Table of Contents

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Abstract of Sabbatical Project

Effective Applications of Study Strategies in Science Education (EASSSE, also known as EAS^{3}E) is a two- semester project in the academic year 2016-2017 utilizing short teaching videos to improve student success in Natural Science courses. In the Fall Semester 2016, nine short animated videos were created to teach students study strategies for content-dense courses, typical of Science classes. In the Spring Semester 2017, seven Biology professors recruited over 200 student volunteers to watch and evaluate these videos. From students' feedback, 99% of those who watched learned new information from these videos. In a survey conducted at the end of Spring Semester, 92% of those who have watched at least one video recommended these videos to other students. Among those who watched, 82% completed the Science class with a C or higher grade at the end of the Spring Semester while only 18% dropped the class or received a D or F grade. Compared to their peers who did not watch, only 49% successfully completed the class while 51% did not successfully complete the class. These statistics and students' comments showed the videos were probably beneficial. By implementing changes that were suggested by students, the amended videos should be even better than the original nine. Currently, these videos are under a Creative Common license and are accessible to all students through https://www.youtube.com/watch?v=3gJA9N9lmMc. May infinitely more students find these videos instrumental in achieving success in their Science classes!

Statement of Purpose

Most Natural Science courses are content-dense because they require the knowledge of an enormous amount of vocabulary and the comprehension of complex cycles. Many students are not successful because they don't have the skills to manage the large volume of information. Biology 50, Science Basic Skills, is a short-term course designed to teach students study strategies in a face-to-face setting to help students succeed. This short course has benefitted many students in the past but has not been offered in recent semesters due to a policy change from the California Community Colleges Chancellor's Office. Because many students have busy lives, technology can deliver lessons on demand and can accommodate their hectic schedules. The primary purpose of this sabbatical project, Effective Applications of Study Strategies in Science Education (EASSSE, also known as EAS^{3}E), is to deliver the same content in Biology 50 through an online video format for continual access by students when needed. Through nine animated videos, approximately 5-10 minutes each, students learn reading, study, memorization, and test-taking skills.

Technology is a powerful tool to provide information, but will students understand the lessons? A second purpose of this project is to assess the effectiveness of the short video format in teaching Basic Skills. Students volunteer to watch and evaluate each video immediately after watching and again at the end of the semester. Students' grades are also reported anonymously by faculty to compare those who have watched with those who have not watched any video. The data show that the ultimate goal of EASSSE, to utilize short teaching videos to improve student success in Natural Science courses, has been achieved in Spring Semester 2017 and most likely, in the future as well.

Body of Sabbatical Report

This is a brief summary of my activities during the academic year 2016-2017.

For more details, please refer to my journal entries starting on page 24.

Fall Semester 2016

Because of my limited knowledge of animation, I began in the first month, August 2016, by learning about the different types of animation and the different animation programs. I consulted professionals in animation, watched dozens of tutorials, and played around with some programs to find the best fit for my needs, abilities, and schedule. From watching these tutorials, I learned which attention techniques and methods to avoid because they failed to hold my attention. After considering the advantages and disadvantages of several 2-D animation programs, I purchased Crazy Talk Animator (CTA) 2 Pro Version by Reallusion (www.reallusion.com/crazytalk-animator/). This powerful program allowed me to be creative and offered many clear and easy to understand tutorials. After several weeks of training by watching multiple tutorials and practicing, I created several short video clips.

In the second month, September 2016, I reviewed the curriculum for Biology 50 and outlined the lesson plans for the nine segments: Video 1 Introduction, Video 2 Prep for the First Day, Video 3 Prep Before Class, Video 4 Getting the Most from Lecture, Video 5 Inputting After Lecture, Video 6 Outputting Before Exam, Video 7 Test-Taking Techniques, Video 8 Post-Test Analysis, and Video 9 Final Wrap-Up. Concurrently, I continued to practice with CTA to become more proficient. I created a short video clip to introduce myself and another clip to explain the purpose of this video series. I wrote the

5

first draft of the storyline for Video 1 and merged the self-introduction and purpose video clips together. This merging of video clips resulted in one long segment that lasted almost a full minute, which was too long! I wanted to limit each video's length to five minutes only. In addition, the transition from one clip to the next clip was too abrupt; I needed more time to smooth it out, to flow better. I realized that with one continuous animation and all the necessary transitions, then the length would be too long and the pace too slow. Surely, students would complain, "It is boring," and not be engaged. Therefore, I explored different options to keep the video moving quickly while clearly teaching all concepts in five minutes or less.

After much thought, I decided the best format to convey key concepts is with PowerPoint slides. The animation feature in PowerPoint would introduce text in motion to grab the viewer's attention. Furthermore, the different transitioning options from one slide to the next would add 'pizzazz' while presenting many ideas in a short amount of time. Inserting short clips of animation into each slide would break the monotony of a still slide. With at least one animation clip per slide, I realized I would need hundreds of short clips. With only a limited amount of time, creating all needed animation clips would be impossible. Thus, I began looking for different websites with premade clips. I found several sites and subscribed to Animation Factory (www.animationfactory.com) at Gold level for access to thousands of premade 2D and 3D animation clips. I could use all images in Animation Factory in a non-commercial, non-business setting.

I ventured in this new direction with PowerPoint, CTA, and Animation Factory. First, I wrote the script for each slide as the subtitle; then added the key words in the body of the slide; and lastly, inserted animated images and premade videos from CTA for

6

Video 1. I was able to complete Video 1 in one week. I timed myself reading through the slides from beginning to end and found that it took less than five minutes! The video flowed quickly and succinctly and covered all key concepts in an entertaining manner! I met my goal!

By tracing the same steps in making Video 1, I completed the remaining videos in the following eight weeks. Videos 5 and 7 both exceeded five minutes and I debated splitting them into two separate parts, i.e. part A and part B, to keep each segment under five minutes. I decided to keep them together as one long video because I was worried students would only watch part A and skip part B if I split them up. Also, some students could be confused with the two parts since previous videos did not have two parts. I knew students would be viewing these videos in the Spring Semester and decided to wait for their comments.

Once I was satisfied with all nine videos, I forwarded them to one of my colleagues, Lynda Hoggan, for her evaluations. While I was waiting for her suggestions, I researched online for different devices and techniques to produce quality voice recordings. I also consulted faculty in the Radio Production Program and Robert Avila, Learning Resource Technician, an expert on audio-visual equipment on campus. I tried different equipment but was not satisfied with the sound quality. Finally, I decided to purchase Evistr voice recorder on Amazon for $50 after reading some strong reviews from past users. Fortunately, after my brief test, the sound quality was very good, definitely good enough for these videos. Once I received the suggestions from my colleague, I incorporated these changes and recorded my voice reading all the slides in the nine videos. This was the fast part; it only took a couple of tries for each video to get

7

a smooth recording. However, the editing portion that followed was much more tedious and time consuming; this took several days per video. I also solicited the help of my technologically savy husband, Peter, who used Adobe Audition program to edit my voice and embedded it into the videos.

In December 2016, I attended a training on Canvas, taught by Michelle Newhart, Instructional Designer in Distance Learning, through Professional and Organization Development. She advised me to create a Canvas course and upload the videos and surveys for students to access anytime. Canvas would record each student's participation and responses during the data collection phase in the Spring Semester 2017. This motivated me to begin training in Canvas immediately so I could launch the Sabbatical Canvas Course in February 2017.

I attended the last Biology Department meeting in December 2016 to update my colleagues about this sabbatical project. I also requested their help in Spring Semester 2017 to recruit students to view and provide feedback. Since I wanted students to view these videos as early as a week before Spring Semester, I told my colleagues to expect further instructions through emails in early February 2017. Multiple faculty members responded favorably and volunteered to help recruit students by offering extra credit as incentives to view these videos in Spring Semester 2017.

While I was researching the devices for recording of voice, I also emailed Barbara McNeice-Stallard, Director of Research & Institutional Effectiveness, to check if I needed approval from the Institutional Review Board (IRB) to collect data from students in the Spring Semester 2017. The initial response from the IRB Coordinator, Elizabeth Bogumil, gave me the impression that no formal application was necessary. However,

toward the end of the semester, I was told that I must submit a formal application to IRB. My data collection would have to be delayed since IRB's next meeting was in March 2017! I panicked and notified Laura Martinez, Executive Assistant to Vice President of Instruction, of the potential delay. I also emailed Barbara McNeice-Stallard again, explaining my situation and she graciously granted me an appointment to discuss this further in January 2017. The other IRB committee members were out on Winter Break.

Winter 2017

In early January 2017, I met with Barbara McNeice-Stallard in her office to discuss my sabbatical project, particularly the research portion, to determine if I needed to submit a formal application to IRB. I explained the purpose and protocol of the research as well as the type of data to be collected. My intention was not to publish the findings or to present at conferences. The results of this project, to assess the effectiveness of the video format for delivery of content, would remain within Mt SAC. She recalled that a similar project had been completed in the past which did not require IRB's approval. Therefore, she gave me permission to proceed, as proposed, with data collection starting February 2017. I did not need to submit a formal application to IRB. A copy of my correspondences with IRB are in Appendix A, light yellow pages.

Also in January 2017, I began my training in Canvas. Through Lynda.com, I watched multiple tutorials to become more proficient in Canvas and practiced by exporting my Anatomy 10A course from Moodleroom to Canvas. I also created the Initial Survey and all Pre- and Post-Video Surveys for the nine videos.

Meanwhile, I showed another colleague, Elizabeta Meyer, my videos and received excellent critiques. I followed her suggestions and incorporated these changes into the videos and recorded a new version of each video. Upon completion of the revisions, I followed Michelle Newhart's advice and uploaded the videos to 3C Media Solution servers.

By early February 2017, I finished my "Sabbatical Course" on Canvas and linked the first four videos along with relevant surveys for students to answer once they self-enroll. Two students in Professor Meyer's course in the Winter 2017 Intersession volunteered to test my "Sabbatical Course" on Canvas. They reported a few minor problems which Michelle Newhart helped me to resolve. This Canvas course was ready for students to enroll!

Research Protocol

The purpose of this research project was to determine if the short video format was effective in teaching Science Basic Skills. "Sabbatical Course" was created on Canvas to allow student access to these nine videos and to complete online surveys to measure the effectiveness of the videos. All students who participated in this study were recruited by faculty members in the Biology Department and were offered extra credit as incentives. Students self-enrolled at https://mtsac.instruction.com/enroll/GAEW8N throughout the Spring Semester 2017. Because this is through Canvas, all participants' identities were known by me and their professors. Because I was not teaching in the Spring Semester 2017, none of them were my students.

After self-enrolling, students first completed the Initial Survey in "Assignment" to answer some background information, give consent to participate in this study, and permit me to monitor their grades. Next, they moved to Module 1 which consisted of Pre-Video 1 Survey, Video 1, and Post-Video 1 Survey. Pre-Video 1 had three short questions to measure their current study habits prior to watching Video 1. Next, students watched Video 1 and then completed the Post-Video 1 Survey, which had three questions to test their understanding of the contents and seven questions to solicit their suggestions for improvements and to determine how they liked Video 1. They must complete the Post-Video 1 Survey before moving onto Module 2 which consisted of Pre-Video 2 Survey, Video 2, and Post-Video 2 Survey. For every video, there was a corresponding module; therefore, there were nine modules for nine videos. Students must watch the videos and complete the relevant surveys in chronological order; they could not skip around because some of the content in previous videos was mentioned in subsequent videos. These concepts were not explained again and were expected to be understood by the students.

At the end of the Spring Semester, the Final Survey, printed on paper, was given to participants by their recruiting professor to follow-up on how many study strategies were utilized by students in this semester. This Final Survey also asked if students thought there was a change in their grades resulting from using these study strategies and if they would recommend the videos to other students. The purpose of the Final Survey was to collect subjective data from the participants' perspectives.

For objective data, grades were reported by faculty members at the end of the Spring Semester. Grades were separated into 2 groups: those who watched at least one

11

video and those who watched none of the videos. Anticipating that some student participants would not consent to my following their grades, the grades were not connected to any names.

For organization purposes, students are sorted by the recruiting professors. To prevent any bias in consideration of critiques among those students who completed the surveys earlier as compared to later, the answers on most surveys, with the exception of the Initial Survey, were examined after the data collection was complete at the end of the semester. During Summer 2017, data were examined and analyzed from all surveys and reported grades. Conclusions were drawn and possible explanations were given for the outcomes about the effectiveness of these videos in teaching Science Basic Skills.

Spring Semester 2017

In the middle of February 2017, a couple of weeks before the semester started, I emailed my colleagues in the Biology Department to secure their cooperation in recruiting students. Eight of my colleagues, Professors Alison Chamberlain, Karyn Kakiba-Russell, Janine Kido, Elizabeth Lawlor, Elizabeta Meyer, Tim Revell, Sherry Schmidt, and Cindy Shannon, agreed to help by offering extra credit. I sent them further instructions to forward to their students.

Professors Chamberlain, Kakiba-Russell, and Kido began recruiting students a week before the semester started. Therefore, by the first day of class, there were 88 students participating in this project; most of them had already seen the first four videos! They could have watched more videos if I had permitted this. I limited the student access to only the first four videos in the first two weeks of school because I did not want the

students to rush through them only for the extra credit. I wanted the students to watch videos 5 through 9 after the semester has started so the information would be fresh, relevant, and immediately applicable. I permitted access to Videos 5-9 at the end of the second week of the semester. In retrospect, this delay was a mistake because there was a significant drop between the number of students (185-205) watching the first four videos compared to the number of students (128-137) watching videos 5-9.

Because students can self-enroll anytime throughout the Spring Semester, most of the time was spent monitoring the student participation through enrollment in the Canvas course and answering their emailed questions, which were mostly about difficulty in accessing the contents. The student enrollment climbed quickly during the first few weeks, reaching almost 150, so I did not need to recruit students on my own through the Natural Science Computer Lab, as proposed. In the middle of the semester, the enrollment number plateaued and then toward the end of the semester, the enrollment picked up again. By the end of the semester, 223 students enrolled, surpassing my goal of 200! The roster of all students enrolled is in Appendix B, green pages.

Summer 2017- Results and Conclusion

The table below shows the professors who recruited students, the courses he/she taught, how many of his/her students enrolled in the Canvas course, and when students started viewing the videos. Although I did not teach during Spring Semester, I recruited 5 former students to participate. Nineteen students did not disclose which professor referred them to this Canvas course, thus "Unknown" is listed in the Professor column.

Professor	Course Taught	Student #	Starting Date
Chamberlain	Anat 35, Anat 36	51	2/20/2017
Kakiba-Russell	Bio 1, Bio 6, Bio 6L	46	2/20/2017
Kido	Bio 1, Bio 20	59	2/20/2017
Meyer	Anat 10A	22	5/15/2017
Nguyen	did not teach	5	2/20/2017
Revell	Bio 1, Bio 20	12	6/1/2017
Shannon	Bio 3	9	5/15/2017
Unknown		19	2/20/2017
Total		223	

Here are the answers to the Initial Survey, given by 194 students:

Initial Survey Results (n = 194)				
Age	18-21yrs 49%	22-30yrs 40%	30+yrs 11%	
Majors	Science 65%	Humanities&Arts 9%	Others 20%	Undeclared 6%
Taken Study Skill Class	High School 19%	College 13%	Both HS & College 12%	Never 55%
Enrolled for	Extra Credits 16%	Knowledge 9%	Both EC & knwldg 75%	
Consent to participate	Yes 100%	No 0%		
Report Grade	Yes 88%	No 12%		

Because only 88% (170/194), gave permission for their professors to report their grades and their identities to me, I could not follow individual students, and therefore, I could not draw any correlation between the number of videos watched and individual's academic performance.

Students completed a pre-video survey before watching each video. Each survey consisted of three true/false questions to prime them for the contents in the upcoming video. Often, the questions were about their current study habits. Students' responses to these questions revealed that more than 50% had poor study habits prior to watching the videos.

At the end of each video, students completed a survey to test their comprehension of the content taught in each video and to offer suggestions for improving the video. The first three questions in each post-video survey assessed student comprehension. The questions varied in levels of difficulty, so 98% of the students answered the easy ones

correctly while far fewer answered the difficult one correctly. Overall, students proved

that they understood the lessons by the high percentages of correct responses. The

percentages of those answering each question correctly in each video are shown in the

next table.

Question	Video 1	Video 2	Video 3	Video 4	Video 5	Video 6	Video 7	Video 8	Video 9
1	93%	79%	93%	93%	66%	76%	60%	95%	75%
2	87%	74%	74%	96%	98%	10%	75%	93%	89%
3	87%	30%	91%	87%	93%	82%	81%	47%	60%

The remaining six questions of each Post-Video Survey collected feedback from

students on ways to improve the video. Here is the summary of the results:

The video is clear and easy to understand.

	Video 1	Video 2	Video 3	Video 4	Video 5	Video 6	Video 7	Video 8	Video 9
Agree	99%	97%	98%	97%	93%	92%	89%	91%	95%
Neutral	1%	2%	2%	3%	6%	7%	10%	7%	5%
Disagree	1%	1%	0%	0%	1%	1%	1%	2%	0%

You learned _____ new information in this video.

	Video 1	Video 2	Video 3	Video 4	Video 5	Video 6	Video 7	Video 8	Video 9
many	24%	47%	49%	34%	45%	40%	41%	37%	44%
some	60%	41%	44%	54%	47%	46%	49%	50%	45%
a little	14%	11%	6%	10%	8%	14%	9%	12%	10%
no	2%	1%	1%	2%	0%	0%	1%	1%	1%

Length of this video is _____.

	Video 1	Video 2	Video 3	Video 4	Video 5	Video 6	Video 7	Video 8	Video 9
short	2%	3%	1%	2%	1%	3%	1%	2%	1%
perfect	91%	93%	87%	89%	56%	83%	67%	92%	91%
long	7%	3%	11%	9%	43%	13%	31%	5%	8%

I will recommend this video to other students.

	Video 1	Video 2	Video 3	Video 4	Video 5	Video 6	Video 7	Video 8	Video 9
Agree	80%	88%	85%	88%	88%	83%	82%	84%	88%
Neutral	18%	12%	14%	12%	10%	16%	18%	16%	13%
Disagree	2%	1%	1%	0%	2%	1%	1%	0%	0%

I will apply or have applied these strategies when studying.

	Video 1	Video 2	Video 3	Video 4	Video 5	Video 6	Video 7	Video 8	Video 9
Agree	89%	93%	91%	94%	94%	94%	91%	82%	91%
Neutral	10%	5%	6%	5%	5%	5%	8%	16%	9%
Disagree	1%	2%	3%	1%	1%	1%	1%	2%	0%

In general, at least 89% of students found all nine videos clear and easy to understand; 98%-100% of them learned at least one new technique. Most of them responded that the five-minute length was perfect; Videos 5 and 7 were too long because they exceeded five minutes. Over 80% would recommend these videos to others. At least 82% of them planned to or have already applied these strategies when studying. Given that almost half of them had already taken a study skill class either in high school, college, or both, I am pleased that almost all of them learned something new and planned on using these techniques! All online surveys and their results are in Appendix C, buff pages.

As expected, the open-ended questions about what each person liked or disliked about each video returned a variety of responses. The majority felt the videos were fine, no change needed. Recurring suggestions about decreasing the length of Videos 5 and 7 were acted upon. Video 5 has been divided into two parts: Videos 5a and 5b. Likewise, Video 7 was also split; now, there are Videos 7a and 7b.

In addition to the online surveys on Canvas, students were also asked to complete a follow-up survey, Final Survey, at the end of the semester to measure how many

16

techniques they had used and to determine if the participant felt his/her grade had changed because of these strategies. Because some students had dropped and others did not return the surveys, only 139 students completed the Final Survey. Over 80% of the students watched the videos only once. When asked how many techniques were used in Spring Semester, 40% used one to three strategies, 41% used four to six strategies, 14% use seven to eight techniques, and 4% used nine or more techniques taught in the videos. The table below shows their responses to how helpful were the videos, have their grades improved, and would they recommend this series to others:

Videos helpful		%	Grades improved		%	Recommend		%
Strong Agree	25	18%	Strong Agree	13	9%	Strong Agree	58	46%
Agree	84	60%	Agree	75	54%	Agree	59	46%
Neutral	28	20%	Neutral	45	33%	Neutral	9	7%
Disagree	2	1%	Disagree	5	4%	Disagree	1	1%
Strong Disagree	0	0%	Strong Disagree	0	0%	Strong Disagree	0	0%
Total	139	100%	Total	138	100%	Total	127	100%

At the end of the semester, 92% would recommend these videos to others while earlier in the semester, the range was less, 80%-88%. Unfortunately, only 63% felt their grades improved with these videos. The few who did not believe these videos were helpful or that their grades improved because of these videos explained they already knew and were practicing these techniques. Their explanations confirmed that these lessons are helpful, regardless of when the students learned them. Copies of Final Surveys are in Appendix D, blue pages.

At the end of Spring Semester, Professors Chamberlain, Kakiba-Russell, and Kido reported the grades of all their students in two groups: those who watched at least

one video and those who did not watch. Remember, students from these three professors had the opportunity to start watching one week before the semester started. The next table compares these two groups by success, defined as passing the class with an A, B, or C grade. Grades from other professors were not included because the opportunity for their students to watch came later in the semester, when some had already dropped. Therefore, including the grades of these students who watched later would not be a fair comparison. All grades for Spring Semester is in Appendix E, pink pages.

A, B, C Grades	Watched	%	Not	%	D, F, Drop	Watched	%	Not	%
Chamberlain	24		3		Chamberlain	2		7	
Chamberlain	23		6		Chamberlain	2		0	
KaKiba-Russell	21		21		KaKiba-Russell	8		33	
KaKiba-Russell	1		12		KaKiba-Russell	1		11	
KaKiba-Russell	5		14		KaKiba-Russell	2		10	
Kido	18		6		Kido	2		7	
Kido	26		15		Kido	9		13	
	118	82	77	49		26	18	81	51

Collectively, of those who watched at least one video, 82% successfully passed the class while only 18% dropped or received a D or F grade. Compared to their peers who did not watch, only 49% were successful in completing the class while 51% were unsuccessful! Excel program calculated the p-value to be much less than 0.05 so the difference between these two groups is statistically significant! Unfortunately, the reasons why students drop or fail a class were not measured so I cannot say that they were related to poor study skills. Given the large difference between 18% and 51%, I wonder how many of those in the 51% would have achieved success had they watched some of the videos?

Since each professor taught different courses, let us examine the grades of each class separately, as reported by the professors.

Professor Chamberlain: **Anatomy 35**   **Anatomy 36**

Grade	Watched	%	Not watched	%	Watched	%	Not watched	%
A	13	50	2	20	13	52	2	33.3
B	6	23.1	1	10	5	20	3	50
C	5	19.2	0	0	5	20	1	16.7
D	1	3.85	0	0	1	4	0	0
F	0	0	0	0	0	0	0	0
Dropped	1	3.85	7	70	1	4	0	0
Total	26	100	10	100	25	100	6	100

Professor Chamberlain also noticed there were many more A's and B's this semester than in previous semesters when she taught Anatomy 35 and 36. She compared this semester alone with the most recent four semesters, including this Spring Semester 2017, in the pie graphs in Appendix E, pink pages.

Prof Kakiba-Russell: Biology 6   Biology 6L   Biology 1

Grde	Watch	%	Not	%	Watch	%	Not	%	Watch	%	Not	%
A	3	10.3	3	5.56	0	0	4	17.4	2	28.6	3	12.5
B	5	17.2	8	14.8	0	0	6	26.1	0	0	3	12.5
C	13	44.8	10	18.5	1	50	2	8.7	3	42.9	8	33.3
D	4	13.8	9	16.7	0	0	1	4.35	2	28.6	3	12.5
F	0	0	0	0	1	50	0	0	0	0	0	0
Drp	4	13.8	24	44.4	0	0	10	43.5	0	0	7	29.2
Totl	29	100	54	100	2	100	23	100	7	100	24	100

Professor Kido: **Biology 20**   **Biology 1**

Grade	Watched	%	Not watched	%	Watched	%	Not watched	%
A	9	45	1	7.69	9	25.7	3	10.7
B	5	25	2	15.4	6	17.1	5	17.9
C	4	20	3	23.1	11	31.4	7	25
D	1	5	3	23.1	3	8.57	2	7.14
F	0	0	3	23.1	6	17.1	7	25
Drp	1	5	1	7.69	0	0	4	14.3
Total	20	95	13	92.3	35	100	28	85.7

All of Professor Kido's students participated before the fourth week when they had the first exam. She commented that her Biology 1 students were unusually apathetic and many stopped attending class but did not drop, resulting in many F grades.

Professor Revell's students began watching the videos in May 2017, when some students had already dropped but did not know about the videos, so these grades were not included in the previous comparison of success. Surprisingly, the same trend was seen; those who watched the videos had a higher success rate than those who did not watch. Students who dropped were not included in this comparison.

Professor Revell: **Biology 1**   **Biology 2**

Grade	Watched	%	Not watched	%	Watched	%	Not watched	%
A	1	100	2	6.67	3	42.9	11	22.4
B	0	0	7	23.3	3	42.9	13	26.5
C	0	0	6	20	1	14.3	5	10.2
D	0	0	5	16.7	0	0	3	6.12
F	0	0	10	33.3	0	0	17	34.7
Total	1	100	30	100	7	100	49	100

There are two more professors who have not reported grades adequately for me to do a comparison. In addition, because of the summer break, communication is limited. Thus, I do not have any grades for Anatomy 10A or Biology 3.

Following the positive feedback from students and supportive data of academic success from faculty, I have refrained from making major changes to the videos; there are only minor modifications. Now, there are eleven videos total because both Videos 5 and 7 have two parts, 5a and 5b as well as 7a and 7b.. These videos are currently on YouTube https://www.youtube.com/watch?v=3gJA9N9lmMc with a Creative Common license to make them an open educational resource (OER).

Summary Statement of Value for Students

As stated in the name EASSSE, the primary goal of this sabbatical project has been to improve student success in the Sciences. The evaluations from students and the grades reported from faculty in the Spring Semester 2017 have indicated success! Although almost half of the students have already taken a study skill class, I am thrilled that 99% of them have learned something new from the videos. The short online video format permits students to watch at their convenience, pausing to rewind as many times as needed, especially useful for those students who are not fluent in English. In addition, students with learning disabilities have been accommodated with subtitles. Although over 80% reported watching each video only once during the Spring Semester, I printed the roster in late July and noticed that many students had revisited this Canvas course after the Spring Semester had ended, probably to view the videos again. Now that the videos are on YouTube, students can share them with their friends and siblings so even more students can benefit. I hope these videos will be available online for many years to come and will help countless students in the future to succeed.

Equipped with good study strategies, students will hopefully understand, appreciate, and enjoy Science as much as I have. As more students successfully complete their Science courses, their degree completion rate and graduation rate should also increase. With a dire need to encourage more students in Science, Technology, Engineering, and Mathematics (STEM), I hope these videos will lead more students to major and pursue careers in Science disciplines.

Summary Statement of Value for Campus

Student success is also success for Mt. San Antonio College. Starting in the classroom, faculty will be the first to share in this joy as we witness them passing their exams and mastering challenging topics. The higher passing rate will surely raise faculty's morale and renew our motivation to teach. Counselors and tutors on campus can easily refer students who are struggling academically to these online videos. I have emailed Audrey Yamagata-Noji, Vice President of Student Services, and Meghan Chen, Dean of Library and Learning Resources, and Matt Judd, Dean of Natural Sciences, with the link to these videos for them to share with their staff and students.

Over time, this should benefit Mt SAC financially because more students are successfully completing their classes. If students are able to succeed on their own, then less money is needed for tutoring. Further savings are possible because the video format will provide a new option for students; it will complement the face-to-face instruction. Thus, in the future, Mt SAC can offer fewer sections of Biology 50 through Continuing Education for those students who prefer the in-person contact. Dean of the School of Continuing Education, Madelyn Arballo has shared some positive data from Spring 2016, the last time Biology 50 was taught, in Appendix F, goldenrod pages.

Summary Statement of Value for Myself

By far, the person who has benefited most from this sabbatical is myself. I knew that the in-class, face-to-face format worked well to deliver Science content but was not sure if the short video would be adequate. The long hours of making and editing these videos have paid off when I read all the wonderful comments from students. Many of them really enjoyed watching and, best of all, learning from them! Their academic success has certainly renewed my motivation in teaching and reminded me why I am teaching at a community college and not a university. It is extremely rewarding and shocking to know that I played a role in helping students succeed, although none of them are in my physical class!

I have learned more technology this year than I have in the last several years combined. I am more familiar now with the world of animation, especially Crazy Talk Animator 2 (CTA 2), a powerful program to make animation, complete with sounds and excitement. I understand more about the subtleties of what makes a good animation, for example, the five minute time limit, and look forward to making more short videos.

Through this sabbatical project, I have become more proficient at PowerPoint and Canvas. I am incorporating more animations in my PowerPoint slides in Anatomy classes this semester to make them more exciting and to help student focus on key concepts. My familiarity with Canvas soon will assist me in class. This year has been one enormous professional development opportunity for me. I return to teaching refreshed and renewed. Thank you all for granting me this sabbatical year!

Journal   August 29 – Sept 2, 2016   Learned general info on animation

5 types of animation (http://bloopanimation.com)
1) Traditional animation, drawings by hand one frame at a time
2) 2D animation, vector-based animation, very popular using Flash (**what I need**)
3) 3D animation, also known as computer animation, entire body is seen at all time
4) Motion graphics, no story or characters, all texts or logos moving
5) Stop motion, use real life material (clay, Lego blocks, etc.) moving with traditional characters

Recommended Animation Programs (http://bloopanimation.com)
Autodesk: Maya, Softimage, 3D MAX for film, industry standards
Cinema 4D used w/ After Effects for motion graphics
Blender: free, open source, 3D software
Flash for 2D animation, very popular
After Effects for 2D animation, editing software
Photoshop for traditional animation
TV Paint 2D, more robust, complex, and $ than Photoshop
Toon Boom with different packages

Programs for Beginners (Eoin Reardon channel on YouTube)
Pivot Animator: 2D, stick figure, moving body parts
Pencil 2D: must have drawing skill

Open Source/Free 2D Animation Programs (TJ FREE channel on YouTube)
Inkscape for shapes, art, can be exported
Pencil for free hand drawing, ok for basic drawings
Tupi is Linux program, more advance than Pencil
Scratch made using program language, cannot export
Synfig most complex of the 5, vector-based, have some characters

Googled "Animation Software" and found many more to try, such as
Anime Studio, Crazy Talk Animation, Micro Anime Studio, Storyboard Quick

Consulted others on the different 2D programs to try

Watched "Understanding Creative Commons" (TJ Free channel on YouTube)
Attribution License, most common, future users must attribute original author/artist
Non-commercial, no selling in future if using it
No Derivative, can use but cannot modify it
Share Alike, can use the work and add on but must share it under a similar CC license

Journal   Sept 6 – Sept 9, 2016   Evaluated different 2D animation programs

Name of Program	Likes (+)	Dislikes (-)
Pencil	Free Easy to use	I can't draw Very limiting
Synfig	Free Can be very creative	High learning curve Must start from scratch No templates Boring $ tutorials
Powtoon (Free Version)	Free Easy to use w/ premade templates	Very limited choices Can't change template Templates not relevant Watermark logo stays
Powtoon (Paid Version)	$19-$59/month More templates than free version Still relatively easy to use Royalty Free Watermark removed	Recurring cost Can't change template Templates irrelevant Low creativity freedom Only 6 video tutorials
Crazy Talk Animator2 (Free Version)	Free Can create 2D characters Royalty Free	Very limited choices High learning curve
Crazy Talk Animator2 (Pro Version)	$179 one-time fee Can create 2D & 3D characters 100+ props, backgrounds, styles 30+ tutorials by different users Can add on more options in future Company developing new products High creativity freedom Royalty Free Many samples of different styles by different users	Expensive up front cost High learning curve Very complicated
Adobe Animate CC (Flash)	Professional and powerful Creativity unlimited Few/no template High details oriented	Extremely technical High learning curve Time consuming

Crazy Talk Animator 2 (CTA) Pro Version by Reallusion (https://www.reallusion.com/crazytalk-animator/) is the best for me because it has some templates to start and lots of flexibility to change characters, props, scenes, etc. Tutorials are made by different users with different styles so they are not boring.

Purchased CTA

Journal   Sept 12 – Sept 16, 2016   Began training in CTA 2

Watched some of the 45 CrazyTalk Animator (CTA) 2 tutorials by Reallusion at least once:

1) Getting Started with CTA 2
2) Intro to Character Types
3) Intro to Character Animation
4) Intro to Character Composer
5) Creating Re-Usable Perform Motions
6) 3D Performance with the Runtime Composer
7) Basic Character Body Creation
8) Basic Character Head Creation
9) Face-Audio Lip-Sync
10) Face-Basic Facial Puppeteering
11) Camera & 3D Viewer
12) 2D Body Motion Puppeteering
13) Basic Timeline Editing
14) Intro to Stage & SFX
15) Character Composer
16) Intro to Render Style
17) 2D Motion Key Editor
18) Motion Clip Blending
19) Create Animated Effects in PowerPoint/Keynote
20) Customize Animation Templates for PowerPoint/Keynote
21) 3 Minute Custom Animated Bullet Points for PowerPoint

First, only viewed tutorial with full attention

Second, watched on one screen while actively using CTA 2 to follow on a second screen

Third, tried to create short, less than one minute, video clips
     Very slow process
     Steep learning curve
     Grateful there are some premade templates
     Explored lots of characters, props, backgrounds, and rendering styles

Journal   Sept 19 – Sept 23, 2016   Organized lessons and practiced CTA

Video 1: Intro & Overview
    Introduce myself
    Purpose of these videos
    Brain-based learning
    Brain rule: attention
    Brain rule: multitasking
    Brain rule: neuroplasticity

Video 2: Before Day1
    Select class day, time, & prof
    Ideal schedule
    Recommendations of others
    Evaluate text and supplies
    Brain rule: overwhelming
    Reading in layers

Video 3: Before Lecture
    Goal of previewing lecture
    Focus learning
    Diffuse learning
    Study schedule
    Break activities
    Brain rule: when to take a break

Video 4: During Lecture
    Goal of lecture
    Where & with whom to sit
    Eating & drinking
    What to do
    Benefits of office hours
    Brain rule: multitasking

Video 5: After Lecture
    Inputting techniques
    Association: verbal & visual
    Chunking: acronyms & acrostics
    Creative flashcards
    Story/Link
    Brain rule: how brain remembers
    Brain rule: sleep and memory

Video 6: Before Exam
    Outputting techniques
    Flashcards
    Teaching others
    Labeling
    Brainstorming
    Mind mapping
    Brain rule: practice = perfect

Video7: During Exam
    Keep calm, ways to reduce stress
    Avoid last-minute crammers
    Take test in layers
    Advice on multiple-choice questions
    Advice on true/false questions
    Advice on short-answer questions
    Advice on practicum

Video 8: After Exam
    Post-test analysis
    Right vs. wrong/guess
    Types of errors
    Watch for patterns
    Repeat techniques if right
    Diff techniques if wrong
    Brain rule: procrastination

Video 9: After Class and Beyond, General Advice for Life
    Lifelong learning
    Appreciation
    Sharing what you have
    Maintaining good health
    Working hard and be patient

CTA 2: becoming more comfortable with program

Journal   Sept 26 – Sept 30, 2016   Created 1st draft of text and art for Video 1

Wrote first draft of story line for video 1

Finished short video clip to introduce myself (24 sec)

Finished short video clip to explain purpose of these videos (26 sec)

Both clips merged together took almost 1 minute! Too long!!! The transition is too abrupt, did not flow well. I have less than 4 minutes left to do the rest if I want to keep this video to less than 5 minutes. I tried to cut down on the videos to make them shorter and to make them more action packed to hold students' attention.

I explored possible solutions to keep it animated but under 5 minutes. Viable options:

1) No continuous animation, for explanation to make sense, it is too long and slow
2) Use PowerPoint or Prezi to save time
3) Insert short clips of action to hold attention

Decided to combine all three above points by using PowerPoint slide format and animation feature already available in PowerPoint

Decided against Prezi because I prefer the linear layout of PowerPoint

Decided the plain white background was least distracting while emphasizing the animation clips best

Edited the 2 video clips of intro and purpose to be shorter and insert into PowerPoint

Inserted the text of story line into slide format (closed captioning done)

Timed myself reading out loud all slides

Edited slides to have better flow and to make it easier to read

Looked for websites with animated clip arts that I can insert into slides and found several

Subscribed to Animation Factory, Gold level http://www.animationfactory.com/en/

Added relevant animated arts to slides

Showed draft of video 1 to a friend, Lynda Hoggan, for inputs and editing

Journal   Oct 3 – Nov 25, 2016   Made first drafts of text & art for Videos 2-9

Used the steps in making video 1 to make the remaining videos, one video per week:

Oct 3 – Oct 7, 2016	video 2
Oct 10 – Oct 14, 2016	video 3
Oct 17 – Oct 21, 2016	video 4
Oct 24 – Oct 28, 2016	video 5
Oct 31 – Nov 4, 2016	video 6
Nov 7 – Nov 11, 2016	video 7
Nov 14 – Nov 18, 2016	video 8
Nov 21 – Nov 25, 2016	video 9

Sent drafts to Lynda Hoggan for inputs and editing

Videos 5 and 7 exceeded 5 min, maybe too long

Decided to keep contents together as one rather than splitting them up to shorter segments to decrease confusion and to encourage students to watch all the contents and skip nothing

Journal   Nov 28 – Dec 2, 2016   Explored sound options, waited for IRB

Consulted with the Radio Production Program/Department for advice on good quality recording of sound for videos

Borrowed double microphones from Robert Avila to test recording, still had background noises

Searched Internet for more recording sound options

Purchased Evistr voice recorder for $50 from Amazon to test recording because of strong reviews from other past users, found good quality

Sent email to Barbara McNeice Stallard for IRB permission, who then forwarded to Elizabeth Bogumil, IRB Coordinator

Preliminary questions from Elizabeth gave Initial impression that no formal IRB application was needed

Journal   **Dec 5 – Dec 9, 2016**   Recorded sound & created Canvas course

Recorded voice reading text for all 9 videos using Evistr

Attended training in Canvas, consulted Michele Newhart to establish Canvas course to collect data from students before and after watching videos

For Canvas course, designed:

1) Home page
2) Initial surveys of 8 questions for demographic info and consent to releasing grades
3) Pre-video surveys of 3 questions per video
4) Post-video surveys of 10 questions per video (3 questions to test understanding, 7 questions for evaluation)

Students self-enrolled using a link provided by Michele Newhart

Attended the last Biology Department meeting to request assistance from colleagues to recruit students to watch videos even before Spring Semester starts, to help students start on the right foot; more instructions would follow by email in early February 2017

Biology faculty members were very supportive by volunteering to offer extra credits to students to participate in this project

Journal   **Dec 12 – Dec 16, 2016**   Edited sound and embedded in videos

Used Adobe Audition program to listen to recordings, deleted extraneous sounds, saved files, and embedded into videos to synchronize with slides (received technical help from Peter Nguyen, husband)

Process took 3 times longer than expected due to amateur error in under estimating time

All 9 videos are ready to be viewed!

Followed-up with Elizabeth Bogumil, IRB chair, and discovered there may be a delay in project because I have to submit formal application and IRB first meeting is in March 2017

Could NOT collect any data without IRB's approval- PANIC!!!

Notified Laura Martinez, Instruction Office, of potential delay in project

Contacted Barbara McNeice-Stallard for assistance and appointment to meet in Jan 2017

Journal   Dec 19, 2016 – Jan 6, 2017   Vacation

Journal   Jan 9 - 13, 2017   Amended videos and met with Barbara McNeice-Stallard

Showed all 9 videos to another colleague, Beta Meyer, and she gave some good suggestions

Changed some of the wordings on all videos, recorded the changes, embedded the new recordings into the video

Met with Barbara McNeice-Stallard and her secretary and discussed the project's purpose was NOT for research/publication

Barbara decided a formal application for IRB approval was NOT necessary, based on precedent set in past, and documented this in a letter

Journal   Jan 16 - 20, 2017   Trained in Canvas

Watched multiple tutorials on Canvas from Lynda.com

Exported Anatomy 10A course contents from Moodleroom to Canvas

Created initial survey to gather demographic info and to acquire student's consent

Created pre-video surveys, one for each video, to assess students' current study habits

Created post-video surveys, one for each video, to assess students' understanding of video and to solicit their feedbacks

Journal   Jan 23 – Feb 4, 2017   Vacation

Journal   Feb 6 – Feb 10, 2017   Tested Canvas course & notified colleagues

Uploaded the videos onto 3C Media Solution server and added link to videos on Canvas course, as recommended by Michelle Newhart

Uploaded the first 4 videos, initial survey, pre- and post-video surveys for the first 4 videos onto Canvas course

Recruited 2 students to test the Canvas course web page by clicking on https://mtsac.instruction.com/enroll/GAEW8N

Students were not able to access the surveys

Consulted Michele for technical assistance, problem resolved

Required students to watch and answer surveys in chronological order

E-mailed colleagues instructions to send students to watch videos and give feedbacks

Journal   Feb 20 – Feb 24, 2017   Started recruiting students

Professors Alison Chamberlain, Karyn Kakiba-Russell, Janine Kido, Betsy Lawlor, Beta Meyer, Tim Revell, Sherry Schmidt and Cindy Shannon volunteered to give their students extra credits for watching videos and giving feedbacks.

Only the first 4 videos and relevant surveys were available on Canvas in the first 2 weeks of the semester. I don't want students to rush through these videos just for the extra credits.

Journal   Feb 27 – Mar 3, 2017   Monitored Canvas course & students enrolled

88 students had enrolled by the first day of semester

Many had already seen all 4 videos and completed surveys by the first day of Spring semester

Monitored student enrollment and sorted them by professor

Answered e-mails and sent e-mails to remind students who complete initial survey

Journal   Mar 6 – Mar 10, 2017   Uploaded more videos and monitored

Uploaded videos 5-9 and relevant surveys at the end of the second week

Although the criteria to advance and access the next video was only possible after completing the post-video survey for the last video, some students still skipped videos – possible glitch in Canvas

148 students enrolled, only 52 more to meet goal of 200

With 8 professors agreeing to give extra credits, it was probable that goal would be met without having to recruit students using other means, e.g. from Natural Science Computer Lab

Continued to monitor course, enrollment, and e-mails

Journal   Mar 13 – Mar 17, 2017   Monitored course and students' participation

162 students enrolled, only 38 more to meet goal of 200

Ran grade report for Professor Kido's students because the deadline for her students was the end of 3rd week

Continued to monitor course, enrollment, and e-mails

Journal   Mar 20 – May 26, 2017   Monitored students, added new survey

202 students enrolled

Continued to monitor course, enrollment, and e-mails

Created the final survey to follow-up with students' academic performance

Printed hard copies of final survey and distributed to faculty; also e-mailed electronic copy

Began writing report

Journal   May 29 – Jun 16, 2017   Collected final surveys & grades, edited videos

223 students enrolled

Collected final surveys from Professors Chamberlain, Kakiba-Russell, and Shannon

Collected final grades from Professors Chamberlain and Shannon

Began recording data from post-video surveys

Divided video 5 and video 7 into 2 parts because many students complained they were too long

Changed the wordings, made a new recording of changes and embedded them into videos 5 & 7

Journal   Jun 19 – Jun 30, 2017   Collected final surveys & grades, recorded data

Collected final surveys from Professor Meyer

Collected final grades from Professors Kakiba-Russell and Kido

Requested final grades from Professor Meyer

Requested final grades and surveys from Professor Revell

Began recording and analyzing data from final survey and grades

Journal   Jul 3 – Jul 7, 2017   Vacation

Journal   Jul 10 – Jul 14, 2017   Summarized findings

Created tables to summarize data from Canvas surveys, especially comments regarding likes & dislikes on Post-Video Surveys

Created tables to summarize data from faculty report of grades

Created tables to compare the grades of those who watched vs. not watched

Journal   Jul 17 – Jul 21, 2017   Wrote outline of report

Wrote tentative outline of report based on requirements from Salary & Leave Committee

Journal   Jul 24 – Jul 28, 2017   Wrote first draft of report

Wrote first draft of entire report, from abstract to statement of value

Created more tables to clearly explain results and comparisons

Inserted tables into body of report

Tentatively organized appendices

Journal   Jul 31 – Aug 4, 2017   Edited first draft

Looked again and edited first draft

Requested a friend to edit report

Made copies of documents in appendices

Uploaded amended videos on YouTube.com/ProfessorLoni w/ Creative Common license
https://www.youtube.com/watch?v=3gJA9N9lmMc

Journal   Aug 7 – Aug 11, 2017   Advertising videos & more editing

Deactivated Canvas course and emailed all students of that course about new location of videos

Emailed members of committee for feedback of report

Emailed Mt SAC staff (Audrey, Meghan, Matt) about videos

Edited, printed, and assembled report for submission

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Appendix A

| **From:** | Laura Martinez/InstructionOffice/MtSAC |
| **To:** | Kim Nguyen/Biology/NaturalSciencesDiv/MtSAC@mtsac |

| **Date:** | Tuesday, December 20, 2016 07:32AM |
| **Subject:** | Re: URGENT: IRB application on Sabbatical Project |

History: ✦ This message has been replied to.

Hi Loni,

I've forwarded your message to the Committee. I will let you know what they say.

Laura

Sent from my iPhone

On Dec 20, 2016, at 1:32 AM, Barbara McNeice-Stallard <BMcNeice-Stallard@mtsac.edu> wrote:

> Hi Kim,
> Let us meet first week of January to discuss it further. I think we can work through it so you can start in Spring with little to no changes in your protocol.
>
> This is the first time the IRB has been presented with an IRB question related to Salary and Leaves. We are learning as we go. (Joshua please add to our March agenda item to discuss process for streamlining our work on these requests in future).
>
> I copied Joshua Briones. Please connect with him to make an appointment. He is in office today only then off until Jan 3rd. I am out of country and as such my calendar is on local time.
>
> Thank you. Barbara
>
> Sent from IBM Verse
>
> Kim Nguyen --- Fw: URGENT: IRB application on Sabbatical Project ---
>
> | From: | "Kim Nguyen" <KNguyen@MtSAC.edu> |
> | To: | "Laura Martinez" <LMartinez@mtsac.edu> |
> | Cc: | "IRB" <irb@mtsac.edu>, "Barbara McNeice-Stallard" <BMcNeice-Stallard@mtsac.edu> |
> | Date: | Tue, Dec 20, 2016 6:45 AM |
> | Subject: | Fw: URGENT: IRB application on Sabbatical Project |
>
> Hi Laura,
>
> I am writing to inform the Salary and Leave Committee that I may have to delay the data collection portion of my project, which I proposed starting in the beginning of Spring 2017 Semester, because I was not aware that IRB does not meet during Jan or Feb. My first email to Barbara McNeice-Stallard was on Dec 1 (see way below) and she has referred me to Elizabeth Bogumil, IRB Coordinator, who has been vague (see below) as to what exactly I need to do. Thus, to date, I still don't know the specific requirements for the IRB application. Because of the holidays, I don't think I will get an answer until Jan. at the earliest. Currently, I am not sure what kind of data, if any, I can collect without IRB's approval. Since the next IRB meeting is the first Fri in Mar, which is after the Spring semester has started, it may not be possible for me to stay on the timeline that I originally proposed. I will keep you posted once I hear from IRB.
>
> Kim Nguyen
> Biology
>
> -----Forwarded by Kim Nguyen/Biology/NaturalSciencesDiv/MtSAC on 12/19/2016 10:23PM -----
> | To: Barbara McNeice-Stallard/Research/InstructionOffice/MtSAC@MtSAC
> | From: Kim Nguyen/Biology/NaturalSciencesDiv/MtSAC
> | Date: 12/19/2016 10:21PM
> | Cc: IRB/MtSAC@MtSAC
> | Subject: URGENT: IRB application on Sabbatical Project
>
> Hi Barbara,
>
> I am emailing you because I have not heard from Elizabeth since last week, perhaps she has left for the winter break? According to her message below, I will need to get IRB approval and the next meeting is the first Fri in March 2017. I hope to start working on this application during the next few weeks and need some instructions. Is there a website that has specific guidelines for the IRB application, what to include, format, etc?
>
> In my sabbatical proposal, I stated that students will have access to the videos in the beginning of Spring 2017 Semester. If possible, I want to keep this timeline. I understand that I will need IRB approval because I proposed following the students'

background on my project.

Kim   To IRB/MtSAC@MtSAC
Nguyen/Biology/NaturalSciencesDiv/MtSAC

                                                 cc Barbara McNeice-
12/02/2016 11:07 AM   Stallard/Research/InstructionOffice/MtSAC@MtSAC

                                                 Subject Re: Sabbatical Project

Hi Elizabeth,

Thanks for your prompt response! Let me give you a little background on my project. Years ago, I taught Biology 50,
Science Basic Skills, a short-term face-to-face class to teach students how to study for Science classes. I received
positive evaluations from students who took this class and thus, want to continue offering it. In the last few years, I was
no longer able to teach this course because a new change was implemented, no stand alone course that does not meet
GE requirements. So, I proposed this sabbatical project because I want to deliver at least some of the contents of Bio 50
to students through videos since I can no longer teach Bio 50. Since these videos are short, I am only presenting the
highlights of Bio 50, the class offers more. The collection of student data from the videos is for me to compare if these
videos are as helpful, as effective, as the face-to-face class. If the students tell me that these videos are NOT helpful,
then I will need to try to offer Bio 50 as a face-to-face class through the non-credit side. FYI, I taught Bio 50 through
the non-credit side for the first time last spring. If the students tell me that these videos are helpful and I have their
grades to support that they are passing, then there is no need to offer Bio 50 as a face-to-face class.

So, I apologize for the long explanation but I think it is important you know where I am coming from. Eventually, I do
want to make these videos open source because I want all students, not just Mt SAC students, to get access. Now that I
know about IRB and sharing of data, I will keep the research portion within the Mt SAC community and will NOT publish
the findings. Unlike sabbaticals at 4-yr institutions, research and publication for my CV were never my primary purpose
of this project. The delivery of Bio 50 contents to help students succeed in Science has always been the main purpose of
my sabbatical project. Teaching and improving student success are the reasons why I am at a community college and
not a 4-yr institution.

Please let me know if you have any further question. Also, let me know if there is anything else I need to do before
Spring Semester 2017 when I need to start the data collection phase.

Thanks,
Kim Nguyen

-----IRB/MtSAC wrote: -----
To: Kim Nguyen/Biology/NaturalSciencesDiv/MtSAC@MtSAC
From: Institutional Review Board
Sent by: IRB/MtSAC
Date: 12/02/2016 07:24AM
Subject: Re: Sabbatical Project

Hello Kim,

Your sabbatical project sounds fascinating.

Although the project does involved videos, it is still considered research since you will be tracking student's grades and
giving them an assessment (even if it is of the videos you used).

At CSUs, UCs, and other 4 year institutions, the purpose of a sabbatical is for a professor to take leave and engage in
research for the purpose of developing their C.V. As one of the core responsibilities of doing research is sharing and
disseminating the data to the public and/or academics with shared interests, I must ask what are your intents on sharing
or distributing this research?

If you have an intent to present it at conferences, to the public, publish, or share it with any persons or academics
outside of your Mt. SAC department, you will need IRB approval.

Elizabeth

IRB Coordinator
Mt. SAC

Barbara McNeice-Stallard---12/01/2016 10:31:07 PM---Hi Elizabeth and Joshua, Would you please connect with Kim
regarding her Mt. SAC Sabbatical project

                                                 To
Barbara McNeice-   Kim
Stallard/Research/InstructionOffice/MtSAC   Nguyen/Biology/NaturalSciencesDiv/MtSAC@MtSAC
                                                 cc
12/01/2016 10:31 PM   IRB/MtSAC@MtSAC, Misty
                                                 Kolchakian/Psychology/HumanitiesDiv/MtSAC@MtSAC,
                                                 Joshua
                                                 Briones/Research/InstructionOffice/MtSAC@MtSAC

From:	Barbara McNeice-Stallard/Research/InstructionOffice/MtSAC
To:	Kim Nguyen/Biology/NaturalSciencesDiv/MtSAC@mtsac
Cc:	IRB/MtSAC@mtsac, jbriones@mtsac.edu, Melissa Alvarez-Mejorado/Research/InstructionOffice/MtSAC@mtsac

Date:	Wednesday, February 15, 2017 07:18AM
Subject:	Re: URGENT: IRB application on Sabbatical Project

History: ✦ This message has been replied to.

I believe the second paragragh of my emailed below is what you need. You are cleared to do your work. B

Sent from IBM Verse

Kim Nguyen --- Re: URGENT: IRB application on Sabbatical Project ---

From:	"Kim Nguyen" <KNguyen@MtSAC.edu>
To:	"Barbara McNeice-Stallard" <BMcNeice-Stallard@mtsac.edu>
Cc:	"IRB" <irb@mtsac.edu>, jbriones@mtsac.edu, "Melissa Alvarez-Mejorado" <malvarezmejorado@mtsac.edu>
Date:	Tue, Feb 14, 2017 10:15 PM
Subject:	Re: URGENT: IRB application on Sabbatical Project

Barbara,

Perhaps the email got lost somewhere? Please resend. Thanks.

Kim

-----Barbara McNeice-Stallard/Research/InstructionOffice/MtSAC wrote: -----
To: Kim Nguyen/Biology/NaturalSciencesDiv/MtSAC@MtSAC
From: Barbara McNeice-Stallard/Research/InstructionOffice/MtSAC
Date: 02/14/2017 04:14PM
Cc: IRB/MtSAC@MtSAC, jbriones@mtsac.edu, Melissa Alvarez-Mejorado/Research/InstructionOffice/MtSAC@MtSAC
Subject: Re: URGENT: IRB application on Sabbatical Project

Hi Kim,
I could have sworn that we sent it to you! I am so sorry.

Yes, you are free to conduct your research without IRB review as it is part of your normal processes for being a faculty member at the College. I wish you well! Barbara.

Barbara McNeice-Stallard, M.Sc.
Director, Research & Institutional Effectiveness
Mt. San Antonio College
Tel: 909-274-4109
research@mtsac.edu

▽ Kim Nguyen---02/14/2017 03:23:05 PM---Hi Barbara, It's been about a month since we met and I have not received the letter from you or Josh

From: Kim Nguyen/Biology/NaturalSciencesDiv/MtSAC
To: Barbara McNeice-Stallard/Research/InstructionOffice/MtSAC@MtSAC
Cc: IRB/MtSAC@MtSAC, jbriones@mtsac.edu
Date: 02/14/2017 03:23 PM
Subject: Re: URGENT: IRB application on Sabbatical Project

January 10, 2017

Kim-Leiloni Nguyen
Professor
Natural Sciences
Mt. San Antonio College

Dear Professor Nguyen:

Per our discussion, I have reviewed your proposal for the ***EAS³E: Effective Applications of Study Strategies in Science Education*** project. As the Co-Chair of Mt. San Antonio College's IRB, I found it to be exempt from IRB review as typically sabbatical projects for in-house studies do not require IRB approval.

Please refer to our previous correspondence on Nov. 24, 2015:

> Per our conversation today as well as the attached description, your work is to test a technique to improve students' learning as part of your curriculum process. As such, you do not need to undergo Institutional Review Board (IRB) proposal review. Please keep the students' information in a secure place as you will have their survey responses as well as their grades. Please ensure that you review your emails very regularly so as to do a quick check as to what they are writing in their surveys. While the survey is focused on the videos, there is a chance that they will write unrelated statements to you (e.g., assault). You need to ensure that if these statements do appear, that you know of them as soon as possible and that you discuss the next possible course of action with your deans.

I recommend that the statement "Participation in this project will not affect your current or future grades" be added in your consent form.

Should you have any questions, please feel free to contact me at (909) 274-4109 or irb@mtsac.edu. Best wishes to you on your project.

Sincerely,

Barbara McNeice-Stallard
Co-chair, IRB
Director, Research and Institutional Effectiveness

Appendix B

⚙ ▾

◯ Everyone   Nguyen   **+ Group Set**

Search people	All Roles ▾						**+ People**

Name	Login ID	SIS ID	Section	Role	Last Activity	Total Activity	
Nicholas Abreo (https://mtsac.instructure.com/courses/21692/users/26881)	nabreo	2488082	sab00 section-Kim Nguyen	Student	Mar 6 at 12:12pm	32:35	⚙ ▾ (javascript:void(0))
Alexandra Abrew (https://mtsac.instructure.com/courses/21692/users/271789)	aabrew	2266056	sab00 section-Kim Nguyen	Student	Feb 27 at 7:59pm	01:30:19	⚙ ▾ (javascript:void(0))
Birla Achi (https://mtsac.instructure.com/courses/21692/users/14414)	bachi	2439645	sab00 section-Kim Nguyen	Student	Apr 23 at 11:36pm	02:45:08	⚙ ▾ (javascript:void(0))
Michelle Mac Adam (https://mtsac.instructure.com/courses/21692/users/29401)	mmacadam	2254018	sab00 section-Kim Nguyen	Student	Jul 3 at 11:49am	09:05:28	⚙ ▾ (javascript:void(0))
Norma Aguilar (https://mtsac.instructure.com/courses/21692/users/10431)	naguilar40	2544127	sab00 section-Kim Nguyen	Student	Jun 7 at 12:06am	01:58:55	⚙ ▾ (javascript:void(0))
Nicole Alvarado (https://mtsac.instructure.com/courses/21692/users/101669)	nalvarado6	1161710	sab00 section-Kim Nguyen	Student	May 30 at 10:32pm	02:48:10	⚙ ▾ (javascript:void(0))
Brandon Ancheta (https://mtsac.instructure.com/courses/21692/users/21611)	bancheta1	2391835	sab00 section-Kim Nguyen	Student	Jun 22 at 9:10am	02:56:01	⚙ ▾ (javascript:void(0))
Jessica Nicole Apolinar (https://mtsac.instructure.com/courses/21692/users/13642)	japolinar1	2417236	sab00 section-Kim Nguyen	Student	Jun 30 at 12:18am	03:53:24	⚙ ▾ (javascript:void(0))
Kimberly Arevalo (https://mtsac.instructure.com/courses/21692/users/18066)	karevalo6	2367199	sab00 section-Kim Nguyen	Student	Jun 8 at 8:25pm	07:02:25	⚙ ▾ (javascript:void(0))
Dorian Arreaga (https://mtsac.instructure.com/courses/21692/users/20615)	darreaga	2330891	sab00 section-Kim Nguyen	Student	Jul 24 at 9:39am	48:04	⚙ ▾ (javascript:void(0))
Ariana Ayers (https://mtsac.instructure.com/courses/21692/users/24204)	aayers	1105791	sab00 section-Kim Nguyen	Student	Feb 23 at 4:15pm		⚙ ▾ (javascript:void(0))
Silvia Baldwin (https://mtsac.instructure.com/courses/21692/users/21656)	sbaldwin3	2487315	sab00 section-Kim Nguyen	Student	May 18 at 6:24pm		⚙ ▾ (javascript:void(0))

Name	Login ID	SIS ID	Section	Role	Last Activity	Total Activity	
Candece Casas (https://mtsac.instructure.com/courses/21692/users/110776)	ccasas5	2312157	sab00 section-Kim Nguyen	Student	Mar 18 at 6:25pm	10:55:26	⚙ ▾ (javascript:void(0))
Jacqueline Castellanos (https://mtsac.instructure.com/courses/21692/users/272328)	jcastellanos40	2470341	sab00 section-Kim Nguyen	Student	Jul 1 at 6:49pm	02:47:40	⚙ ▾ (javascript:void(0))
Noah Celaya (https://mtsac.instructure.com/courses/21692/users/21020)	ncalaya	2365680	sab00 section-Kim Nguyen	Student	Jun 15 at 11:58am	39:22	⚙ ▾ (javascript:void(0))
Maria Ceniceros (https://mtsac.instructure.com/courses/21692/users/272371)	mceniceros4	2366297	sab00 section-Kim Nguyen	Student	May 10 at 11:51pm	02:29:38	⚙ ▾ (javascript:void(0))
Jessicaeve Chanca (https://mtsac.instructure.com/courses/21692/users/23527)	jchanca	2376818	sab00 section-Kim Nguyen	Student	Feb 26 at 1:34pm	31:20	⚙ ▾ (javascript:void(0))
Agasson Chen (https://mtsac.instructure.com/courses/21692/users/20562)	achen168	2412955	sab00 section-Kim Nguyen	Student	Mar 8 at 5:44pm	32:41	⚙ ▾ (javascript:void(0))
Kevin Chenet (https://mtsac.instructure.com/courses/21692/users/18049)	kchenet2	1164903	sab00 section-Kim Nguyen	Student	Jun 9 at 8:59pm	03:03:34	⚙ ▾ (javascript:void(0))
Hyeon Kyung Cheon (https://mtsac.instructure.com/courses/21692/users/20992)	hcheon2	2472606	sab00 section-Kim Nguyen	Student	Jun 6 at 11:34am	04:27:58	⚙ ▾ (javascript:void(0))
Yu Hei Chow (https://mtsac.instructure.com/courses/21692/users/413)	ychow13	2435870	sab00 section-Kim Nguyen	Student	Mar 6 at 8:10pm	37:35	⚙ ▾ (javascript:void(0))
Alicia Cole (https://mtsac.instructure.com/courses/21692/users/7569)	acole15	2500631	sab00 section-Kim Nguyen	Student	Jun 7 at 1:07pm	02:15:05	⚙ ▾ (javascript:void(0))
Denise Contreras (https://mtsac.instructure.com/courses/21692/users/6464)	dcontreras38	2376180	sab00 section-Kim Nguyen	Student	Mar 16 at 4:57pm	03:03:28	⚙ ▾ (javascript:void(0))
Lorena Cordes (https://mtsac.instructure.com/courses/21692/users/272519)	lcordes	2425329	sab00 section-Kim Nguyen	Student	Mar 8 at 10:02pm		⚙ ▾ (javascript:void(0))
Kristin Cornute (https://mtsac.instructure.com/courses/21692/users/272524)	kcornute	2508689	sab00 section-Kim Nguyen	Student	Jun 5 at 2:01pm	02:57:20	⚙ ▾ (javascript:void(0))
Dion Crowell (https://mtsac.instructure.com/courses/21692/users/272557)	dcrowell1	2342621	sab00 section-Kim Nguyen	Student	Feb 27 at 9:23pm	01:59:22	⚙ ▾ (javascript:void(0))
Jessi Tierra-Me Cruz (https://mtsac.instructure.com/courses/21692/users/13708)	jcruz199	2502882	sab00 section-Kim Nguyen	Student	May 2 at 9:41pm	01:51:52	⚙ ▾ (javascript:void(0))

Course Roster: Sabbatical Course

Name	Login ID	SIS ID	Section	Role	Last Activity	Total Activity	
Karla Estrada (https://mtsac.instructure.com/courses/21692/users/272759)	kestrada18	2270297	sab00 section-Kim Nguyen	Student	Jun 9 at 3:25pm	40:51	⚙ ▼ (javascript:void(0))
Julia Fabian (https://mtsac.instructure.com/courses/21692/users/272766)	jfabian5	2322380	sab00 section-Kim Nguyen	Student	Feb 26 at 4:30pm	58:18	⚙ ▼ (javascript:void(0))
Courtney Fenty (https://mtsac.instructure.com/courses/21692/users/76266)	cfenty	1108266	sab00 section-Kim Nguyen	Student	Jun 30 at 10:25pm	01:45:18	⚙ ▼ (javascript:void(0))
Arianna Flores (https://mtsac.instructure.com/courses/21692/users/25661)	aflores289	2434388	sab00 section-Kim Nguyen	Student	Jul 22 at 7:58pm	01:10:15	⚙ ▼ (javascript:void(0))
Mayra Flores (https://mtsac.instructure.com/courses/21692/users/26847)	mflores123	1278221	sab00 section-Kim Nguyen	Student	Mar 1 at 2:43pm	03:10:56	⚙ ▼ (javascript:void(0))
Christopher Foley (https://mtsac.instructure.com/courses/21692/users/23754)	cfoley3	2438890	sab00 section-Kim Nguyen	Student	Jun 20 at 11:53pm	01:24:30	⚙ ▼ (javascript:void(0))
Gwila Galeon (https://mtsac.instructure.com/courses/21692/users/7246)	ggaleon1	2463384	sab00 section-Kim Nguyen	Student	May 31 at 6:06pm	01:09:54	⚙ ▼ (javascript:void(0))
Ashleigh Chloe Garcia (https://mtsac.instructure.com/courses/21692/users/20244)	agarcia774	2436984	sab00 section-Kim Nguyen	Student	Mar 5 at 10:58am	01:43:58	⚙ ▼ (javascript:void(0))
Bridgette Garcia (https://mtsac.instructure.com/courses/21692/users/15406)	bgarcia129	2292919	sab00 section-Kim Nguyen	Student	May 2 at 8:59am	44:19	⚙ ▼ (javascript:void(0))
Brittney Garcia (https://mtsac.instructure.com/courses/21692/users/6670)	bodrich	1067328	sab00 section-Kim Nguyen	Student	May 6 at 6:59am	06:56	⚙ ▼ (javascript:void(0))
Daisy Garcia (https://mtsac.instructure.com/courses/21692/users/272930)	dgarcia161	2244779	sab00 section-Kim Nguyen	Student	May 16 at 11:12pm	01:57:32	⚙ ▼ (javascript:void(0))
Delfin Garcia (https://mtsac.instructure.com/courses/21692/users/11735)	dgarcia314	2439210	sab00 section-Kim Nguyen	Student	Feb 16 at 6:36pm	18:09	⚙ ▼ (javascript:void(0))
Guadalupe Garcia (https://mtsac.instructure.com/courses/21692/users/15419)	ggarciagutierrez	2348149	sab00 section-Kim Nguyen	Student	May 2 at 9:49pm	01:39:17	⚙ ▼ (javascript:void(0))
Jesse Garcia (https://mtsac.instructure.com/courses/21692/users/18005)	jgarcia702	2399327	sab00 section-Kim Nguyen	Student	May 1 at 1:17pm	01:46:31	⚙ ▼ (javascript:void(0))
Maria Garcia (https://mtsac.instructure.com/courses/21692/users/25701)	mgarcia534	2370492	sab00 section-Kim Nguyen	Student	Jun 16 at 11:19am	01:13:20	⚙ ▼ (javascript:void(0))

Name	Login ID	SIS ID	Section	Role	Last Activity	Total Activity	
Robert Gutierrez (https://mtsac.instructure.com/courses/21692/users/23115)	rgutierrez122	2363737	sab00 section-Kim Nguyen	Student	Jun 1 at 1:44pm	04:01:35	⚙ ▾ (javascript:void(0))
Kyle Hayden (https://mtsac.instructure.com/courses/21692/users/26249)	khayden1	2470996	sab00 section-Kim Nguyen	Student	Feb 27 at 10:51pm	13:32	⚙ ▾ (javascript:void(0))
Ashley Hernandez (https://mtsac.instructure.com/courses/21692/users/41206)	ahernandez17	1052061	sab00 section-Kim Nguyen	Student	Jul 23 at 8:29pm	01:26:19	⚙ ▾ (javascript:void(0))
Daniel Hernandez (https://mtsac.instructure.com/courses/21692/users/108977)	dhernandez261	2432470	sab00 section-Kim Nguyen	Student	Apr 28 at 1:23pm	16:07	⚙ ▾ (javascript:void(0))
David Hernandez (https://mtsac.instructure.com/courses/21692/users/25703)	dhernandez268	2436130	sab00 section-Kim Nguyen	Student	Jun 5 at 9:17am	03:39:53	⚙ ▾ (javascript:void(0))
Jessica Hernandez (https://mtsac.instructure.com/courses/21692/users/18032)	jhernandez787	2514690	sab00 section-Kim Nguyen	Student	Jun 18 at 3:15pm	01:01:10	⚙ ▾ (javascript:void(0))
Pedro Hernandez (https://mtsac.instructure.com/courses/21692/users/108359)	phernandez59	2328809	sab00 section-Kim Nguyen	Student	Jul 23 at 10:06pm	02:18:06	⚙ ▾ (javascript:void(0))
Stephanie Hernandez (https://mtsac.instructure.com/courses/21692/users/20169)	shernandez106	1257374	sab00 section-Kim Nguyen	Student	Jun 3 at 8:57pm	04:12:39	⚙ ▾ (javascript:void(0))
Jasmine Herrera (https://mtsac.instructure.com/courses/21692/users/23297)	jherrera106	2286956	sab00 section-Kim Nguyen	Student	Jul 18 at 11:29pm	01:33:10	⚙ ▾ (javascript:void(0))
Jonathan Herrera (https://mtsac.instructure.com/courses/21692/users/20217)	jherrera156	2459253	sab00 section-Kim Nguyen	Student	Feb 28 at 11:08pm	01:38:26	⚙ ▾ (javascript:void(0))
Kathy Hoang (https://mtsac.instructure.com/courses/21692/users/108435)	khoang5	1231893	sab00 section-Kim Nguyen	Student	Mar 20 at 1:16am	02:07:07	⚙ ▾ (javascript:void(0))
Bilal Hussain (https://mtsac.instructure.com/courses/21692/users/113510)	bhussain	1288837	sab00 section-Kim Nguyen	Student	May 26 at 1:26pm	01:44:45	⚙ ▾ (javascript:void(0))
Ibad Hussain (https://mtsac.instructure.com/courses/21692/users/15748)	ihussain	2376602	sab00 section-Kim Nguyen	Student	Jun 3 at 10:59am	02:41:11	⚙ ▾ (javascript:void(0))
Anwar Hussein (https://mtsac.instructure.com/courses/21692/users/29038)	ahussein7	2479687	sab00 section-Kim Nguyen	Student	Jun 23 at 9:35pm	01:11:24	⚙ ▾ (javascript:void(0))
Mia Jackson (https://mtsac.instructure.com/courses/21692/users/15784)	mjackson49	2494317	sab00 section-Kim Nguyen	Student	Apr 17 at 11:13am	01:06:39	⚙ ▾ (javascript:void(0))

Name	Login ID	SIS ID	Section	Role	Last Activity	Total Activity	
Gisselle Leiva (https://mtsac.instructure.com/courses/21692/users/18377)	gleiva1	2380847	sab00 section- Kim Nguyen	Student	Mar 31 at 12:30am	50:39	⚙ ▾ (javascript:void(0))
Josselyne Leiva (https://mtsac.instructure.com/courses/21692/users/15970)	jleiva10	2316697	sab00 section- Kim Nguyen	Student	Apr 22 at 8:05pm	02:45:38	⚙ ▾ (javascript:void(0))
Christopher Leong (https://mtsac.instructure.com/courses/21692/users/23710)	cleong3	2435349	sab00 section- Kim Nguyen	Student	May 3 at 11:23pm	07:13:40	⚙ ▾ (javascript:void(0))
Minying Li (https://mtsac.instructure.com/courses/21692/users/21765)	mli80	2435636	sab00 section- Kim Nguyen	Student	Jun 3 at 2:08pm	01:27:59	⚙ ▾ (javascript:void(0))
Wen Xin Li (https://mtsac.instructure.com/courses/21692/users/15992)	wli54	2360746	sab00 section- Kim Nguyen	Student	Jul 24 at 11:20am	02:27:30	⚙ ▾ (javascript:void(0))
Alexa Bautista Limon (https://mtsac.instructure.com/courses/21692/users/272095)	abautistalimon	2477514	sab00 section- Kim Nguyen	Student	Jun 6 at 1:13pm	03:11:00	⚙ ▾ (javascript:void(0))
Angela Limon (https://mtsac.instructure.com/courses/21692/users/28795)	alimon16	2460753	sab00 section- Kim Nguyen	Student	Jun 4 at 2:46pm	48:58	⚙ ▾ (javascript:void(0))
Jie Lin (https://mtsac.instructure.com/courses/21692/users/17948)	jlin154	2320852	sab00 section- Kim Nguyen	Student	Jun 8 at 9:43pm	06:08:08	⚙ ▾ (javascript:void(0))
Howl Liu (https://mtsac.instructure.com/courses/21692/users/113550)	hliu118	2503176	sab00 section- Kim Nguyen	Student	Mar 27 at 10:45pm	11:53:06	⚙ ▾ (javascript:void(0))
Tzu Yuan Liu (https://mtsac.instructure.com/courses/21692/users/19163)	tliu69	2462319	sab00 section- Kim Nguyen	Student	Feb 23 at 3:27pm	40:47	⚙ ▾ (javascript:void(0))
Jasmine Lockhart (https://mtsac.instructure.com/courses/21692/users/24926)	jlockhart1	1328160	sab00 section- Kim Nguyen	Student	Jun 17 at 11:05pm	01:51:55	⚙ ▾ (javascript:void(0))
Tania Lohse (https://mtsac.instructure.com/courses/21692/users/7774)	trivera8	1185684	sab00 section- Kim Nguyen	Student	Jun 5 at 9:33am	03:02:53	⚙ ▾ (javascript:void(0))
Jorge Lopez (https://mtsac.instructure.com/courses/21692/users/24005)	jlopez543	2351303	sab00 section- Kim Nguyen	Student	May 21 at 10:29pm	37:00	⚙ ▾ (javascript:void(0))
Vincent Lopez (https://mtsac.instructure.com/courses/21692/users/4963)	vlopez178	2545163	sab00 section- Kim Nguyen	Student	Mar 16 at 1:54am	01:46:33	⚙ ▾ (javascript:void(0))
Carina Lorenzo (https://mtsac.instructure.com/courses/21692/users/20349)	clorenzo	2332607	sab00 section- Kim Nguyen	Student	Jun 22 at 7:27am	49:46	⚙ ▾ (javascript:void(0))

Course Roster: Sabbatical Course

Name	Login ID	SIS ID	Section	Role	Last Activity	Total Activity	
Vanisa Mithpasong (https://mtsac.instructure.com/courses/21692/users/21628)	vmithpasong	2525115	sab00 section-Kim Nguyen	Student	Jun 15 at 11:18pm	02:00:57	⚙ ▾ (javascript:void(0))
Luke Molitor (https://mtsac.instructure.com/courses/21692/users/278732)	lmolitor	2560407	sab00 section-Kim Nguyen	Student	Jun 3 at 1:14pm	02:39:39	⚙ ▾ (javascript:void(0))
Allie Montero (https://mtsac.instructure.com/courses/21692/users/18013)	amontero5	2514642	sab00 section-Kim Nguyen	Student	Jun 11 at 9:35pm	55:54	⚙ ▾ (javascript:void(0))
Kendall Montero (https://mtsac.instructure.com/courses/21692/users/18014)	kmontero1	2514641	sab00 section-Kim Nguyen	Student	Jun 7 at 9:40pm	01:23:39	⚙ ▾ (javascript:void(0))
Madelyne Morales (https://mtsac.instructure.com/courses/21692/users/23094)	mmorales158	2416297	sab00 section-Kim Nguyen	Student	Jun 4 at 12:09pm	01:09:29	⚙ ▾ (javascript:void(0))
Citlally Morinico (https://mtsac.instructure.com/courses/21692/users/6295)	cmorinico	2389626	sab00 section-Kim Nguyen	Student	Mar 17 at 12:19pm	01:52:44	⚙ ▾ (javascript:void(0))
Jenniffer Nava (https://mtsac.instructure.com/courses/21692/users/23144)	jnava25	2292691	sab00 section-Kim Nguyen	Student	Jun 15 at 11:55am	03:08:18	⚙ ▾ (javascript:void(0))
Ernesto Navarro (https://mtsac.instructure.com/courses/21692/users/13160)	enavarro16	1198448	sab00 section-Kim Nguyen	Student	Jul 14 at 8:43pm	16:17	⚙ ▾ (javascript:void(0))
Kim-Leiloni Nguyen (https://mtsac.instructure.com/courses/21692/users/4048)	knguyen	1037704	sab00 section-Kim Nguyen	Teacher	Jul 24 at 11:53am	61:17:51	⚙ ▾ (javascript:void(0))
Van Nguyen (https://mtsac.instructure.com/courses/21692/users/271621)	vnguyen79	2385058	sab00 section-Kim Nguyen	Student	Feb 27 at 12:38am	47:28	⚙ ▾ (javascript:void(0))
Nicole Nocie (https://mtsac.instructure.com/courses/21692/users/108819)	nnocie	2476315	sab00 section-Kim Nguyen	Student	Jun 22 at 10:45am	01:45:39	⚙ ▾ (javascript:void(0))
Uzoma Nwanezi (https://mtsac.instructure.com/courses/21692/users/16520)	unwanezi	2476034	sab00 section-Kim Nguyen	Student	Jun 6 at 9:04pm	01:52:41	⚙ ▾ (javascript:void(0))
Theophilus Obeto (https://mtsac.instructure.com/courses/21692/users/18010)	tobeto	2434564	sab00 section-Kim Nguyen	Student	Mar 16 at 8:56pm	03:50:38	⚙ ▾ (javascript:void(0))
Carli Orrence (https://mtsac.instructure.com/courses/21692/users/20173)	corrence	2480975	sab00 section-Kim Nguyen	Student	Feb 26 at 3:36pm	37:52	⚙ ▾ (javascript:void(0))
Melissa Ortega (https://mtsac.instructure.com/courses/21692/users/26230)	mortega75	2374379	sab00 section-Kim Nguyen	Student	Mar 23 at 9:02am	01:56:02	⚙ ▾ (javascript:void(0))

Name	Login ID	SIS ID	Section	Role	Last Activity	Total Activity	
Matthew Reyna (https://mtsac.instructure.com/courses/21692/users/24724)	mreyna8	2307947	sab00 section-Kim Nguyen	Student	Jul 22 at 12:29pm	41:56	⚙ ▾ (javascript:void(0))
Alexis Reynoso (https://mtsac.instructure.com/courses/21692/users/20845)	areynoso29	2540786	sab00 section-Kim Nguyen	Student	May 23 at 10:58am	22:27	⚙ ▾ (javascript:void(0))
Seth Richard Ricarte (https://mtsac.instructure.com/courses/21692/users/10636)	sricarte1	2472472	sab00 section-Kim Nguyen	Student	Jun 5 at 8:34am	03:15:00	⚙ ▾ (javascript:void(0))
Lubby "Selena" Rodriguez (https://mtsac.instructure.com/courses/21692/users/17976)	lrodriguez194	2396408	sab00 section-Kim Nguyen	Student	Jun 16 at 1:24pm	04:08:24	⚙ ▾ (javascript:void(0))
Matthew Rodriguez (https://mtsac.instructure.com/courses/21692/users/113642)	mrodriguez445	2341300	sab00 section-Kim Nguyen	Student	Mar 19 at 8:54pm	01:10:19	⚙ ▾ (javascript:void(0))
Yazmine Rodriguez (https://mtsac.instructure.com/courses/21692/users/24686)	yrodriguez51	2458225	sab00 section-Kim Nguyen	Student	Mar 1 at 1:46pm	02:01:39	⚙ ▾ (javascript:void(0))
Alyssa Rojas (https://mtsac.instructure.com/courses/21692/users/20846)	arojas76	2523824	sab00 section-Kim Nguyen	Student	Feb 20 at 11:54pm	58:30	⚙ ▾ (javascript:void(0))
Brenda Rojas (https://mtsac.instructure.com/courses/21692/users/20554)	brojas7	2239849	sab00 section-Kim Nguyen	Student	Jul 18 at 8:33pm	17:09	⚙ ▾ (javascript:void(0))
Cinthia Rojas (https://mtsac.instructure.com/courses/21692/users/274762)	crojas41	2458486	sab00 section-Kim Nguyen	Student	Mar 21 at 8:55pm	01:28:01	⚙ ▾ (javascript:void(0))
Dyami Ruiz-Martinez (https://mtsac.instructure.com/courses/21692/users/25129)	druizmartinez	2476527	sab00 section-Kim Nguyen	Student	Mar 19 at 3:23pm	02:00:11	⚙ ▾ (javascript:void(0))
Jennifer Ruiz (https://mtsac.instructure.com/courses/21692/users/17025)	jruiz139	2379696	sab00 section-Kim Nguyen	Student	Jun 12 at 7:25pm	01:46:29	⚙ ▾ (javascript:void(0))
Nicole Ruiz (https://mtsac.instructure.com/courses/21692/users/283350)	nruiz43	2374950	sab00 section-Kim Nguyen	Student	Mar 2 at 10:20am	01:25:59	⚙ ▾ (javascript:void(0))
Maite Salinas (https://mtsac.instructure.com/courses/21692/users/7660)	msalinas15	2292077	sab00 section-Kim Nguyen	Student	Mar 6 at 12:42pm	02:12:15	⚙ ▾ (javascript:void(0))
Devon Sanabria (https://mtsac.instructure.com/courses/21692/users/7460)	dsanabria1	2375796	sab00 section-Kim Nguyen	Student	Mar 2 at 10:39pm		⚙ ▾ (javascript:void(0))
Brenda Sanchez (https://mtsac.instructure.com/courses/21692/users/114226)	bsanchez60	2326017	sab00 section-Kim Nguyen	Student	Feb 27 at 10:29pm	01:03:19	⚙ ▾ (javascript:void(0))

Name	Login ID	SIS ID	Section	Role	Last Activity	Total Activity	
Richard Vasquez (https://mtsac.instructure.com/courses/21692/users/117155)	rvasquez62	2474173	sab00 section-Kim Nguyen	Student	May 24 at 6:03pm	40:25	⚙ ▾ (javascript:void(0))
Catalina Velasquez (https://mtsac.instructure.com/courses/21692/users/25016)	cvelasquez16	1803245	sab00 section-Kim Nguyen	Student	Jul 23 at 11:04am	01:43:56	⚙ ▾ (javascript:void(0))
Jonathan Ventura (https://mtsac.instructure.com/courses/21692/users/17499)	jventura19	2545649	sab00 section-Kim Nguyen	Student	Jun 5 at 12:32pm	02:11:25	⚙ ▾ (javascript:void(0))
Christopher Villatoro (https://mtsac.instructure.com/courses/21692/users/17538)	cvillatoro	2376544	sab00 section-Kim Nguyen	Student	Jun 17 at 7:20am	03:36:43	⚙ ▾ (javascript:void(0))
Tuyen Vo (https://mtsac.instructure.com/courses/21692/users/5197)	tvo38	2465803	sab00 section-Kim Nguyen	Student	Jun 6 at 11:46pm	01:47:56	⚙ ▾ (javascript:void(0))
Hui-Ying Wang (https://mtsac.instructure.com/courses/21692/users/246)	hwang117	2412399	sab00 section-Kim Nguyen	Student	Apr 10 at 5:17pm	03:37:47	⚙ ▾ (javascript:void(0))
Weishan Wen (https://mtsac.instructure.com/courses/21692/users/26175)	wwen3	2473023	sab00 section-Kim Nguyen	Student	Apr 8 at 5:34pm	03:44:01	⚙ ▾ (javascript:void(0))
Joshua White (https://mtsac.instructure.com/courses/21692/users/939)	jwhite66	2529022	sab00 section-Kim Nguyen	Student	Feb 24 at 4:36am	21:39	⚙ ▾ (javascript:void(0))
Cynthia Wood (https://mtsac.instructure.com/courses/21692/users/51596)	cwood	1071998	sab00 section-Kim Nguyen	Student	Mar 16 at 12:46am	38:02	⚙ ▾ (javascript:void(0))
Chung Che Wu (https://mtsac.instructure.com/courses/21692/users/18854)	cwu151	2508366	sab00 section-Kim Nguyen	Student	Mar 19 at 6:13pm	05:26:35	⚙ ▾ (javascript:void(0))
Nada Xie (https://mtsac.instructure.com/courses/21692/users/13776)	nxie2	2459934	sab00 section-Kim Nguyen	Student	Mar 9 at 6:44pm	11:06	⚙ ▾ (javascript:void(0))
James Yee (https://mtsac.instructure.com/courses/21692/users/19865)	jyee18	2511390	sab00 section-Kim Nguyen	Student	Mar 20 at 12:26am	02:11:12	⚙ ▾ (javascript:void(0))
Pei-Han Yen (https://mtsac.instructure.com/courses/21692/users/18231)	pyen	1130361	sab00 section-Kim Nguyen	Student	May 20 at 11:46pm	02:40:36	⚙ ▾ (javascript:void(0))
Ting Zhou (https://mtsac.instructure.com/courses/21692/users/26342)	tzhou7	2382715	sab00 section-Kim Nguyen	Student	Mar 20 at 1:10pm	01:37:33	⚙ ▾ (javascript:void(0))
Kimberly Zuniga (https://mtsac.instructure.com/courses/21692/users/18290)	kzuniga7	2396417	sab00 section-Kim Nguyen	Student	Jun 12 at 1:38am	02:34:13	⚙ ▾ (javascript:void(0))

Everyone   Nguyen

+ Group Set

+ Group   ⚙ ▾

Unassigned Students (19)

Search users

:: Jeanae Bourdeau   +

:: Lorena Cordes   +

:: Arielle Delgado   +

:: Raquel Espinoza-O...   +

:: Brittney Garcia   +

:: Maria Garcia   +

:: Alycia Gil   +

:: Jessica Vega Guer...   +

:: Brittany Jones   +

:: Carmen Martinez   +

:: Jose Mejorada   +

:: Domonique Mitchell   +

:: Tammy Phan   +

:: Alexis Reynoso   +

:: Matthew Rodriguez   +

:: Devon Sanabria   +

:: Karina Solano   +

Groups (8)

▾ Chamberlain   51 students   ⚙ ▾

:: Alexandra Abrew ⚙▾	:: Brandon Ancheta ⚙▾	:: Jessica Nicole Apoli... ⚙▾
:: Kimberly Arevalo ⚙▾	:: Paolo Camacho ⚙▾	:: Kevin Chenet ⚙▾
:: Hyeon Kyung Cheon ⚙▾	:: James Chiu ⚙▾	:: Maria de la Cruz ⚙▾
:: Henry Dang ⚙▾	:: Paulina Dominguez ⚙▾	:: Maricela Enriquez ⚙▾
:: Ashley Gonzalez ⚙▾	:: Tamara Guccione ⚙▾	:: Robert Gutierrez ⚙▾
:: Kyle Hayden ⚙▾	:: David Hernandez ⚙▾	:: Pedro Hernandez ⚙▾
:: Bilal Hussain ⚙▾	:: Ibad Hussain ⚙▾	:: Eduardo Jorge ⚙▾
:: Jennifer Kempkes ⚙▾	:: Bag Gi Kim ⚙▾	:: Frank Kim ⚙▾
:: Inez Le ⚙▾	:: Minying Li ⚙▾	:: Wen Xin Li ⚙▾
:: Alexa Bautista Limon ⚙▾	:: Tania Lohse ⚙▾	:: David Marin ⚙▾
:: Hunter Marteney ⚙▾	:: Allie Montero ⚙▾	:: Kendall Montero ⚙▾
:: Allan Pangan ⚙▾	:: Jisu Park ⚙▾	:: Theresa Perez ⚙▾
:: Veronica Preciado ⚙▾	:: Victoria Prizio ⚙▾	:: Shirley Ramos ⚙▾
:: Ginger Alonso Rangel ⚙▾	:: Seth Richard Ricarte ⚙▾	:: Lubby "Selena" Rodr... ⚙▾
:: Jennifer Ruiz ⚙▾	:: Kalli-An Sanchez ⚙▾	:: Jodi Tanaka ⚙▾
:: Jonathan Torres ⚙▾	:: Brenda Ubaldo ⚙▾	:: Christopher Villatoro ⚙▾
:: Hui-Ying Wang ⚙▾	:: Weishan Wen ⚙▾	:: Pei-Han Yen ⚙▾

▾ Kakiba-Russell   46 students   ⚙ ▾

:: Charles Bladh ⚙▾	:: Lauren Brown ⚙▾	:: Luigi Bryden ⚙▾
:: Trinh Bui ⚙▾	:: Alexander Camacho ⚙▾	:: Jacqueline Castellanos ⚙▾
:: Noah Celaya ⚙▾	:: Jessicaeve Chanca ⚙▾	:: Dion Crowell ⚙▾

⠿ Citlally Morinico ⚙▾	⠿ Theophilus Obeto ⚙▾	⠿ Carli Orrence ⚙▾
⠿ Melissa Ortega ⚙▾	⠿ Alyssa Rojas ⚙▾	⠿ Nicole Ruiz ⚙▾
⠿ Dyami Ruiz-Martinez ⚙▾	⠿ Maite Salinas ⚙▾	⠿ Brenda Sanchez ⚙▾
⠿ Zachary Scheerer ⚙▾	⠿ Eryu Shang ⚙▾	⠿ Natalie Vargas ⚙▾
⠿ Joshua White ⚙▾	⠿ Cynthia Wood ⚙▾	⠿ Chung Che Wu ⚙▾
⠿ James Yee ⚙▾	⠿ Ting Zhou ⚙▾	

▸ **Lawlor**   0 students   ⚙▾

▾ **Meyer**   22 students   ⚙▾

⠿ Norma Aguilar ⚙▾	⠿ Marelyn Barrios ⚙▾	⠿ Maria Ceniceros ⚙▾
⠿ Kristin Cornute ⚙▾	⠿ Charity Duran ⚙▾	⠿ Karla Estrada ⚙▾
⠿ Gwila Galeon ⚙▾	⠿ Bridgette Garcia ⚙▾	⠿ Daisy Garcia ⚙▾
⠿ Guadalupe Garcia ⚙▾	⠿ Henry Gutierrez ⚙▾	⠿ Jesse Gutierrez ⚙▾
⠿ Jenevieve Labunski ⚙▾	⠿ Jie Lin ⚙▾	⠿ Ernesto Navarro ⚙▾
⠿ Uzoma Nwanezi ⚙▾	⠿ Soo Park ⚙▾	⠿ Lauren Smith ⚙▾
⠿ Mike Ton ⚙▾	⠿ Richard Vasquez ⚙▾	⠿ Catalina Velasquez ⚙▾
⠿ Kimberly Zuniga ⚙▾		

▾ **Nguyen**   5 students   ⚙▾

⠿ Dorian Arreaga ⚙▾	⠿ Tshlene Bentley ⚙▾	⠿ Alisha Davis ⚙▾
⠿ Delfin Garcia ⚙▾	⠿ Hailey Scoggins ⚙▾	

▾ **Revell**   12 students   ⚙▾

⠿ Birla Achi ⚙▾	⠿ Jocelyn Campos ⚙▾	⠿ Ignacio Espinoza ⚙▾
⠿ Arianna Flores ⚙▾	⠿ Stephanie Hernandez ⚙▾	⠿ Thy Le ⚙▾
⠿ Jane Lee ⚙▾	⠿ Angela Limon ⚙▾	⠿ Luke Molitor ⚙▾
⠿ Madelyne Morales ⚙▾	⠿ Marie Nour El Rai ⚙▾	⠿ Jonathan Ventura ⚙▾

Appendix C

Quiz Summary

Section Filter ▾   📊 Student Analysis   📊 Item Analysis

ⓜ Average Score	ⓐ High Score	ⓛ Low Score	ⓢ Standard Deviation	ⓣ Average Time
100%	100%	100%	0.00	02:16:18

0%   10%   20%   30%   40%   50%   60%   70%   80%   90%   100%
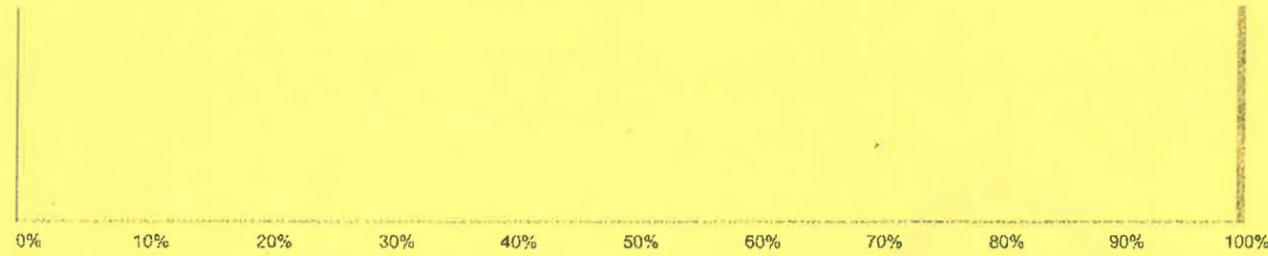
Question Breakdown

Attempts: 194 out of 194

-0.00

1. I am watching these videos because

Discrimination Index ⓘ

a. I want to learn.	17 respondents	9 %	✓
b. I want extra credits.	32 respondents	16 %	
c. both	145 respondents	75 %	
d. neither		0 %	

65%
answered
correctly

Attempts: 194 out of 194   **-0.00**

4. My age is

Discrimination
Index ⑦

a. below 18 years.		**0** % ✓
b. 18-21 years.	96 respondents	49 %
c. 22-30 years.	77 respondents	40 %
d. above 30 years.	21 respondents	11 %

0%
answered
correctly
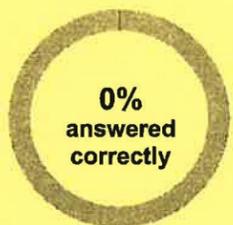
Attempts: 193 out of 194

5. I heard about these videos from Professor _____

Something Else	193 respondents	99 %
No Answer	1 respondents	1 %

0%
answered
correctly

95%
answered
correctly
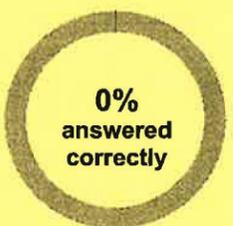
Attempts: 193 out of 194

8. I understand and agree to complete a follow-up survey later in this semester to see if I am using any of these strategies taught in these videos.

-0.00

Discrimination
Index ⑦

True	189 respondents	**97** %
False	4 respondents	2 %
No Answer	1 respondents	1 %

97%
answered
correctly

Quiz Summary

| Section Filter ▾ | 📊 Student Analysis | 📊 Item Analysis |

ⓜ Average Score	ⓟ High Score	ⓢ Low Score	ⓞ Standard Deviation	ⓣ Average Time
100%	100%	100%	0.00	01:09

0% 10% 20% 30% 40% 50% 60% 70% 80% 90% 100%
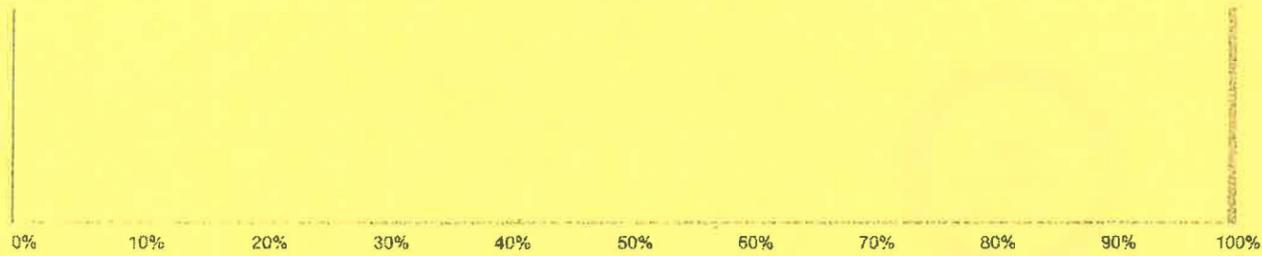
Question Breakdown

Attempts: 196 out of 196

1. Are you a student wanting to improve your grades, especially in the Sciences?

-0.00

Discrimination Index ⑦

True	191 respondents	**97** %
False	5 respondents	3 %

Quiz Summary

Section Filter ▾   📊 Student Analysis   📊 Item Analysis

⊕ Average Score	⊘ High Score	⊖ Low Score	⊙ Standard Deviation	⊕ Average Time
100%	100%	100%	0.00	04:38

0%   10%   20%   30%   40%   50%   60%   70%   80%   90%   100%
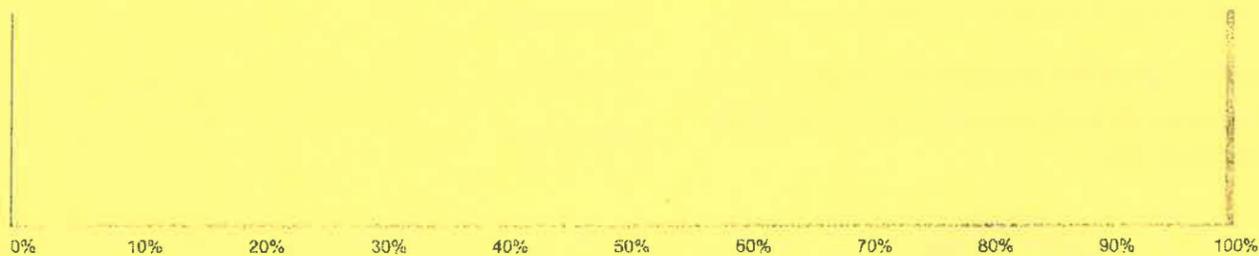
Question Breakdown

Attempts: 206 out of 206   **-0.00**

1. Which of the following is true?   Discrimination Index ⑦

Pay attention if you want to learn quickly.	191 respondents	**93** %
Do multiple similar activities at the same time to save time.	2 respondents	1 %
It is easier to change a younger brain than an older brain.	11 respondents	5 %
These videos will show you how to get good grades without studying.	2 respondents	1 %

87%
answered
correctly
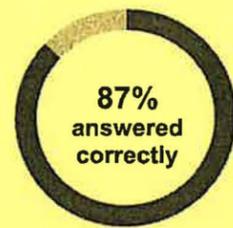
Attempts: 205 out of 206   **-0.00**

4. You found this video clear and easy to understand.   Discrimination
                                                         Index ⑦

strongly agree	136 respondents	**66** %
agree	66 respondents	32 %
neither agree nor disagree	2 respondents	1 %
disagree	1 respondents	0 %
strongly disagree		0 %
No Answer	1 respondents	0 %

66%
answered
correctly

Attempts: 205 out of 206   **-0.00**

5. You learned _____ new information in this video.   Discrimination
                                                        Index ⑦

many	49 respondents	**24** %	✓
some	122 respondents	59 %	
a little	29 respondents	14 %	
no	5 respondents	2 %	
No Answer	1 respondents	0 %	

33%
answered
correctly
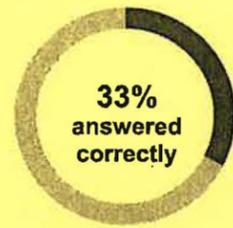
Attempts: 205 out of 206

8. I will apply or have already been applying the strategies mentioned in this video when studying.

-0.00

Discrimination
Index ⑦

strongly agree	66 respondents	**32** %	✓
agree	116 respondents	56 %	
neither agree or disagree	20 respondents	10 %	
disagree	3 respondents	1 %	
strongly disagree		0 %	
No Answer	1 respondents	0 %	

32%
answered
correctly

Attempts: 201 out of 206

9. Please list what you like about this video:

Ungraded answers	206 respondents	100 %

Quiz Summary

| Section Filter ▾ | 📊 Student Analysis | 📊 Item Analysis |

μ Average Score	⚲ High Score	⚲ Low Score	σ Standard Deviation	🕓 Average Time
100%	100%	100%	0.00	06:25

0%   10%   20%   30%   40%   50%   60%   70%   80%   90%   100%
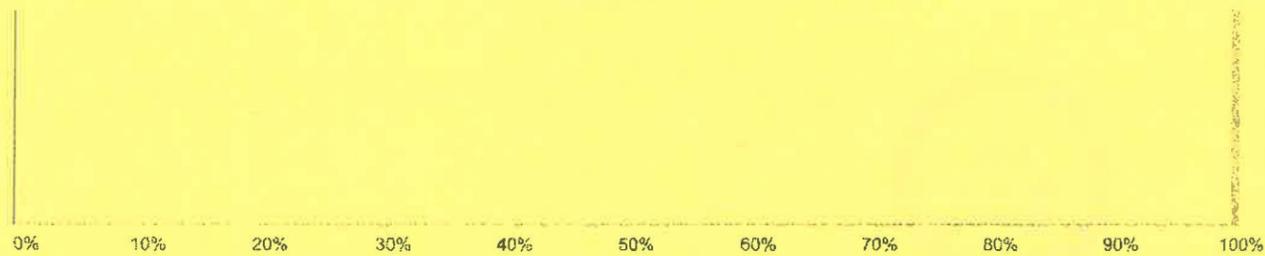
Question Breakdown

Attempts: 197 out of 197

1. When deciding which class to take, the time of class is more important than the person teaching the class.

-0.00

Discrimination
Index ⑦

True	50 respondents	**25** %	✓
False	147 respondents	75 %	

Quiz Summary

Section Filter ▾　　　📊 Student Analysis　　　📊 Item Analysis

⊡ Average Score	⬀ High Score	⬂ Low Score	σ Standard Deviation	◷ Average Time
100%	100%	100%	0.00	11:46

0%　　10%　　20%　　30%　　40%　　50%　　60%　　70%　　80%　　90%　　100%
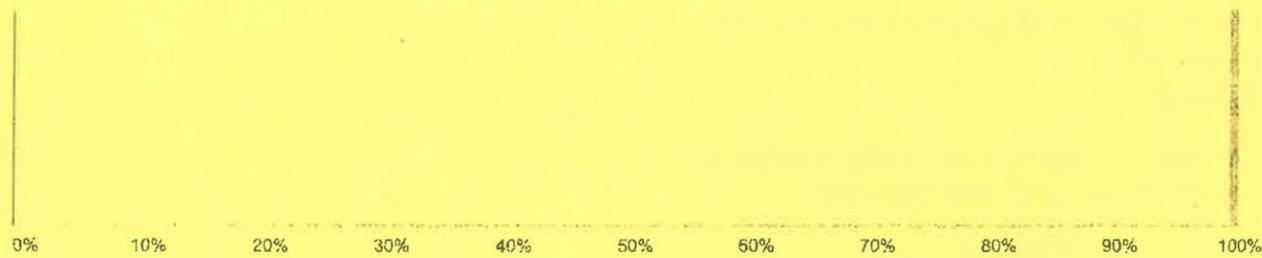
Question Breakdown

Attempts: 195 out of 195

1. Which of the following is <u>not</u> important when deciding which class to take according to this video?

-0.00

Discrimination
Index ⑦

Who is teaching the class	2 respondents	1 %	✓
Day and time of class	39 respondents	20 %	
Syllabus of that class		0 %	
Who else is taking the class	154 respondents	79 %	

60%
answered
correctly
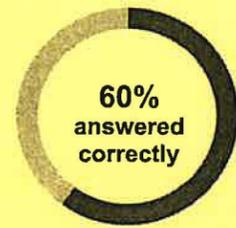
Attempts: 194 out of 195

-0.00

4. You found this video clear and easy to understand.   Discrimination
                                                          Index ⑦

strongly agree	94 respondents	**48** %
agree	96 respondents	49 %
neither agree nor disagree	3 respondents	2 %
disagree	1 respondents	1 %
strongly disagree		0 %
No Answer	1 respondents	1 %

48%
answered
correctly

Attempts: 194 out of 195

-0.00

5. You learned _____ new information in this video.   Discrimination
                                                       Index ⑦

many	91 respondents	**47** %
some	80 respondents	41 %
a little	22 respondents	11 %
no	1 respondents	1 %
No Answer	1 respondents	1 %

34%
answered
correctly

Attempts: 194 out of 195

8. I will apply or have already been applying the strategies mentioned in this video when studying.

-0.00

Discrimination
Index ⑦

strongly agree	78 respondents	40 %	✓
agree	103 respondents	53 %	
neither agree or disagree	9 respondents	5 %	
disagree	4 respondents	2 %	
strongly disagree		0 %	
No Answer	1 respondents	1 %	

40%
answered
correctly
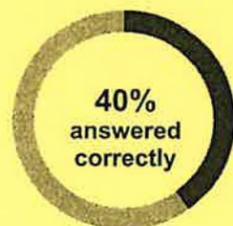
Attempts: 188 out of 195

9. Please list what you like about this video:

| Ungraded answers | 195 respondents | 100 % |

Quiz Summary

Section Filter ▾   📊 Student Analysis   📊 Item Analysis

⊕ Average Score	⊘ High Score	⊘ Low Score	⊙ Standard Deviation	⊙ Average Time
100%	100%	100%	0.00	02:03

0%   10%   20%   30%   40%   50%   60%   70%   80%   90%   100%
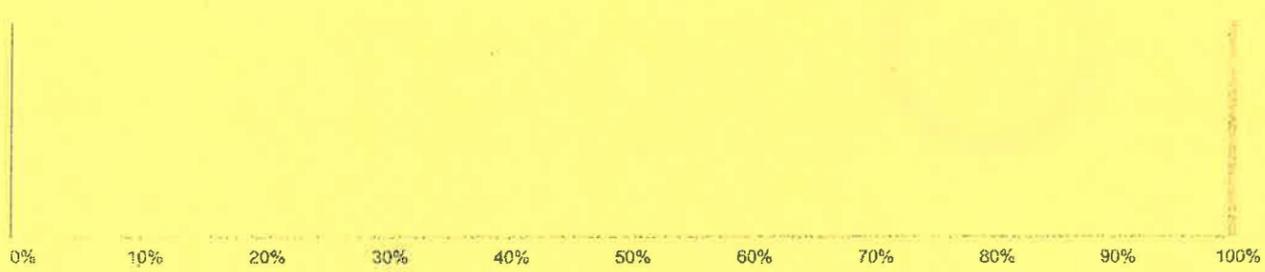
Question Breakdown

Attempts: 186 out of 186

-0.00

1. You often attend class without knowing the topics to be discussed.

Discrimination Index ⑦

True	101 respondents	**54** %
False	85 respondents	46 %

54% answered correctly

Quiz Summary

Section Filter ▾   📊 Student Analysis   📊 Item Analysis

ⓤ Average Score	ⓐ High Score	ⓢ Low Score	ⓢ Standard Deviation	ⓣ Average Time
100%	100%	100%	0.00	02:46:15

0%   10%   20%   30%   40%   50%   60%   70%   80%   90%   100%
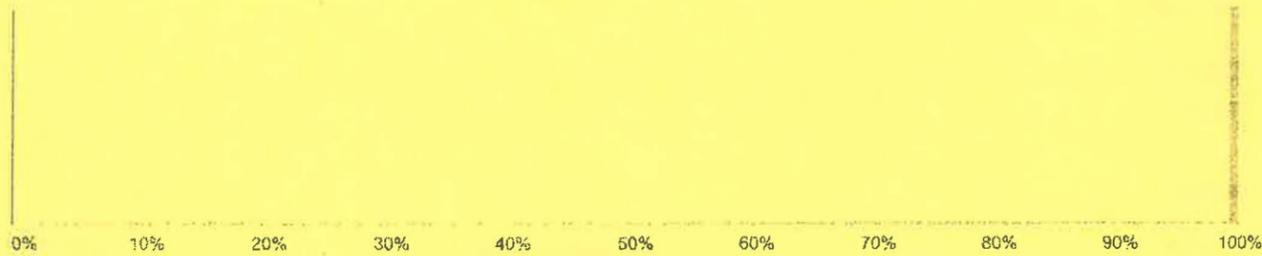
Question Breakdown

Attempts: 187 out of 187   **-0.00**

1. Which of the following is **false** according to this video?   Discrimination Index ⓘ

Take frequent short breaks when you study.	5 respondents	3 %	✓
Lecture should be the first time you see the topic.	173 respondents	93 %	
Seeing and hearing the topic more than once is helpful to the brain.	5 respondents	3 %	
During lecture, you don't want to overwhelm your brain.	4 respondents	2 %	

4%
answered
correctly

Attempts: 186 out of 187

-0.00

4. You found this video clear and easy to understand.

Discrimination Index ⑦

strongly agree	92 respondents	**49** %
agree	91 respondents	49 %
neither agree nor disagree	3 respondents	2 %
disagree		0 %
strongly disagree		0 %
No Answer	1 respondents	1 %

49%
answered
correctly

Attempts: 186 out of 187

-0.00

5. You learned _____ new information in this video.

Discrimination Index ⑦

many	91 respondents	**49** %
some	82 respondents	44 %
a little	11 respondents	6 %
no	2 respondents	1 %
No Answer	1 respondents	1 %

37%
answered
correctly

Attempts: 186 out of 187

8. I will apply or have already been applying the strategies mentioned in this video when studying.

-0.00

Discrimination
Index ⑦

strongly agree	80 respondents	**43** %	✓
agree	90 respondents	48 %	
neither agree or disagree	11 respondents	6 %	
disagree	5 respondents	3 %	
strongly disagree		0 %	
No Answer	1 respondents	1 %	

43%
answered
correctly

Attempts: 176 out of 187

9. Please list what you like about this video:

Ungraded answers   187 respondents   100 %

Quiz Summary

Section Filter ▾	📊 Student Analysis	📊 Item Analysis

⊙ Average Score	⬈ High Score	⬋ Low Score	σ Standard Deviation	🕐 Average Time
100%	100%	100%	0.00	00:32

0%   10%   20%   30%   40%   50%   60%   70%   80%   90%   100%
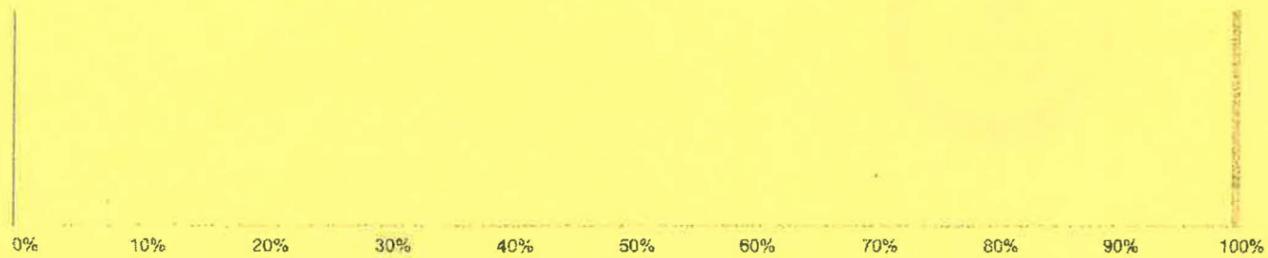
Question Breakdown

Attempts: 188 out of 188

-0.00

1. You usually sit in the middle or back of the class.   Discrimination Index ⊙

True	83 respondents	**44** %	✓
False	105 respondents	56 %	

44% answered correctly

Quiz Summary

| Section Filter ▾ | 📊 Student Analysis | 📊 Item Analysis |

ⓜ Average Score	ⓐ High Score	ⓥ Low Score	ⓢ Standard Deviation	ⓣ Average Time
100%	100%	100%	0.00	04:54

| 0% | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | 100% |

Question Breakdown

Attempts: 187 out of 187

-0.00
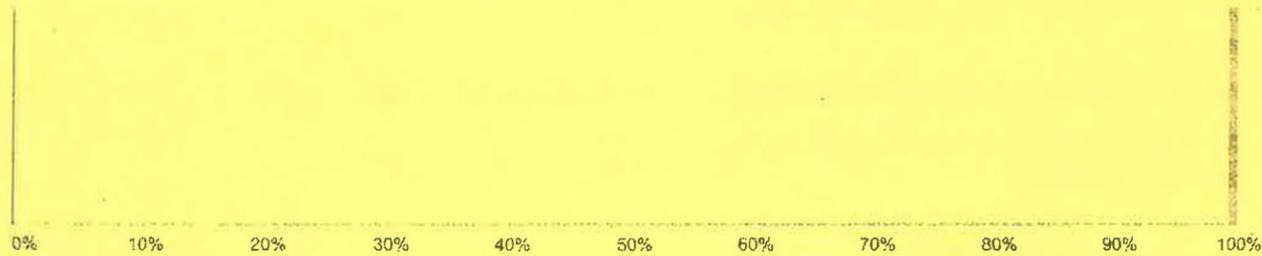
1. Which of the following is true according to the video?   Discrimination Index ⓘ

The most important task during lecture is to take notes.	12 respondents	6 %	✓
The goal of lecture is to check your understanding of the topic.	174 respondents	93 %	
Bring food to eat if you have a long lecture and are hungry.		0 %	
Check the web for additional resources to help you understand during lecture.	1 respondents	1 %	

recommendation in the future.
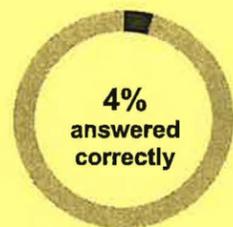
4%
answered
correctly

Attempts: 186 out of 187

-0.00

4. You found this video clear and easy to understand.　Discrimination Index ⑦

strongly agree	91 respondents	**49** %
agree	90 respondents	48 %
neither agree nor disagree	5 respondents	3 %
disagree		0 %
strongly disagree		0 %
No Answer	1 respondents	1 %

49%
answered
correctly

Attempts: 185 out of 187

-0.00

5. You learned _____ new information in this video.　Discrimination Index ⑦

many	63 respondents	**34** %
some	100 respondents	53 %
a little	19 respondents	10 %
no	3 respondents	2 %
No Answer	2 respondents	1 %

34%
answered
correctly

Attempts: 185 out of 187

8. I will apply or have already been applying the strategies mentioned in this video when studying.

-0.00

Discrimination
Index ⓘ

strongly agree	77 respondents	**41** %	✓
agree	97 respondents	52 %	
neither agree or disagree	10 respondents	5 %	
disagree	1 respondents	1 %	
strongly disagree		0 %	
No Answer	2 respondents	1 %	

41%
answered
correctly

Attempts: 173 out of 187

9. Please list what you like about this video:

Ungraded answers	187 respondents	100 %

Quiz Summary

Section Filter ▾   📊 Student Analysis   📊 Item Analysis

⊙ Average Score	↗ High Score	⊙ Low Score	σ Standard Deviation	⏱ Average Time
100%	100%	100%	0.00	00:38

0%   10%   20%   30%   40%   50%   60%   70%   80%   90%   100%
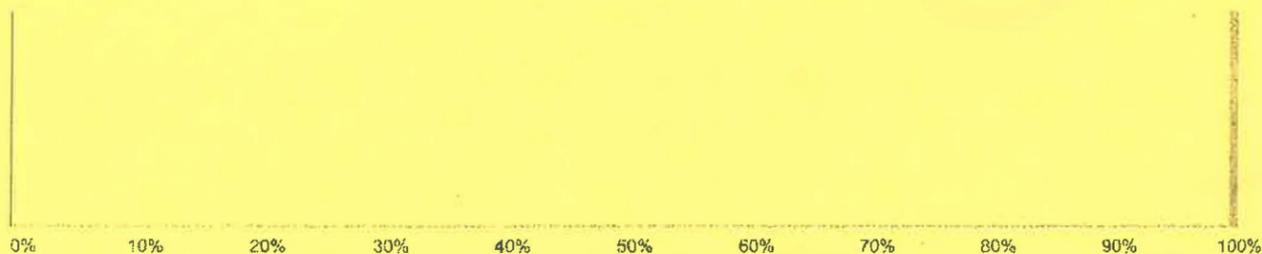
Question Breakdown

Attempts: 147 out of 147

-0.00

1. You usually wait until right before the test to start studying.

Discrimination Index ⑦

True	58 respondents	**39** %	✓
False	89 respondents	61 %	
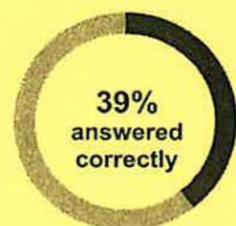
39% answered correctly

Quiz Summary

| Section Filter ▾ | | 📊 Student Analysis | 📊 Item Analysis |

⏱ Average Score	↗ High Score	↘ Low Score	σ Standard Deviation	🕐 Average Time
100%	100%	100%	0.00	03:52
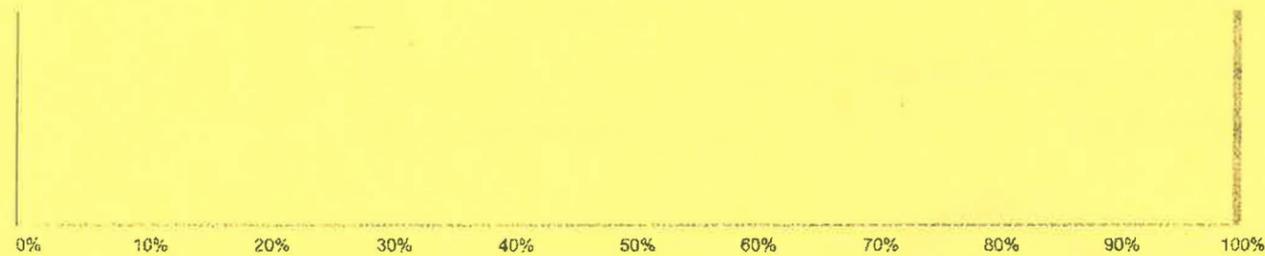
Question Breakdown

Attempts: 137 out of 137

1. EASSSE = Effective Applications of Study Strategies in Science Education is an example of _____.

-0.00

Discrimination
Index ⑦

an acrostic	39 respondents	28 %	✓
an acronym	91 respondents	66 %	
a verbal association	5 respondents	4 %	
a visual association	2 respondents	1 %	

5%
answered
correctly

Attempts: 136 out of 137

-0.00

4. You found this video clear and easy to understand.   Discrimination Index ⑦

strongly agree	59 respondents	**43** %	✓
agree	67 respondents	49 %	
neither agree nor disagree	8 respondents	6 %	
disagree	2 respondents	1 %	
strongly disagree		0 %	
No Answer	1 respondents	1 %	

43%
answered
correctly
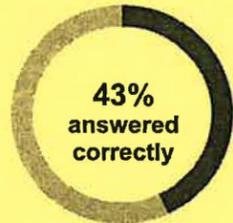
Attempts: 137 out of 137

-0.00

5. You learned _____ new information in this video.   Discrimination Index ⑦

many	62 respondents	**45** %	✓
some	64 respondents	47 %	
a little	11 respondents	8 %	
no		0 %	

33%
answered
correctly

Attempts: 137 out of 137

8. I will apply or have already been applying the strategies mentioned in this video when studying.

-0.00

Discrimination
Index ⑦

strongly agree	42 respondents	**31** %	✓
agree	87 respondents	64 %	
neither agree or disagree	7 respondents	5 %	
disagree	1 respondents	1 %	
strongly disagree		0 %	

31%
answered
correctly
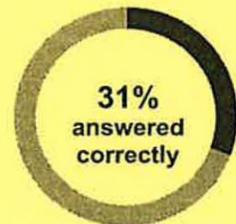
Attempts: 132 out of 137

9. Please list what you like about this video:

Ungraded answers	137 respondents	100 %

Quiz Summary

Section Filter ▾ 📊 Student Analysis 📊 Item Analysis

⌣ Average Score	⌥ High Score	⌄ Low Score	⊚ Standard Deviation	🕓 Average Time
100%	100%	100%	0.00	00:30

0% 10% 20% 30% 40% 50% 60% 70% 80% 90% 100%

Question Breakdown

Attempts: 133 out of 133

-0.00

1. You stay up all night cramming for an exam.

Discrimination Index ⑦

True	62 respondents	**47** %	✓
False	71 respondents	53 %	

47% answered correctly

Quiz Summary

ⓤ Average Score	ⓐ High Score	ⓥ Low Score	ⓢ Standard Deviation	🕐 Average Time
100%	100%	100%	0.00	08:43

0% 10% 20% 30% 40% 50% 60% 70% 80% 90% 100%
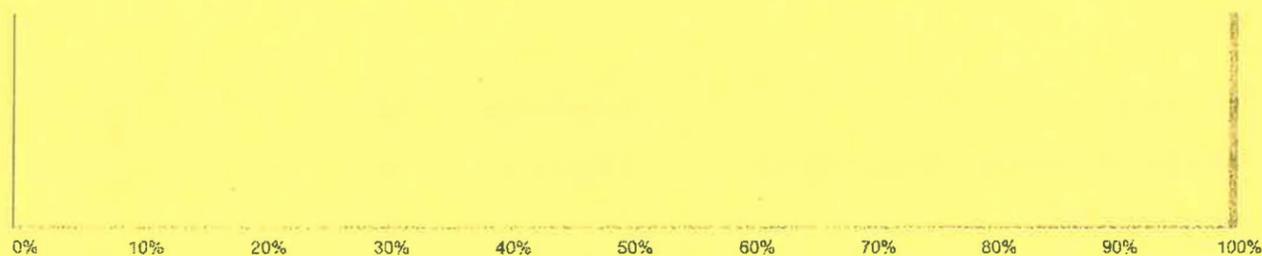
Question Breakdown

Attempts: 131 out of 131

-0.00

1. Which is the worst outputting strategy?   Discrimination Index ⓘ

Highlighting your notes	100 respondents	76 %
Brainstorming	13 respondents	10 %
Quizzing your peers	3 respondents	2 %
Labeling a blank picture	15 respondents	11 %

4%
answered
correctly
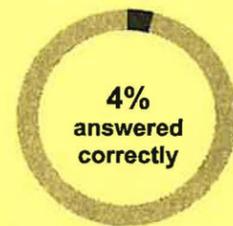
Attempts: 130 out of 131

-0.00

4. You found this video clear and easy to understand.　Discrimination Index ⑦

strongly agree	57 respondents	**44** %	✓
agree	62 respondents	47 %	
neither agree nor disagree	10 respondents	8 %	
disagree	1 respondents	1 %	
strongly disagree		0 %	
No Answer	1 respondents	1 %	

44%
answered
correctly

Attempts: 130 out of 131

-0.00

5. You learned _____ new information in this video.　Discrimination Index ⑦

|			
many	52 respondents	**40** %	✓
some	60 respondents	46 %	
a little	18 respondents	14 %	
no		0 %	
No Answer	1 respondents	1 %	

36%
answered
correctly

Attempts: 130 out of 131

8. I will apply or have already been applying the strategies mentioned in this video when studying.

-0.00

Discrimination
Index ⓘ

strongly agree	46 respondents	**35** %	✓
agree	76 respondents	58 %	
neither agree or disagree	7 respondents	5 %	
disagree	1 respondents	1 %	
strongly disagree		0 %	
No Answer	1 respondents	1 %	

35%
answered
correctly
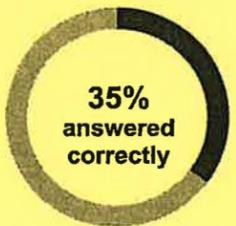
Attempts: 124 out of 131

9. Please list what you like about this video:

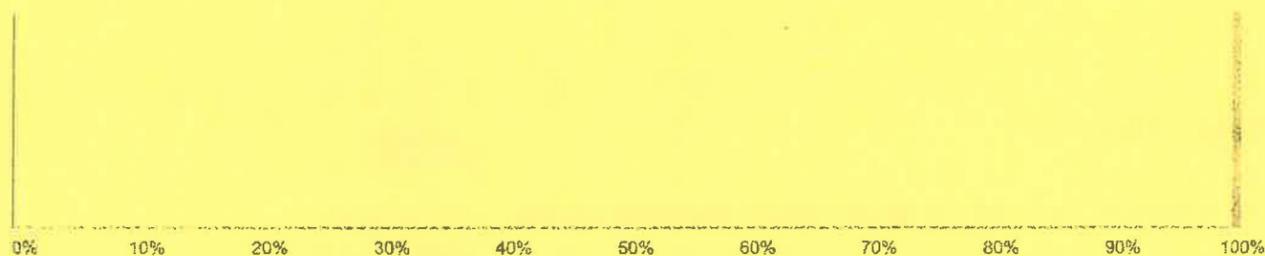|		
Ungraded answers	131 respondents	100 %

Quiz Summary

Section Filter ▾   ▥ Student Analysis   ▥ Item Analysis

⊔ Average Score	⬈ High Score	⬊ Low Score	⊘ Standard Deviation	⊙ Average Time
100%	100%	100%	0.00	00:31

0%   10%   20%   30%   40%   50%   60%   70%   80%   90%   100%

Question Breakdown

Attempts: 129 out of 129

-0.00

1. You have test anxiety.

Discrimination Index ⑦

True	112 respondents	87 %
False	17 respondents	13 %

87% answered correctly

Quiz Summary

Section Filter ▾   🔲 Student Analysis   🔲 Item Analysis

ⓤ Average Score	ⓐ High Score	ⓢ Low Score	ⓞ Standard Deviation	ⓣ Average Time
100%	100%	100%	0.00	03:48

0%	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%
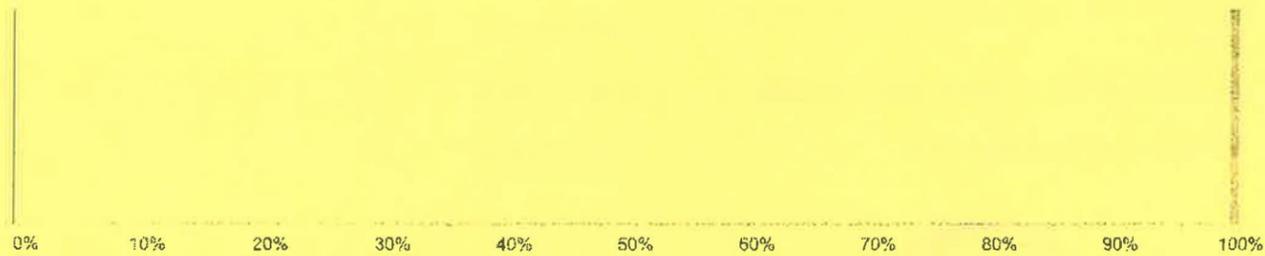
Question Breakdown

Attempts: 126 out of 126

-0.00

1. Which of the following is taught in this video?

Discrimination Index ⓘ

Do the hard questions first to get them out of the way.	14 respondents	11 %	✓
Guess different answers on the multiple-choice questions for a higher chance of getting them right.	11 respondents	9 %	
Take the test multiple times if possible.	76 respondents	60 %	
Never change your answers.	25 respondents	20 %	

12%
answered
correctly
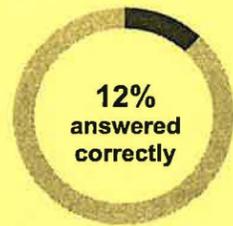
Attempts: 125 out of 126

-0.00

4. You found this video clear and easy to understand.   Discrimination
Index ⑦

strongly agree	49 respondents	**39** %	✓
agree	62 respondents	49 %	
neither agree nor disagree	13 respondents	10 %	
disagree	1 respondents	1 %	
strongly disagree		0 %	
No Answer	1 respondents	1 %	

39%
answered
correctly
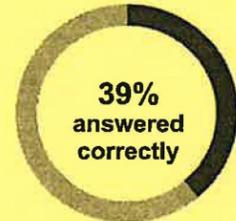
Attempts: 125 out of 126

-0.00

5. You learned _____ new information in this video.   Discrimination
Index ⑦

|			
many	52 respondents	**41** %	✓
some	61 respondents	48 %	
a little	11 respondents	9 %	
no	1 respondents	1 %	
No Answer	1 respondents	1 %	

37%
answered
correctly

Attempts: 124 out of 126

8. I will apply or have already been applying the strategies mentioned in this video when studying.

-0.00

Discrimination
Index ⓘ

strongly agree	52 respondents	**41** %	✓
agree	61 respondents	48 %	
neither agree or disagree	10 respondents	8 %	
disagree	1 respondents	1 %	
strongly disagree		0 %	
No Answer	2 respondents	2 %	

41%
answered
correctly

Attempts: 121 out of 126

9. Please list what you like about this video:

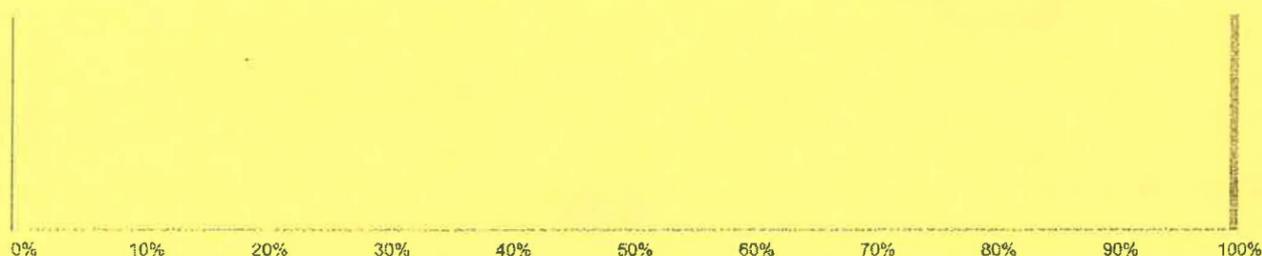|		
Ungraded answers	126 respondents	100 %

Quiz Summary

Section Filter ▾　　　📊 Student Analysis　　　📊 Item Analysis

ᵘ Average Score	⁊ High Score	ᵥ Low Score	σ Standard Deviation	🕘 Average Time
100%	100%	100%	0.00	00:28

0%　　10%　　20%　　30%　　40%　　50%　　60%　　70%　　80%　　90%　　100%
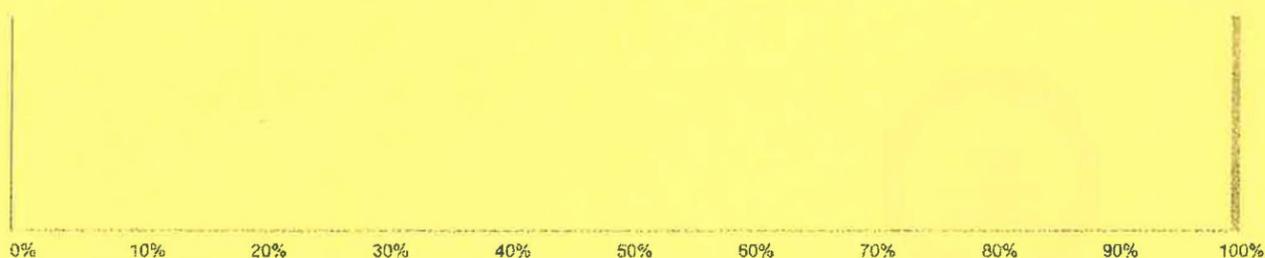
Question Breakdown

Attempts: 126 out of 126

1. After the test is returned, you usually only look at the questions your got wrong.

-0.00

Discrimination
Index ⑦

| **True** | 92 respondents | 73 % | ✓ |
| **False** | 34 respondents | 27 % | |

Quiz Summary

Section Filter ▾   📊 Student Analysis   📊 Item Analysis

ⓜ Average Score	ⓗ High Score	ⓛ Low Score	ⓢ Standard Deviation	ⓣ Average Time
100%	100%	100%	0.00	15:09

0%   10%   20%   30%   40%   50%   60%   70%   80%   90%   100%
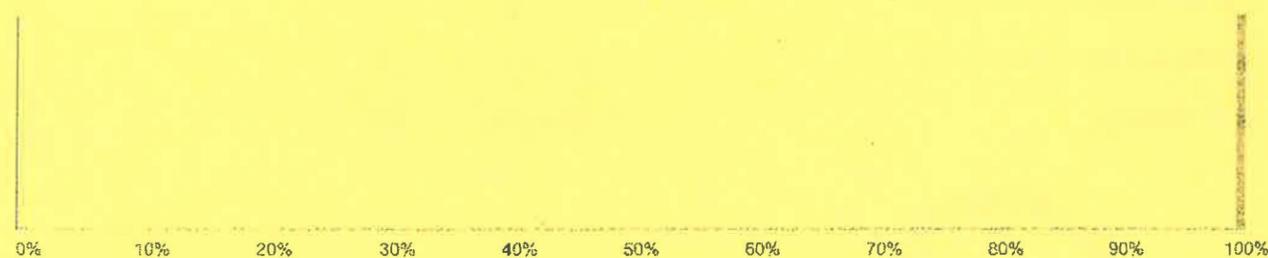
Question Breakdown

Attempts: 129 out of 129   **-0.00**

1. According to this video, to stop procrastination, _____.   Discrimination Index ⓘ

break the big chapter into smaller topics	122 respondents	95 %
fly through the entire chapter in one sitting	3 respondents	2 %
convince yourself to do it fast to be done		0 %
ask a friend to study with you	4 respondents	3 %

47% answered correctly

Attempts: 128 out of 129   **-0.00**

4. You found this video clear and easy to understand.

Discrimination Index ⑦

strongly agree	46 respondents	**36** %	✓
agree	71 respondents	55 %	
neither agree nor disagree	9 respondents	7 %	
disagree	2 respondents	2 %	
strongly disagree		0 %	
No Answer	1 respondents	1 %	
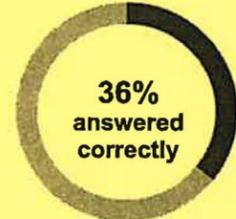
36% answered correctly

Attempts: 128 out of 129   **-0.00**

5. You learned _____ new information in this video.

Discrimination Index ⑦

many	47 respondents	**36** %	✓
some	64 respondents	50 %	
a little	16 respondents	12 %	
no	1 respondents	1 %	
No Answer	1 respondents	1 %	

34%
answered
correctly

Attempts: 128 out of 129

8. I will apply or have already been applying the strategies mentioned in this video when studying.

-0.00

Discrimination
Index ⑦

strongly agree	41 respondents	32 %	✓
agree	64 respondents	50 %	
neither agree or disagree	21 respondents	16 %	
disagree	2 respondents	2 %	
strongly disagree		0 %	
No Answer	1 respondents	1 %	

32%
answered
correctly

Attempts: 124 out of 129

9. Please list what you like about this video:

| Ungraded answers | 129 respondents | 100 % |

Quiz Summary

Section Filter ▾   📊 Student Analysis   📊 Item Analysis

⊕ Average Score	⊘ High Score	⊘ Low Score	⊚ Standard Deviation	🕓 Average Time
100%	100%	100%	0.00	00:31

0% 10% 20% 30% 40% 50% 60% 70% 80% 90% 100%
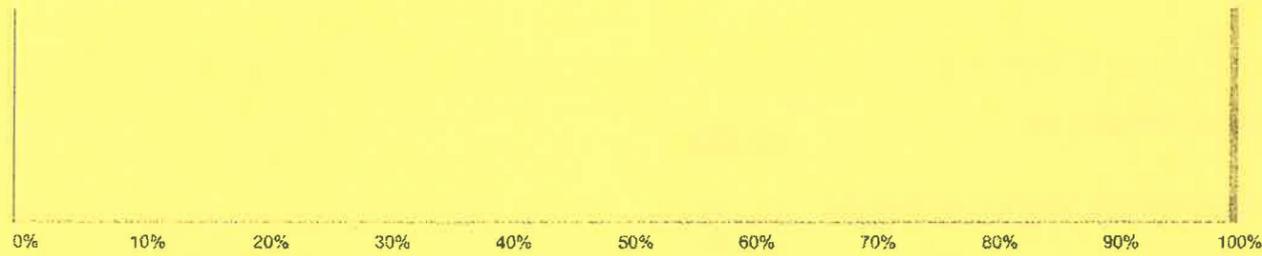
Question Breakdown

Attempts: 128 out of 128

-0.00

1. You want to know the meaning of life.   Discrimination Index ⑦

True	113 respondents	**88** %
False	15 respondents	12 %

88% answered correctly

Quiz Summary

ᵘ Average Score	⌀ High Score	⌄ Low Score	σ Standard Deviation	⏱ Average Time
100%	100%	100%	0.00	39:16

0%   10%   20%   30%   40%   50%   60%   70%   80%   90%   100%
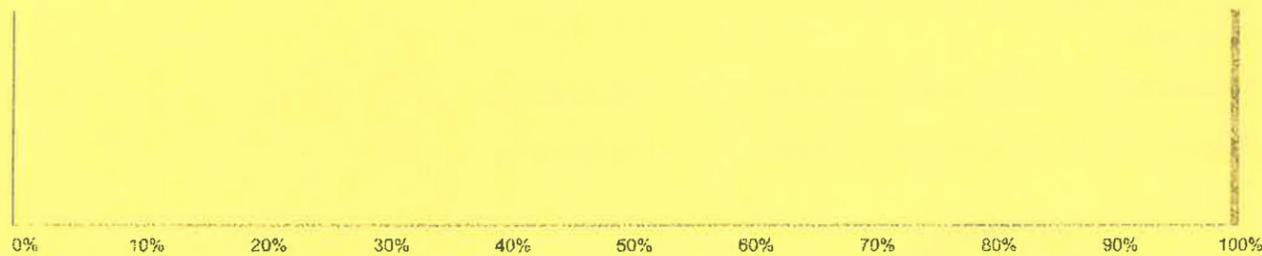
Question Breakdown

Attempts: 129 out of 129

-0.00

1. Which of the following is recommended according to this video?

Discrimination Index ⑦

Talk to many people, especially those who have nothing to gain from you, before defining your "truth".	97 respondents	75 %
Learn as much as you can when you are young because an old brain works slowly.	11 respondents	9 %
Focus only on your strengths, not your weaknesses, because the weaknesses will bring you down.	19 respondents	15 %
Never admit it is your fault because this is a sign of weakness.	2 respondents	2 %

38%
answered
correctly

Attempts: 128 out of 129

-0.00

4. You found this video clear and easy to understand.   Discrimination Index ⑦

strongly agree	68 respondents	**53** %
agree	53 respondents	41 %
neither agree nor disagree	7 respondents	5 %
disagree		0 %
strongly disagree		0 %
No Answer	1 respondents	1 %
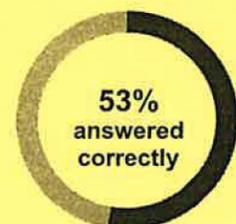
53%
answered
correctly

Attempts: 128 out of 129

-0.00

5. You learned _____ new information in this video.   Discrimination Index ⑦

many	56 respondents	**43** %
some	58 respondents	45 %
a little	13 respondents	10 %
no	1 respondents	1 %
No Answer	1 respondents	1 %

44%
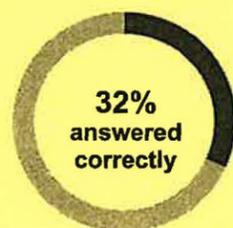**answered**
correctly

Attempts: 128 out of 129

8. I will apply or have already been applying the strategies mentioned in this video when studying.

-0.00

Discrimination
Index ⑦

strongly agree	58 respondents	**45** %
agree	59 respondents	46 %
neither agree or disagree	11 respondents	9 %
disagree		0 %
strongly disagree		0 %
No Answer	1 respondents	1 %

45%
answered
correctly
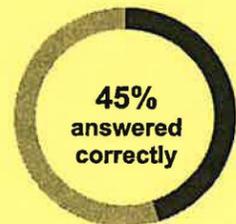
Attempts: 123 out of 129

9. Please list what you like about this video:

Ungraded answers	129 respondents	100 %

Video 1

9) Likes		10) Improvements	n = 206
lesson	36	no response	26
animation matching text	24	nothing to change	116
visuals	26	updated animation, corny	13
entertaining, interesting, engaging	19	background music/noise distracting	2
neuroplasticity	19	too animated, like a cartoon	4
clear and short, to the point, organized	81	too slow, long, and indirect, boring	5
"Brain Rules" to keep interested	6	voice is odd, words spaced out	
encourages self-improvement	13	voice is too choppy, sounds like static/distortion, boring	7
helpful to prepare w/ good habits before class starts	4	more jokes	
no multitasking	21	common sense info given(nothing new)	5
change old habits for new ones	4	more details, more contents	2
learned new word	2	less bland	2
lots of info		more animation	
good examples	2	consistent style of animation	2
family, friends, work affect grades	2	less images, too distracting	3
funny	4	stronger hook to draw people more	
energy	2	too fast b/c can't read fast enough (deaf/ESL)	3
start strong to get an A	3	question has grammatical errors	
good summary of problems and how to fix them		offer studying resources	
honest	4	too much info, less words	2
positve	4	too childish	3
practice makes perfect		"work" can affect grades discouraging to those who have to work	
		frineds & family can affect grades = not true	
		creepy pictures	
		bigger font	
		better quality	2
		center font horiz & vertically	2
		more entertaining	
		explain neuroplasticity more	
		too short	
		audio improvement	3
		disagree with not multitasking	
		very repetitive	
		summary at the end	
		outline at the beginning	

Video 2

9) Likes		10) Improvements	n = 194
lesson-reading	84	no response	43
lesson-breaks in betweeen class, picking class	18	nothing to change	136
clear	22	too long, monotonous	2
short	14	more jokes	
visual	4	more informative	
highlighting not effective if excessive	6	unrealistic b/c there may be no choice in class	
review syllabus before class	4	too complicated study technique	
useful	39	background music, childish	3
text underlined	2	too short, more details on how to do it, reading	10
subtitles	2	pictures distracting	2
bettter audio	4	better graphics	
study in short spurts	6	how to find former students	
prepare for first day	4	review at end of video	2
music upbeat	2	too fast	6
nothing		corny	
everything	2	animation	2
interesting		more strategies	
good examples		too obvious	
reminder	5	robotic voice	
brain rules			
meaning behind video			

Video 3

9) Likes		10) Improvements	n = 187
study before lecture	5	no response	47
break activities	54	nothing to change	121
to the point	4	brain rule	7
everything	15	animation	6
clear	23	too long	12
sleep	12	audio	
visual	9	jokes	
helpful	23	more examples	2
encouragement		too fast	3
focus & diffused learning	8	hw to avoid distractions	
brain info	7	some confusion	
interesting	4	repetitive	2
study habits/tips	21	change voice	
healthy lifestyle		add more study tips	3
brain rule	5	summary at the end	
excitement in voice		bigger font	
not too long	4	too much animation	2
bold font		corny	
		diffuse vs. focus learning not necessary, diffuse explanation	
		too many words	
		more on types of learning	
		how to stay focused during lecture	

Video 4

9) Likes		10) Improvements	n = 187
office hrs	43	no response	50
note-taking	17	nothing to change	121
straight to the point	11	animation	4
everything	9	too many brain rules	3
simple, clear	23	add tips on study groups	
study tips	8	how to stay awake in lecture	
attendance	9	length	
chair location	5	comfy with own style of note-taking	2
listening to lecture	17	more engaging	2
visuals	5	jokes	
letters of rec	2	more examples	
helpful	28	too long	4
brain rules	2	eating snacks is ok	2
interesting		getting help from former students	
value of lecture	6	encourage more note-taking	2
no multitasking/eating	4	already know	2
taking pix of board	2	**don't allow pix of board/better to copy by hand**	6
bold text		bigger font	
pre-lecture preview	2	too many animations	
make your own study guide	2	corny	
		how to deal with prof who don't care	
		repetitive	2
		too fast, review at end	
		distractions? Animation	
		ask classmate ? OUTSIDE of class	2
		don't cross out excess info	
		what if you cannot go to office hrs	

Video 5

9) Likes		10) Improvements	n = 137
good tips to memorize	51	no response	94
acrostic & acronym	5	nothing to change	61
note cards	38	too long	44
everything	10	too obvious	2
cranial nerves, anatomy	2	confusing, too much going on, story, last 2	13
drawing pix		no interest in one technique	
fun		flashcards take too much time	
visuals	3	adding more techniques	
clear& simple	8	animations	3
brain rules	3	brain rule	
association		background music distracting	
remembers unusual things		too slow	
examples	4	repetitive examples	
rule of 7	4		
creative	5		
review in 24 hrs			
not boring			

Video 6

9) Likes		10) Improvements	n = 131
good tips	40	no response	99
practice makes perfect		nothing	95
everything	13	not as attention-keeping	
ok		beats around the bush	
sleep	22	define outputting vs inputting	2
prioritize topics to study	2	too long (on sleep)	7
study with others		what to do if there are topics to cover the night before test	
test anxiety strategies		some techniques too time consuming	2
brain facts	2	too rushed	
clear and simple	11	more strategies	2
study group		animation	
outputting	13	not all give practice test	
images	3	study 4 hrs before exam?	
audio		more animation in voice	
text		brain rule	
practice test & labeling		transitions of slides too slow	
length is perfect, not too long	6	cramming is helpful if you have been studying along the way	
don't cram		video harder to follow	
brain rule	3	too much info	
prediction what's on test	2	how brain is when tired	
entertaining and out of the box advice			
mind mapping			

Video 7

9) Likes		10) Improvements	n = 126
before test tips	7	no response	103
test tips	31	nothing	74
everything	11	not ideal to take test 4 times	5
tips on practicum	10	length, too long	18
good	13	confusing	2
entertaining	2	more tips	2
guessing tips	15	some prof not ok w/ renumbering	
reduce stress	15	not writing in scantron as you go	
clear	6	how to cope with stress	
time management during test	6	animation	
format and flow chart		brain rule	
not too long, short & concise	3	closing review	
visual	5	tips for essay question	
keep daily routine		include other types of lab exams	
		more on guessing	
		tips on practicum confusing	
		long title on each slide	
		"logic" was confusing	
		repetitive	
		unnecessary tips	
		too many tips	

Video 8

9) Likes		10) Improvements	n = 129
good tips on wrong? And how to study	2	no response	100
look at correct answers	3	nothing	97
length	3	animation	4
everything	10	some teachers aren't willing to sit & answer ?	2
short, clear, & to the point	11	how it was explained	
good info	55	more examples	4
new way to take notes		no time to record data for each ?	
new study strategies		more on procrastination	2
chart helpful to study for future exams	13	offer a link for students to print chart	2
check all answers		don't understand some parts	
keeping track of tet grades		too many animations	
looking over exam quickly		how to balance inputting new info w/ old info	
procrastination	3	needs new info, have not heard of	
animation helpful	2	include multiple stages for post-test analysis	
already doing this		don't look at what you got wrong, just wait for it to be returned	
different types of mistakes		make it longer	
entertaining		info a bit general	
how it was structured		contradictoryto 7 b/c it's not about going to have fun after test	
fixing mistakes can help with next exam		takes too much time	
resting & rewarding self after exam			
learn from your mistake			
review after a test is returned	7		
take notes on what went wrong			

Video 9

9) Likes		10) Improvements	n = 129
everything	12	no response	101
great advice for living a happy life	43	nothing	112
appropriate topics	3	some videos were too long	
mistakes are good teachers	4	too long	
let go or adapt	4	unclear	
balance life	2	connect how habits learned in video can help w/ jobs	
thank you	many	animation	
video is fine		background music distracting	
inspirational, motivational, positive	19	too tacky	
clear, to the point	3	nothing wrong with perfection	
ways to improve learning			
great ending	8		
appreciate those around you	2	ask professor if I don't understand in class	
motivates to learn new things		don't like the last couple of question	2
relax			
work hard and be patient			
ok to make mistakes, we all do it			
miss brain rules			
interesting, thought provoking, enlightening	5		
accepts mistakes, don't blame others			
made me happy			
genuine and humble	4		
define your truth			
wise and experienced			
know my limits			
can't agree more			
make health and sleep a priority			
never stop learning			
shared what you have learned	2		
tell the truth			
very personal b/c directed to "you"			
change is within ourselves			
philosophical			
liked examples given			
attitude			

Appendix D

Final Survey Results-Chamberlain

Q1	m	2	m	3	m	4	m	5	m	6	m	7	m	8	m	9	m	10	11	12	13	Comments
1	2	1	2	1	2	1	4	1	4	1	4	1	4	1	4	1	4	SA	4	A	SA	
1	1	1	1	1	1	1	2	1	2	1	2	1	3	1	3	1	3	A	1	N	A	
1	2	1	2	1	2	1	2	1	2	1	4	1	4	1	4	1	4	A	4	A	A	rest, test anxiety, guessing
1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	2	1	2	A	4	A	A	
1	1	1	1	1	1	1	1	1	1									N	1	A	A	
1	1	1	1	1	1	1	1	1	4	1	4	1	4	1	4	1	4	N	1	D	A	already using other techniques, some of these are too complicated
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	N	1	N	N	
2	1	2	1	2	1	2	4	2	4	2	4	2	4	2	3	2	4	A	4	N	A	
2	4	2	4	2	4	2	4	2	4									D	1	N	A	D b/c started watching late in semester
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	4	A	A	
2	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	4	A	A	
1	1	1	1	1	1	1	2	1	2	1	3	1	3	1	3	1	3	A	1	N	A	N b/c stressful event in personal life
1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	SA	9	A	SA	
1	1	1	1	1	1	1	1	1	1	1	1	1	4	1	4	1	4	A	4	A	A	
1	1	1	1	1	1	1	1	1	3	2	3	2	3	2	3	2	3	A	4	A	A	
2	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	A	7	A	SA	
2	1	2	1	2	1	1	1	1	1	1	1	1	3	1	3	2	3	A	1	N	SA	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	N	N	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	4	SA	SA	
1	3	1	3	1	3	1	3	1	3	1	4	1	4	1	4	1	4	SA	7	A	A	
2	1	2	1	1	3	1	3	1	3	1	3	1	3	1	4	1	4	SA	4	SA	SA	
2	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	SA	4		SA	Started implementing techniques after 2nd exam
1	1	1	1	1	1	1	1	1	1	1	4	1	4	1	4	1	4	SA		SA	SA	Can't remember how many techniques, info useful for all STEM classes
1	1	1	1	1	1	1	1	1	1	1	1							A	1	A	SA	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	N	A	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	A	SA	Already using some techniques
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	N	1	A	A	
2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	A	1	A	A	
1		1		1		1		1		1		1						A	4	A	A	Now more efficient, formed study group, and visit office hrs
1	1	1	1	1	1	1	4	1	4	1	4	1	4	1	4	1	4	A	4	N	A	
1		1		1		1		1		1		1						SA	1	A	SA	
1	1	1	1	1	1	1	1	1	1	1	1	3	3	3	3	3	3	SA	7	A	SA	
1	1	1	1	1	1	1	1	1	3	1	3	1	3	1	4	1	4	A	7	SA	SA	
1		1		1		1		1		1		1						N	9	A	A	
1		1		1		1		1		1		1						A	4	A	SA	Same techniques are hard to complete, not realistic
1	1	1		1		1		1		1		1		1		1		N	1	N	N	
1	1	1	1	1	1	1	1	1	4	1	4	1	4	1	4	1	4	SA	9	A	SA	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	4	A	A	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	A	A	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	4	N	A	
1	3	1	3	1	3	1	3	1	3	1	3	1	3	1	3	1	3	D	1	D	D	Already knew about these techniques
1	1	1	1	1	1	1	1	1	1	1	2	1	3	1	3	1	3	A	4	A	A	
1	1	1	1	1	1	1	1	1	1	1	4	1	4	1	4	1	4	A	4	A	A	Already knew about these techniques, they do help
1	4	1	4	1	4	1	4	1	4	1	4	1	4	1	4	1	4	A	4	N	A	
1	4	1	4	1	4	1	4	1	4	1	4	1	4	1	4	1	4	A	1	A	SA	

Final Survey Results-Kido

Q1	m	2	m	3	m	4	m	5	m	6	m	7	m	8	m	9	m	10	11	12	13	
2	1	3	2	2	2	4	4	0	0	0	0	0	0	0	0	0		0 A	1	A	SA	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		1 A	1	A	A	useful/helpful study strategies
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		1 A	1	N	A	
1		1		1		1		1		1		1		1		1		A	7	N	A	
1	1	2	1	1	1	3	1	3	1	2	1	2	1	3	1	3		1 A	1	A	SA	
2	1	2	1	2	1	2	1											SA	4	SA	SA	
1	1	1	1	1	1	1	1											A	1	A	SA	
2		1		1		1		1		1		1		1		1		N	7	N	A	
1	1	1	1	1	1	1	1	1	2	1	2	1	2	1	2	1		2 A	1	N	N	
1	1	1	1	1	1	1	1	2	1	1	1	2	1	1	1	1		1 SA	7	SA	SA	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		1 A	7	N	A	
2	1	2	1	2	1	2	1											N	4	A	SA	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		1 A	4	A	A	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		1 N	4	N	N	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		1 A	4	N	A	
1	1	1	1	1	1	1	1											A	1	A	SA	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		1 SA	4	A	SA	show to incoming freshmen
1	1	1	1	1	1	1	1											A	1	A	A	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		1 SA	4	A	A	
1	2	1	2	1	2	1	2	1	2									A	4	A	N	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		1 A	1	A	A	
1		1		1		1		1		1		1		1		1		SA	7	SA	SA	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		1 N	1	N	A	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		1 A	1	A	A	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		1 SA	9	A	SA	
1	1	1	1	1	1	1	1	1	1	1	1							A	1	A	A	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		1 A	1	A	A	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		1 N	7	A	N	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		1 A	4	N	A	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		1 A	4	N	SA	
1	2	2	2	1	2	2	2	2	2	1	2	2	2	2	2	2		2 SA	7	SA	SA	
1	1	1	1	1	1	2	3	1	1	2	1	2	3	1	1	1		1 A	1	A	SA	
1	2	2	1	1	1	1	2	2	1	1	3	1	1	1	2	2		1 SA	7	SA	SA	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		1 SA	7	SA	SA	
2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2		1 N	4	A	A	
1	1	1	1	1	1	1	1	2	1	2	1	1	1	2	1	2		1 A	4	D	N	Didn't do well on exams
2+	1	2+	1	2+	1	2+	1	2+	1	2+	1	2+	1	2+	1	2+		1 A	4	A	A	Applying techniques made me more likely to study
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		1 N	4	N	A	Didn't change grade

Final Survey Results-Kakiba-Russell

Q1	m	2	m	3	m	4	m	5	m	6	m	7	m	8	m	9	m	10	11	12	13	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	SA	4	A	SA	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	N	1	N	N	
2	1	2	1	1	1													A	1	N	A	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	7	A	A	
1	1	1	1	2	1	1	1	1	1	1	1	2	1	2	1	1	1	A	9	A	SA	show to new college students
1.00		1		1		1		1		1		1		1		1		A	4	A	A	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	SA	4	A	SA	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	4	A	SA	
1	1	1	1	1	1	1	1	1	4	1	4	1	4	1	4	1	4	A	4	A	A	
1.5	1	1.5	1	1.5	1	1.5	1	1.5	1	1.5	1	1.5	1	1.5	1	1.5	1	A	1	N	A	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	N		N	A	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	N	4	N	A	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	N	4	N	N	
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	4	SA	SA	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	0	N	SA	lazy, don't like to study

m=month in semester when last seen video; 1 Feb&Mar, 2 Apr, 3 May, 4 June

Final Survey Results-Shannon

Q1	m	2	m	3	m	4	m	5	m	6	m	7	m	8	m	9	m	10	11	12	13	
3	4	2.50	4	2.50	4	2.50	4	2.50	4	2.50	4	2.50	4	2.50	4	2.50	4	SA	9	SA	SA	learned much, better retention, better on exams
1		1		1		1		1		1		1		1		1		A	7	N	A	grade stayed good
1	2	1	2	1	2	1	3	1	3	1	3	2	3	1	3	1	3	A	4	D	A	
1	4	2	4	1	4	1	4	1	4	1	4	1	4	1	4	1	4	A	4	A	SA	
1		1		1		1		1		1		1		1		1		A	7	A	SA	
1	4	1	4	1	4	1	4	1	4	1	4	1	4	1	4	1	4	N	1	D	SA	get nervous & get low scores
1	4	1	4	1	4	1	4	1	4	1	4	1	4	1	4	1	4	SA	4	A	SA	

m=month in semester when last seen video; 1 Feb&Mar, 2 Apr, 3 May, 4 June

Final Survey for EASSSE

Please answer to the best of your memory. Thank you for your participation. Return to your professor when you are done.

1. How many times did you watch video 1? __/__   When was the last time you saw video 1? _10 weeks_
2. How many times did you watch video 2? __/__   When was the last time you saw video 2? _10 weeks_
3. How many times did you watch video 3? __/__   When was the last time you saw video 3? _10 weeks_
4. How many times did you watch video 4? __/__   When was the last time you saw video 4? _10 weeks_
5. How many times did you watch video 5? __/__   When was the last time you saw video 5? _10 weeks_
6. How many times did you watch video 6? __/__   When was the last time you saw video 6? _today_
7. How many times did you watch video 7? __/__   When was the last time you saw video 7? _today_
8. How many times did you watch video 8? __/__   When was the last time you saw video 8? _today_
9. How many times did you watch video 9? __/__   When was the last time you saw video 9? _today_

10. These videos helped you in your studying.

   Strongly Agree   (Agree)   Neutral   Disagree   Strongly Disagree

   (If these videos were NOT helpful, please tell me why not...write on back side if you need more room.)

   I think that . . . (handwritten, illegible) . . . helpful

11. You have used __5__ techniques taught in these videos to study for your classes.

   more than 9   7-9   (4-6)   1-3   0

   (If you did NOT use any techniques, please tell me why not...write on back side if you need more room.)

12. Your grade improved by applying these techniques (mentioned in the last question).

   Strongly Agree   (Agree)   Neutral   Disagree   Strongly Disagree

   (If these techniques did NOT improve your grade, please tell me why not...write on back side if you need more room.)

13. You recommend these videos to other students.

   Strongly Agree   (Agree)   Neutral   Disagree   Strongly Disagree

Final Survey for EASSSE

Please answer to the best of your memory. Thank you for your participation. Return to your professor when you are done.

1. How many times did you watch video 1? __1__   When was the last time you saw video 1? __3 monts ago__
2. How many times did you watch video 2? __1__   When was the last time you saw video 2? __3 months ago__
3. How many times did you watch video 3? __1__   When was the last time you saw video 3? __3 months ago__
4. How many times did you watch video 4? __1__   When was the last time you saw video 4? __2 months ago__
5. How many times did you watch video 5? __1__   When was the last time you saw video 5? __2 months ago__
6. How many times did you watch video 6? __1__   When was the last time you saw video 6? __2 months ago__
7. How many times did you watch video 7? __1__   When was the last time you saw video 7? __1 month ago__
8. How many times did you watch video 8? __1__   When was the last time you saw video 8? __1 month ago__
9. How many times did you watch video 9? __1__   When was the last time you saw video 9? __1 month ago__

10. These videos helped you in your studying.

Strongly Agree   (Agree)   Neutral   Disagree   Strongly Disagree

(If these videos were NOT helpful, please tell me why not…write on back side if you need more room.)

11. You have used _____ techniques taught in these videos to study for your classes.

more than 9   7-9   4-6   (1-3)   0

(If you did NOT use any techniques, please tell me why not…write on back side if you need more room.)

12. Your grade improved by applying these techniques (mentioned in the last question).

Strongly Agree   Agree   (Neutral)   Disagree   Strongly Disagree

(If these techniques did NOT improve your grade, please tell me why not…write on back side if you need more room.)

13. You recommend these videos to other students.

Strongly Agree   (Agree)   Neutral   Disagree   Strongly Disagree

Final Survey for EASSSE

Please answer to the best of your memory. Thank you for your participation. Return to your professor when you are done.

1. How many times did you watch video 1? _____1_____   When was the last time you saw video 1? ___March___
2. How many times did you watch video 2? _____1_____   When was the last time you saw video 2? ___March___
3. How many times did you watch video 3? _____1_____   When was the last time you saw video 3? ___March___
4. How many times did you watch video 4? _____1_____   When was the last time you saw video 4? ___March___
5. How many times did you watch video 5? _____1_____   When was the last time you saw video 5? ___March___
6. How many times did you watch video 6? _____1_____   When was the last time you saw video 6? ___March___
7. How many times did you watch video 7? _____1_____   When was the last time you saw video 7? ___March___
8. How many times did you watch video 8? _____1_____   When was the last time you saw video 8? ___March___
9. How many times did you watch video 9? _____1_____   When was the last time you saw video 9? ___March___

10. These videos helped you in your studying.

Strongly Agree   (Agree)   Neutral   Disagree   Strongly Disagree

(If these videos were NOT helpful, please tell me why not…write on back side if you need more room.)

11. You have used _____ techniques taught in these videos to study for your classes.

more than 9   7-9   4-6   (1-3)   0

(If you did NOT use any techniques, please tell me why not…write on back side if you need more room.)

12. Your grade improved by applying these techniques (mentioned in the last question).

Strongly Agree   Agree   (Neutral)   Disagree   Strongly Disagree

(If these techniques did NOT improve your grade, please tell me why not…write on back side if you need more room.)

13. You recommend these videos to other students.

Strongly Agree   (Agree)   Neutral   Disagree   Strongly Disagree

Final Survey for EASSSE

Please answer to the best of your memory. Thank you for your participation. Return to your professor when you are done.

1. How many times did you watch video 1? _once_   When was the last time you saw video 1? _week 1 of semester_

2. How many times did you watch video 2? _once_   When was the last time you saw video 2? _week 1 of semester_

3. How many times did you watch video 3? _once_   When was the last time you saw video 3? _week 1 of semester_

4. How many times did you watch video 4? _once_   When was the last time you saw video 4? _week 1 of semester_

5. How many times did you watch video 5? _once_   When was the last time you saw video 5? _about 2 days ago_

6. How many times did you watch video 6? _once_   When was the last time you saw video 6? _about 2 days ago_

7. How many times did you watch video 7? _once_   When was the last time you saw video 7? _about 2 days ago_

8. How many times did you watch video 8? _once_   When was the last time you saw video 8? _about 2 days ago_

9. How many times did you watch video 9? _once_   When was the last time you saw video 9? _about 2 days ago_

10. These videos helped you in your studying.

     Strongly Agree   Agree   (Neutral)   Disagree   Strongly Disagree

     (If these videos were NOT helpful, please tell me why not…write on back side if you need more room.)

11. You have used _1 - 3_ techniques taught in these videos to study for your classes.

     more than 9   7-9   4-6   (1-3)   0

     (If you did NOT use any techniques, please tell me why not…write on back side if you need more room.)

12. Your grade improved by applying these techniques (mentioned in the last question).

     Strongly Agree   Agree   Neutral   (Disagree)   Strongly Disagree

     (If these techniques did NOT improve your grade, please tell me why not…write on back side if you need more room.)

I have already been using other techniques that have worked for me and some of the techniques are a bit to much to implement in what I already have.

13. You recommend these videos to other students.

     Strongly Agree   (Agree)   Neutral   Disagree   Strongly Disagree

Final Survey for EASSSE

Please answer to the best of your memory. Thank you for your participation. Return to your professor when you are done.

1. How many times did you watch video 1? __2__	When was the last time you saw video 1? __Jan/Feb__
2. How many times did you watch video 2? __2__	When was the last time you saw video 2? __Jan/Feb__
3. How many times did you watch video 3? __2__	When was the last time you saw video 3? __Jan/Feb__
4. How many times did you watch video 4? __2__	When was the last time you saw video 4? __Jan/Feb__
5. How many times did you watch video 5? __2__	When was the last time you saw video 5? __3/4 weeks ago__
6. How many times did you watch video 6? __2__	When was the last time you saw video 6? __3/4 weeks ago__
7. How many times did you watch video 7? __2__	When was the last time you saw video 7? __3/4 weeks ago__
8. How many times did you watch video 8? __2__	When was the last time you saw video 8? __3/4 weeks ago__
9. How many times did you watch video 9? __2__	When was the last time you saw video 9? __3/4 weeks ago__

10. These videos helped you in your studying.

Strongly Agree   (Agree)   Neutral   Disagree   Strongly Disagree

(If these videos were NOT helpful, please tell me why not…write on back side if you need more room.)

11. You have used _____ techniques taught in these videos to study for your classes.

more than 9   7-9   (4-6)   1-3   0

(If you did NOT use any techniques, please tell me why not…write on back side if you need more room.)

12. Your grade improved by applying these techniques (mentioned in the last question).

Strongly Agree   Agree   (Neutral)   Disagree   Strongly Disagree

(If these techniques did NOT improve your grade, please tell me why not…write on back side if you need more room.)

13. You recommend these videos to other students.

Strongly Agree   (Agree)   Neutral   Disagree   Strongly Disagree

Final Survey for EASSSE

Please answer to the best of your memory. Thank you for your participation. Return to your professor when you are done.

1. How many times did you watch video 1? ___1___   When was the last time you saw video 1? ___March___
2. How many times did you watch video 2? ___1___   When was the last time you saw video 2? ___March___
3. How many times did you watch video 3? ___1___   When was the last time you saw video 3? ___March___
4. How many times did you watch video 4? ___1___   When was the last time you saw video 4? ___March___
5. How many times did you watch video 5? ___1___   When was the last time you saw video 5? ___March___
6. How many times did you watch video 6? ___1___   When was the last time you saw video 6? ___March___
7. How many times did you watch video 7? ___1___   When was the last time you saw video 7? ___March___
8. How many times did you watch video 8? ___1___   When was the last time you saw video 8? ___March___
9. How many times did you watch video 9? ___1___   When was the last time you saw video 9? ___March___

10. These videos helped you in your studying.

   Strongly Agree   (Agree)   Neutral   Disagree   Strongly Disagree

   (If these videos were NOT helpful, please tell me why not…write on back side if you need more room.)

11. You have used ___4___ techniques taught in these videos to study for your classes.

   more than 9   7-9   (4-6)   1-3   0

   (If you did NOT use any techniques, please tell me why not…write on back side if you need more room.)

12. Your grade improved by applying these techniques (mentioned in the last question).

   Strongly Agree   (Agree)   Neutral   Disagree   Strongly Disagree

   (If these techniques did NOT improve your grade, please tell me why not…write on back side if you need more room.)

13. You recommend these videos to other students.

   Strongly Agree   (Agree)   Neutral   Disagree   Strongly Disagree

Final Survey for EASSSE

Please answer to the best of your memory. Thank you for your participation. Return to your professor when you are done.

1. How many times did you watch video 1? __1__   When was the last time you saw video 1? __march__

2. How many times did you watch video 2? __1__   When was the last time you saw video 2? __march__

3. How many times did you watch video 3? __1__   When was the last time you saw video 3? __march__

4. How many times did you watch video 4? __1__   When was the last time you saw video 4? __march__

5. How many times did you watch video 5? __1__   When was the last time you saw video 5? __april__

6. How many times did you watch video 6? __1__   When was the last time you saw video 6? __april__

7. How many times did you watch video 7? __1__   When was the last time you saw video 7? __may__

8. How many times did you watch video 8? __1__   When was the last time you saw video 8? __may__

9. How many times did you watch video 9? __1__   When was the last time you saw video 9? __may__

10. These videos helped you in your studying.

   Strongly Agree   (Agree)   Neutral   Disagree   Strongly Disagree

   (If these videos were NOT helpful, please tell me why not...write on back side if you need more room.)

11. You have used __3__ techniques taught in these videos to study for your classes.

   more than 9   7-9   4-6   (1-3)   0

   (If you did NOT use any techniques, please tell me why not...write on back side if you need more room.)

12. Your grade improved by applying these techniques (mentioned in the last question).

   Strongly Agree   Agree   (Neutral)   Disagree   Strongly Disagree

   (If these techniques did NOT improve your grade, please tell me why not...write on back side if you need more room.)

   — due to stressful events throughout my own personal life

13. You recommend these videos to other students.

   Strongly Agree   (Agree)   Neutral   Disagree   Strongly Disagree

Final Survey for EASSSE

Please answer to the best of your memory. Thank you for your participation. Return to your professor when you are done.

1. How many times did you watch video 1? ___1___   When was the last time you saw video 1? *about 3 months ago*
2. How many times did you watch video 2? ___1___   When was the last time you saw video 2? *about 3 months ago*
3. How many times did you watch video 3? ___1___   When was the last time you saw video 3? *about 3 months ago*
4. How many times did you watch video 4? ___1___   When was the last time you saw video 4? *about 3 months ago*
5. How many times did you watch video 5? ___1___   When was the last time you saw video 5? *about 3 months ago*
6. How many times did you watch video 6? ___1___   When was the last time you saw video 6? *about 3 months ago*
7. How many times did you watch video 7? ___1___   When was the last time you saw video 7? *about 2 weeks ago*
8. How many times did you watch video 8? ___1___   When was the last time you saw video 8? *about 2 weeks ago*
9. How many times did you watch video 9? ___1___   When was the last time you saw video 9? *about 2 weeks ago*

10. These videos helped you in your studying.

Strongly Agree   (Agree)   Neutral   Disagree   Strongly Disagree

(If these videos were NOT helpful, please tell me why not...write on back side if you need more room.)

11. You have used _____ techniques taught in these videos to study for your classes.

more than 9   7-9   (4-6)   1-3   0

(If you did NOT use any techniques, please tell me why not...write on back side if you need more room.)

12. Your grade improved by applying these techniques (mentioned in the last question).

Strongly Agree   (Agree)   Neutral   Disagree   Strongly Disagree

(If these techniques did NOT improve your grade, please tell me why not...write on back side if you need more room.)

13. You recommend these videos to other students.

Strongly Agree   (Agree)   Neutral   Disagree   Strongly Disagree

Final Survey for EASSSE

Please answer to the best of your memory. Thank you for your participation. Return to your professor when you are done.

1. How many times did you watch video 1? _2_   When was the last time you saw video 1? _February 2017_
2. How many times did you watch video 2? _1_   When was the last time you saw video 2? _//_
3. How many times did you watch video 3? _1_   When was the last time you saw video 3? _//_
4. How many times did you watch video 4? _1_   When was the last time you saw video 4? _//_
5. How many times did you watch video 5? _1_   When was the last time you saw video 5? _March 2017_
6. How many times did you watch video 6? _2_   When was the last time you saw video 6? _//_
7. How many times did you watch video 7? _1_   When was the last time you saw video 7? _//_
8. How many times did you watch video 8? _1_   When was the last time you saw video 8? _//_
9. How many times did you watch video 9? _1_   When was the last time you saw video 9? _//_

10. These videos helped you in your studying.

   Strongly Agree   (Agree)   Neutral   Disagree   Strongly Disagree

   (If these videos were NOT helpful, please tell me why not...write on back side if you need more room.)

11. You have used _____ techniques taught in these videos to study for your classes.

   more than 9   (7-9)   4-6   1-3   0

   (If you did NOT use any techniques, please tell me why not...write on back side if you need more room.)

12. Your grade improved by applying these techniques (mentioned in the last question).

   Strongly Agree   (Agree)   Neutral   Disagree   Strongly Disagree

   (If these techniques did NOT improve your grade, please tell me why not...write on back side if you need more room.)

13. You recommend these videos to other students.

   (Strongly Agree)   Agree   Neutral   Disagree   Strongly Disagree

Final Survey for EASSSE

Please answer to the best of your memory. Thank you for your participation. Return to your professor when you are done.

1. How many times did you watch video 1? ___1___   When was the last time you saw video 1? _beginning of semester_
2. How many times did you watch video 2? ___1___   When was the last time you saw video 2? _beginning of semester_
3. How many times did you watch video 3? ___1___   When was the last time you saw video 3? _beginning of semester_
4. How many times did you watch video 4? ___1___   When was the last time you saw video 4? _beginning of semester_
5. How many times did you watch video 5? ___1___   When was the last time you saw video 5? _beginning of semester_
6. How many times did you watch video 6? ___1___   When was the last time you saw video 6? _beginning of semester_
7. How many times did you watch video 7? ___1___   When was the last time you saw video 7? _beginning of semester_
8. How many times did you watch video 8? ___1___   When was the last time you saw video 8? _beginning of semester_
9. How many times did you watch video 9? ___1___   When was the last time you saw video 9? _beginning of semester_

10. These videos helped you in your studying.

   Strongly Agree   (Agree)   Neutral   Disagree   Strongly Disagree

   (If these videos were NOT helpful, please tell me why not…write on back side if you need more room.)

11. You have used _____ techniques taught in these videos to study for your classes.

   more than 9   7-9   4-6   (1-3)   0

   (If you did NOT use any techniques, please tell me why not…write on back side if you need more room.)

12. Your grade improved by applying these techniques (mentioned in the last question).

   Strongly Agree   Agree   (Neutral)   Disagree   Strongly Disagree

   (If these techniques did NOT improve your grade, please tell me why not…write on back side if you need more room.)

13. You recommend these videos to other students.

   Strongly Agree   Agree   (Neutral)   Disagree   Strongly Disagree

Final Survey for EASSSE

Please answer to the best of your memory. Thank you for your participation. Return to your professor when you are done.

1. How many times did you watch video 1? __2__   When was the last time you saw video 1? __~ 2 months__
2. How many times did you watch video 2? __1__   When was the last time you saw video 2? __~2 months__
3. How many times did you watch video 3? __1__   When was the last time you saw video 3? __~ 2 months__
4. How many times did you watch video 4? __1__   When was the last time you saw video 4? __~ 2 months ago__
5. How many times did you watch video 5? __1__   When was the last time you saw video 5? __~ 2 months ago__
6. How many times did you watch video 6? __2__   When was the last time you saw video 6? __~2 weeks ago__
7. How many times did you watch video 7? __2__   When was the last time you saw video 7? __~1 week ago__
8. How many times did you watch video 8? __2__   When was the last time you saw video 8? __~1 week ago__
9. How many times did you watch video 9? __2__   When was the last time you saw video 9? __~1 week ago__

10. These videos helped you in your studying.

(Strongly Agree)   Agree   Neutral   Disagree   Strongly Disagree

(If these videos were NOT helpful, please tell me why not...write on back side if you need more room.)

11. You have used _____ techniques taught in these videos to study for your classes.

more than 9   (7-9)   4-6   1-3   0

(If you did NOT use any techniques, please tell me why not...write on back side if you need more room.)

12. Your grade improved by applying these techniques (mentioned in the last question).

Strongly Agree   (Agree)   Neutral   Disagree   Strongly Disagree

(If these techniques did NOT improve your grade, please tell me why not...write on back side if you need more room.)

13. You recommend these videos to other students.

Strongly Agree   (Agree)   Neutral   Disagree   Strongly Disagree

Final Survey for EASSSE

Please answer to the best of your memory. Thank you for your participation. Return to your professor when you are done.

1. How many times did you watch video 1? __2__   When was the last time you saw video 1? _Day Before class started_
2. How many times did you watch video 2? __2__   When was the last time you saw video 2? _Day Before class started_
3. How many times did you watch video 3? __1__   When was the last time you saw video 3? _Day Before class started_
4. How many times did you watch video 4? __1__   When was the last time you saw video 4? _Day Before class started_
5. How many times did you watch video 5? __1__   When was the last time you saw video 5? _Day Before class started_
6. How many times did you watch video 6? __1__   When was the last time you saw video 6? _Day Before class started_
7. How many times did you watch video 7? __1__   When was the last time you saw video 7? _Day Before class started_
8. How many times did you watch video 8? __1__   When was the last time you saw video 8? _Day Before class started_
9. How many times did you watch video 9? __1__   When was the last time you saw video 9? _Day Before class started_

10. These videos helped you in your studying.

   (Strongly Agree)   Agree   Neutral   Disagree   Strongly Disagree

   (If these videos were NOT helpful, please tell me why not…write on back side if you need more room.)

11. You have used __4-6__ techniques taught in these videos to study for your classes.

   more than 9   7-9   (4-6)   1-3   0

   (If you did NOT use any techniques, please tell me why not…write on back side if you need more room.)

12. Your grade improved by applying these techniques (mentioned in the last question).

   Strongly Agree   Agree   Neutral   Disagree   Strongly Disagree

   (If these techniques did NOT improve your grade, please tell me why not…write on back side if you need more room.)

   I started implimenting these techniques after the second exam.

13. You recommend these videos to other students.

   (Strongly Agree)   Agree   Neutral   Disagree   Strongly Disagree

Final Survey for EASSSE

Please answer to the best of your memory. Thank you for your participation. Return to your professor when you are done.

1. How many times did you watch video 1? ____1____   When was the last time you saw video 1? _MArch 2017_
2. How many times did you watch video 2? ____1____   When was the last time you saw video 2? _____
3. How many times did you watch video 3? ____1____   When was the last time you saw video 3? _____
4. How many times did you watch video 4? ____1____   When was the last time you saw video 4? _____
5. How many times did you watch video 5? ____1____   When was the last time you saw video 5? _____
6. How many times did you watch video 6? ____/____   When was the last time you saw video 6? _____
7. How many times did you watch video 7? _____   When was the last time you saw video 7? _____
8. How many times did you watch video 8? _____   When was the last time you saw video 8? _____
9. How many times did you watch video 9? _____   When was the last time you saw video 9? _____

10. These videos helped you in your studying.

    Strongly Agree   (Agree)   Neutral   Disagree   Strongly Disagree

    (If these videos were NOT helpful, please tell me why not…write on back side if you need more room.)

11. You have used _____ techniques taught in these videos to study for your classes.

    more than 9   7-9   4-6   (1-3)   0

    (If you did NOT use any techniques, please tell me why not…write on back side if you need more room.)

12. Your grade improved by applying these techniques (mentioned in the last question).

    Strongly Agree   (Agree)   Neutral   Disagree   Strongly Disagree

    (If these techniques did NOT improve your grade, please tell me why not…write on back side if you need more room.)

13. You recommend these videos to other students.

    (Strongly Agree)   Agree   Neutral   Disagree   Strongly Disagree

Final Survey for EASSSE

Please answer to the best of your memory. Thank you for your participation. Return to your professor when you are done.

1. How many times did you watch video 1? ___1___   When was the last time you saw video 1? __March__
2. How many times did you watch video 2? ___1___   When was the last time you saw video 2? __March__
3. How many times did you watch video 3? ___1___   When was the last time you saw video 3? __March__
4. How many times did you watch video 4? ___1___   When was the last time you saw video 4? __March__
5. How many times did you watch video 5? ___1___   When was the last time you saw video 5? __March__
6. How many times did you watch video 6? ___1___   When was the last time you saw video 6? __March__
7. How many times did you watch video 7? ___1___   When was the last time you saw video 7? __March__
8. How many times did you watch video 8? ___1___   When was the last time you saw video 8? __March__
9. How many times did you watch video 9? ___1___   When was the last time you saw video 9? __March__

10. These videos helped you in your studying.

Strongly Agree   (Agree)   Neutral   Disagree   Strongly Disagree

(If these videos were NOT helpful, please tell me why not…write on back side if you need more room.)

11. You have used _____ techniques taught in these videos to study for your classes.

more than 9   7-9   4-6   (1-3)   0

(If you did NOT use any techniques, please tell me why not…write on back side if you need more room.)

I already was using some of these techniques to study.

12. Your grade improved by applying these techniques (mentioned in the last question).

Strongly Agree   (Agree)   Neutral   Disagree   Strongly Disagree

(If these techniques did NOT improve your grade, please tell me why not…write on back side if you need more room.)

13. You recommend these videos to other students.

(Strongly Agree)   Agree   Neutral   Disagree   Strongly Disagree

Final Survey for EASSSE

Please answer to the best of your memory. Thank you for your participation. Return to your professor when you are done.

1. How many times did you watch video 1? _twice_   When was the last time you saw video 1? _March 10, 2017_
2. How many times did you watch video 2? _twice_   When was the last time you saw video 2? _3-10-17_
3. How many times did you watch video 3? _twice_   When was the last time you saw video 3? _3-10-17_
4. How many times did you watch video 4? _twice_   When was the last time you saw video 4? _3-10-17_
5. How many times did you watch video 5? _twice_   When was the last time you saw video 5? _3-10-17_
6. How many times did you watch video 6? _twice_   When was the last time you saw video 6? _3-10-17_
7. How many times did you watch video 7? _twice_   When was the last time you saw video 7? _3-10-17_
8. How many times did you watch video 8? _twice_   When was the last time you saw video 8? _3-10-17_
9. How many times did you watch video 9? _twice_   When was the last time you saw video 9? _3-10-17_

10. These videos helped you in your studying.

   Strongly Agree   (Agree)   Neutral   Disagree   Strongly Disagree

   (If these videos were NOT helpful, please tell me why not…write on back side if you need more room.)

11. You have used _____ techniques taught in these videos to study for your classes.

   more than 9   7-9   4-6   (1-3)   0

   (If you did NOT use any techniques, please tell me why not…write on back side if you need more room.)

12. Your grade improved by applying these techniques (mentioned in the last question).

   Strongly Agree   (Agree)   Neutral   Disagree   Strongly Disagree

   (If these techniques did NOT improve your grade, please tell me why not…write on back side if you need more room.)

13. You recommend these videos to other students.

   Strongly Agree   (Agree)   Neutral   Disagree   Strongly Disagree

Final Survey for EASSSE

Please answer to the best of your memory. Thank you for your participation. Return to your professor when you are done.

1. How many times did you watch video 1? __once__   When was the last time you saw video 1? __March__
2. How many times did you watch video 2? __once__   When was the last time you saw video 2? __March__
3. How many times did you watch video 3? __once__   When was the last time you saw video 3? __March.__
4. How many times did you watch video 4? __once__   When was the last time you saw video 4? __6/1/17__
5. How many times did you watch video 5? __once__   When was the last time you saw video 5? __6/1/17__
6. How many times did you watch video 6? __once__   When was the last time you saw video 6? __6/1/17__
7. How many times did you watch video 7? __once__   When was the last time you saw video 7? __6/1/17__
8. How many times did you watch video 8? __once__   When was the last time you saw video 8? __6/1/17__
9. How many times did you watch video 9? __once__   When was the last time you saw video 9? __6/1/17__

10. These videos helped you in your studying.

   Strongly Agree   (Agree)   Neutral   Disagree   Strongly Disagree

   (If these videos were NOT helpful, please tell me why not…write on back side if you need more room.)

11. You have used _____ techniques taught in these videos to study for your classes.

   more than 9   7-9   (4-6)   1-3   0

   (If you did NOT use any techniques, please tell me why not…write on back side if you need more room.)

12. Your grade improved by applying these techniques (mentioned in the last question).

   Strongly Agree   Agree   (Neutral)   Disagree   Strongly Disagree

   (If these techniques did NOT improve your grade, please tell me why not…write on back side if you need more room.)

13. You recommend these videos to other students.

   Strongly Agree   (Agree)   Neutral   Disagree   Strongly Disagree

Final Survey for EASSSE

Please answer to the best of your memory. Thank you for your participation. Return to your professor when you are done.

1. How many times did you watch video 1? _____1_____   When was the last time you saw video 1? __March__
2. How many times did you watch video 2? _____1_____   When was the last time you saw video 2? __March__
3. How many times did you watch video 3? _____1_____   When was the last time you saw video 3? __March__
4. How many times did you watch video 4? _____1_____   When was the last time you saw video 4? __March__
5. How many times did you watch video 5? _____1_____   When was the last time you saw video 5? __March__
6. How many times did you watch video 6? _____1_____   When was the last time you saw video 6? __March__
7. How many times did you watch video 7? _____3_____   When was the last time you saw video 7? __April__
8. How many times did you watch video 8? _____3_____   When was the last time you saw video 8? __April__
9. How many times did you watch video 9? _____3_____   When was the last time you saw video 9? __April__

10. These videos helped you in your studying.

    (Strongly Agree)   Agree   Neutral   Disagree   Strongly Disagree

    (If these videos were NOT helpful, please tell me why not...write on back side if you need more room.)

11. You have used _____ techniques taught in these videos to study for your classes.

    more than 9   **(7-9)**   4-6   1-3   0

    (If you did NOT use any techniques, please tell me why not...write on back side if you need more room.)

12. Your grade improved by applying these techniques (mentioned in the last question).

    Strongly Agree   **(Agree)**   Neutral   Disagree   Strongly Disagree

    (If these techniques did NOT improve your grade, please tell me why not...write on back side if you need more room.)

13. You recommend these videos to other students.

    (Strongly Agree)   Agree   Neutral   Disagree   Strongly Disagree

Final Survey for EASSSE

Please answer to the best of your memory. Thank you for your participation. Return to your professor when you are done.

1. How many times did you watch video 1? __1__   When was the last time you saw video 1? __1__
2. How many times did you watch video 2? __1__   When was the last time you saw video 2? __1__
3. How many times did you watch video 3? __1__   When was the last time you saw video 3? __1__
4. How many times did you watch video 4? __1__   When was the last time you saw video 4? __1__
5. How many times did you watch video 5? __1__   When was the last time you saw video 5? __1__
6. How many times did you watch video 6? __1__   When was the last time you saw video 6? __1__
7. How many times did you watch video 7? __1__   When was the last time you saw video 7? __1__
8. How many times did you watch video 8? __1__   When was the last time you saw video 8? __1__
9. How many times did you watch video 9? __1__   When was the last time you saw video 9? __1__

10. These videos helped you in your studying.

Strongly Agree   Agree   <u>Neutral</u>   Disagree   Strongly Disagree

(If these videos were NOT helpful, please tell me why not…write on back side if you need more room.)

11. You have used _____ techniques taught in these videos to study for your classes.

<u>more than 9</u>   7-9   4-6   1-3   0

(If you did NOT use any techniques, please tell me why not…write on back side if you need more room.)

12. Your grade improved by applying these techniques (mentioned in the last question).

Strongly Agree   <u>Agree</u>   Neutral   Disagree   Strongly Disagree

(If these techniques did NOT improve your grade, please tell me why not…write on back side if you need more room.)

13. You recommend these videos to other students.

Strongly Agree   <u>Agree</u>   Neutral   Disagree   Strongly Disagree

Final Survey for EASSSE

Please answer to the best of your memory. Thank you for your participation. Return to your professor when you are done.

1. How many times did you watch video 1? ___1___   When was the last time you saw video 1? __Before semester__
2. How many times did you watch video 2? ___1___   When was the last time you saw video 2? __During semester__
3. How many times did you watch video 3? ___1___   When was the last time you saw video 3? ___''___
4. How many times did you watch video 4? ___1___   When was the last time you saw video 4? ___''___
5. How many times did you watch video 5? ___1___   When was the last time you saw video 5? ___''___
6. How many times did you watch video 6? ___1___   When was the last time you saw video 6? ___''___
7. How many times did you watch video 7? ___1___   When was the last time you saw video 7? ___''___
8. How many times did you watch video 8? ___1___   When was the last time you saw video 8? ___''___
9. How many times did you watch video 9? ___1___   When was the last time you saw video 9? ___''___

10. These videos helped you in your studying.

Strongly Agree   Agree   (Neutral)   Disagree   Strongly Disagree

(If these videos were NOT helpful, please tell me why not…write on back side if you need more room.)

11. You have used _____ techniques taught in these videos to study for your classes.

more than 9   7-9   4-6   (1-3)   0

(If you did NOT use any techniques, please tell me why not…write on back side if you need more room.)

12. Your grade improved by applying these techniques (mentioned in the last question).

Strongly Agree   Agree   (Neutral)   Disagree   Strongly Disagree

(If these techniques did NOT improve your grade, please tell me why not…write on back side if you need more room.)

13. You recommend these videos to other students.

Strongly Agree   Agree   (Neutral)   Disagree   Strongly Disagree

Final Survey for EASSSE

Please answer to the best of your memory. Thank you for your participation. Return to your professor when you are done.

1. How many times did you watch video 1? ___1___   When was the last time you saw video 1? __3/21/17__
2. How many times did you watch video 2? ___1___   When was the last time you saw video 2? __3/21/17__
3. How many times did you watch video 3? ___1___   When was the last time you saw video 3? __3/21/17__
4. How many times did you watch video 4? ___1___   When was the last time you saw video 4? __3/21/17__
5. How many times did you watch video 5? ___1___   When was the last time you saw video 5? __3/21/17__
6. How many times did you watch video 6? ___1___   When was the last time you saw video 6? __3/25/17__
7. How many times did you watch video 7? ___1___   When was the last time you saw video 7? __3/25/17__
8. How many times did you watch video 8? ___1___   When was the last time you saw video 8? __3/25/17__
9. How many times did you watch video 9? ___1___   When was the last time you saw video 9? __3/25/17__

10. These videos helped you in your studying.

   Strongly Agree   (Agree)   Neutral   Disagree   Strongly Disagree

   (If these videos were NOT helpful, please tell me why not…write on back side if you need more room.)

11. You have used _____ techniques taught in these videos to study for your classes.

   more than 9   7-9   (4-6)   1-3   0

   (If you did NOT use any techniques, please tell me why not…write on back side if you need more room.)

12. Your grade improved by applying these techniques (mentioned in the last question).

   Strongly Agree   (Agree)   Neutral   Disagree   Strongly Disagree

   (If these techniques did NOT improve your grade, please tell me why not…write on back side if you need more room.)

13. You recommend these videos to other students.

   (Strongly Agree)   Agree   Neutral   Disagree   Strongly Disagree

Final Survey for EASSSE

Please answer to the best of your memory. Thank you for your participation. Return to your professor when you are done.

1. How many times did you watch video 1? __1__   When was the last time you saw video 1? __feb 26__
2. How many times did you watch video 2? __1__   When was the last time you saw video 2? __feb 26__
3. How many times did you watch video 3? __1__   When was the last time you saw video 3? __feb 26__
4. How many times did you watch video 4? __1__   When was the last time you saw video 4? __Feb 26__
5. How many times did you watch video 5? __1__   When was the last time you saw video 5? __Feb 26__
6. How many times did you watch video 6? __1__   When was the last time you saw video 6? __Feb 26__
7. How many times did you watch video 7? __1__   When was the last time you saw video 7? __Feb 26__
8. How many times did you watch video 8? __1__   When was the last time you saw video 8? __Feb 26__
9. How many times did you watch video 9? __1__   When was the last time you saw video 9? __Feb 26__

10. These videos helped you in your studying.

    Strongly Agree   (Agree)   Neutral   Disagree   Strongly Disagree

    (If these videos were NOT helpful, please tell me why not...write on back side if you need more room.)

11. You have used __4-6__ techniques taught in these videos to study for your classes.

    more than 9   7-9   (4-6)   1-3   0

    (If you did NOT use any techniques, please tell me why not...write on back side if you need more room.)

12. Your grade improved by applying these techniques (mentioned in the last question).

    Strongly Agree   Agree   (Neutral)   Disagree   Strongly Disagree

    (If these techniques did NOT improve your grade, please tell me why not...write on back side if you need more room.)

13. You recommend these videos to other students.

    Strongly Agree   (Agree)   Neutral   Disagree   Strongly Disagree

due Monday

Final Survey for EASSSE

Please answer to the best of your memory. Thank you for your participation. Return to your professor when you are done.

1. How many times did you watch video 1? __1__   When was the last time you saw video 1? __march__
2. How many times did you watch video 2? __1__   When was the last time you saw video 2? __march__
3. How many times did you watch video 3? __1__   When was the last time you saw video 3? __April__
4. How many times did you watch video 4? __1__   When was the last time you saw video 4? __April__
5. How many times did you watch video 5? __1__   When was the last time you saw video 5? __April__
6. How many times did you watch video 6? __1__   When was the last time you saw video 6? __May__
7. How many times did you watch video 7? __1__   When was the last time you saw video 7? __May__
8. How many times did you watch video 8? __1__   When was the last time you saw video 8? __May__
9. How many times did you watch video 9? __1__   When was the last time you saw video 9? __May__

10. These videos helped you in your studying.

   Strongly Agree   (Agree)   Neutral   Disagree   Strongly Disagree

   (If these videos were NOT helpful, please tell me why not...write on back side if you need more room.)

11. You have used _____ techniques taught in these videos to study for your classes.

   more than 9   7-9   (4-6)   1-3   0

   (If you did NOT use any techniques, please tell me why not...write on back side if you need more room.)

12. Your grade improved by applying these techniques (mentioned in the last question).

   Strongly Agree   (Agree)   Neutral   Disagree   Strongly Disagree

   (If these techniques did NOT improve your grade, please tell me why not...write on back side if you need more room.)

13. You recommend these videos to other students.

   Strongly Agree   (Agree)   Neutral   Disagree   Strongly Disagree

Final Survey for EASSSE

Please answer to the best of your memory. Thank you for your participation. Return to your professor when you are done.

1. How many times did you watch video 1? __1__   When was the last time you saw video 1? ~~(20)~~ 05/26/17
2. How many times did you watch video 2? __1__   When was the last time you saw video 2? __05/26/17__
3. How many times did you watch video 3? __1__   When was the last time you saw video 3? __05/26/17__
4. How many times did you watch video 4? __1__   When was the last time you saw video 4? __05/26/17__
5. How many times did you watch video 5? __1__   When was the last time you saw video 5? __05/26/17__
6. How many times did you watch video 6? __1__   When was the last time you saw video 6? __05/27/17__
7. How many times did you watch video 7? __1__   When was the last time you saw video 7? __05/27/17__
8. How many times did you watch video 8? __1__   When was the last time you saw video 8? __05/27/17__
9. How many times did you watch video 9? __1__   When was the last time you saw video 9? __05/27/17__

10. These videos helped you in your studying.

   Strongly Agree   (Agree)   Neutral   Disagree   Strongly Disagree

   (If these videos were NOT helpful, please tell me why not…write on back side if you need more room.)

11. You have used __4-6__ techniques taught in these videos to study for your classes.

   more than 9   7-9   (4-6)   1-3   0

   (If you did NOT use any techniques, please tell me why not…write on back side if you need more room.)

12. Your grade improved by applying these techniques (mentioned in the last question).

   Strongly Agree   Agree   (Neutral)   Disagree   Strongly Disagree

   (If these techniques did NOT improve your grade, please tell me why not…write on back side if you need more room.)

13. You recommend these videos to other students.

   Strongly Agree   (Agree)   Neutral   Disagree   Strongly Disagree

Final Survey for EASSSE

Please answer to the best of your memory. Thank you for your participation. Return to your professor when you are done.

1. How many times did you watch video 1? ___1___   When was the last time you saw video 1? ___6/4___
2. How many times did you watch video 2? ___1___   When was the last time you saw video 2? ___6/4___
3. How many times did you watch video 3? ___1___   When was the last time you saw video 3? ___6/4___
4. How many times did you watch video 4? ___1___   When was the last time you saw video 4? ___6/4___
5. How many times did you watch video 5? ___1___   When was the last time you saw video 5? ___6/4___
6. How many times did you watch video 6? ___1___   When was the last time you saw video 6? ___6/4___
7. How many times did you watch video 7? ___1___   When was the last time you saw video 7? ___6/4___
8. How many times did you watch video 8? ___1___   When was the last time you saw video 8? ___6/4___
9. How many times did you watch video 9? ___1___   When was the last time you saw video 9? ___6/4___

10. These videos helped you in your studying.

Strongly Agree   Agree   (Neutral)   Disagree   Strongly Disagree

(If these videos were NOT helpful, please tell me why not…write on back side if you need more room.)

11. You have used _____ techniques taught in these videos to study for your classes.

more than 9   7-9   4-6   (1-3)   0

(If you did NOT use any techniques, please tell me why not…write on back side if you need more room.)

12. Your grade improved by applying these techniques (mentioned in the last question).

Strongly Agree   Agree   (Neutral)   Disagree   Strongly Disagree

(If these techniques did NOT improve your grade, please tell me why not…write on back side if you need more room.)

13. You recommend these videos to other students.

Strongly Agree   (Agree)   Neutral   Disagree   Strongly Disagree

Final Survey for EASSSE

Please answer to the best of your memory. Thank you for your participation. Return to your professor when you are done.

1. How many times did you watch video 1? __2__   When was the last time you saw video 1? _Before the begining of class_
2. How many times did you watch video 2? __2__   When was the last time you saw video 2? _Before the ···_
3. How many times did you watch video 3? __2__   When was the last time you saw video 3? _Before the ···_
4. How many times did you watch video 4? __2__   When was the last time you saw video 4? _Before the ···_
5. How many times did you watch video 5? __2__   When was the last time you saw video 5? _Feb._
6. How many times did you watch video 6? __2__   When was the last time you saw video 6? _Feb_
7. How many times did you watch video 7? __2__   When was the last time you saw video 7? _Feb_
8. How many times did you watch video 8? __2__   When was the last time you saw video 8? _Mar_
9. How many times did you watch video 9? __2__   When was the last time you saw video 9? _Mar_

10. These videos helped you in your studying.

    Strongly Agree   (Agree)   Neutral   Disagree   Strongly Disagree

    (If these videos were NOT helpful, please tell me why not…write on back side if you need more room.)

    The videos are good, it is just that I have applied many of them in my

    study before I watch these videos.

11. You have used _____ techniques taught in these videos to study for your classes.

    more than 9   7-9   (4-6)   1-3   0

    (If you did NOT use any techniques, please tell me why not…write on back side if you need more room.)

12. Your grade improved by applying these techniques (mentioned in the last question).

    Strongly Agree   (Agree)   Neutral   Disagree   Strongly Disagree

    (If these techniques did NOT improve your grade, please tell me why not…write on back side if you need more room.)

13. You recommend these videos to other students.

    Strongly Agree   (Agree)   Neutral   Disagree   Strongly Disagree

Final Survey for EASSSE

Please answer to the best of your memory. Thank you for your participation. Return to your professor when you are done.

1. How many times did you watch video 1? ONCE   When was the last time you saw video 1? BEGINNING OF SEMEST.

2. How many times did you watch video 2? ONCE   When was the last time you saw video 2? BEGINNING OF SEMESTER

3. How many times did you watch video 3? ONCE   When was the last time you saw video 3? BEGINNING OF SEMESTER

4. How many times did you watch video 4? ONCE   When was the last time you saw video 4? BEGINNING OF SEMESTER

5. How many times did you watch video 5? ONCE   When was the last time you saw video 5? BEGINNING OF SEMESTER

6. How many times did you watch video 6? ONCE   When was the last time you saw video 6? BEGINNING OF SEMESTER

7. How many times did you watch video 7? ONCE   When was the last time you saw video 7? BEGINNING OF SEMESTER

8. How many times did you watch video 8? ONCE   When was the last time you saw video 8? BEGINNING OF SEMESTER

9. How many times did you watch video 9? ONCE   When was the last time you saw video 9? BEGINNING OF SEMESTER

10. These videos helped you in your studying.

Strongly Agree   Agree   (Neutral)   Disagree   Strongly Disagree

(If these videos were NOT helpful, please tell me why not...write on back side if you need more room.)

11. You have used _____ techniques taught in these videos to study for your classes.

more than 9   7-9   4-6   (1-3)   0

(If you did NOT use any techniques, please tell me why not...write on back side if you need more room.)

12. Your grade improved by applying these techniques (mentioned in the last question).

Strongly Agree   Agree   (Neutral)   Disagree   Strongly Disagree

(If these techniques did NOT improve your grade, please tell me why not...write on back side if you need more room.)

13. You recommend these videos to other students.

Strongly Agree   Agree   (Neutral)   Disagree   Strongly Disagree

Final Survey for EASSSE

Please answer to the best of your memory. Thank you for your participation. Return to your professor when you are done.

1. How many times did you watch video 1? _____1_____   When was the last time you saw video 1? Week before class
2. How many times did you watch video 2? _____1_____   When was the last time you saw video 2? Week before class
3. How many times did you watch video 3? _____1_____   When was the last time you saw video 3? week before class
4. How many times did you watch video 4? _____1_____   When was the last time you saw video 4? week before class
5. How many times did you watch video 5? _____1_____   When was the last time you saw video 5? week before class
6. How many times did you watch video 6? _____1_____   When was the last time you saw video 6? week before class
7. How many times did you watch video 7? _____1_____   When was the last time you saw video 7? week before class
8. How many times did you watch video 8? _____1_____   When was the last time you saw video 8? week before class
9. How many times did you watch video 9? _____1_____   When was the last time you saw video 9? week before class

10. These videos helped you in your studying.

Strongly Agree   (Agree)   Neutral   Disagree   Strongly Disagree

(If these videos were NOT helpful, please tell me why not…write on back side if you need more room.)

11. You have used __7-9__ techniques taught in these videos to study for your classes.

more than 9   (7-9)   4-6   1-3   0

(If you did NOT use any techniques, please tell me why not…write on back side if you need more room.)

12. Your grade improved by applying these techniques (mentioned in the last question).

Strongly Agree   (Agree)   Neutral   Disagree   Strongly Disagree

(If these techniques did NOT improve your grade, please tell me why not…write on back side if you need more room.)

13. You recommend these videos to other students.

Strongly Agree   (Agree)   Neutral   Disagree   Strongly Disagree

Final Survey for EASSSE

Please answer to the best of your memory. Thank you for your participation. Return to your professor when you are done.

1. How many times did you watch video 1? ___|___   When was the last time you saw video 1? _When I watched it first_
2. How many times did you watch video 2? ___|___   When was the last time you saw video 2? _____
3. How many times did you watch video 3? ___|___   When was the last time you saw video 3? _____
4. How many times did you watch video 4? ___|___   When was the last time you saw video 4? _____
5. How many times did you watch video 5? ___|___   When was the last time you saw video 5? _____
6. How many times did you watch video 6? ___|___   When was the last time you saw video 6? _____
7. How many times did you watch video 7? ___|___   When was the last time you saw video 7? _____
8. How many times did you watch video 8? ___|___   When was the last time you saw video 8? _____
9. How many times did you watch video 9? ___|___   When was the last time you saw video 9? _____

10. These videos helped you in your studying.

     Strongly Agree   (Agree)   Neutral   Disagree   Strongly Disagree

     (If these videos were NOT helpful, please tell me why not…write on back side if you need more room.)

11. You have used _____ techniques taught in these videos to study for your classes.

     more than 9   7-9   (4-6)   1-3   0

     (If you did NOT use any techniques, please tell me why not…write on back side if you need more room.)

12. Your grade improved by applying these techniques (mentioned in the last question).

     Strongly Agree   (Agree)   Neutral   Disagree   Strongly Disagree

     (If these techniques did NOT improve your grade, please tell me why not…write on back side if you need more room.)

13. You recommend these videos to other students.

     Strongly Agree   (Agree)   Neutral   Disagree   Strongly Disagree

Final Survey for EASSSE

Please answer to the best of your memory. Thank you for your participation. Return to your professor when you are done.

1. How many times did you watch video 1? _once_ When was the last time you saw video 1? _august_
2. How many times did you watch video 2? _once_ When was the last time you saw video 2? _august_
3. How many times did you watch video 3? _once_ When was the last time you saw video 3? _august_
4. How many times did you watch video 4? _once_ When was the last time you saw video 4? _august_
5. How many times did you watch video 5? _once_ When was the last time you saw video 5? _august_
6. How many times did you watch video 6? _once_ When was the last time you saw video 6? _august_
7. How many times did you watch video 7? _once_ When was the last time you saw video 7? _august_
8. How many times did you watch video 8? _once_ When was the last time you saw video 8? _august_
9. How many times did you watch video 9? _once_ When was the last time you saw video 9? _august_ .

10. These videos helped you in your studying.

Strongly Agree   (Agree)   Neutral   Disagree   Strongly Disagree

(If these videos were NOT helpful, please tell me why not…write on back side if you need more room.)

11. You have used _____ techniques taught in these videos to study for your classes.

more than 9   7-9   (4-6)   1-3   0

(If you did NOT use any techniques, please tell me why not…write on back side if you need more room.)

12. Your grade improved by applying these techniques (mentioned in the last question).

Strongly Agree   (Agree)   Neutral   Disagree   Strongly Disagree

(If these techniques did NOT improve your grade, please tell me why not…write on back side if you need more room.)

13. You recommend these videos to other students.

(Strongly Agree)   Agree   Neutral   Disagree   Strongly Disagree

Final Survey for EASSSE

Please answer to the best of your memory. Thank you for your participation. Return to your professor when you are done. *before*

1. How many times did you watch video 1? *once/twice*   When was the last time you saw video 1? _____ *Spring Semester*
2. How many times did you watch video 2? _____   When was the last time you saw video 2? _____
3. How many times did you watch video 3? _____   When was the last time you saw video 3? _____
4. How many times did you watch video 4? _____   When was the last time you saw video 4? _____
5. How many times did you watch video 5? _____   When was the last time you saw video 5? _____
6. How many times did you watch video 6? _____   When was the last time you saw video 6? _____
7. How many times did you watch video 7? _____   When was the last time you saw video 7? _____
8. How many times did you watch video 8? _____   When was the last time you saw video 8? _____
9. How many times did you watch video 9? _____   When was the last time you saw video 9? _____

10. These videos helped you in your studying.

Strongly Agree   (Agree)   Neutral   Disagree   Strongly Disagree

(If these videos were NOT helpful, please tell me why not…write on back side if you need more room.)

11. You have used _____ techniques taught in these videos to study for your classes.

more than 9   7-9   4-6   (1-3)   0

(If you did NOT use any techniques, please tell me why not…write on back side if you need more room.)

12. Your grade improved by applying these techniques (mentioned in the last question).

Strongly Agree   Agree   (Neutral)   Disagree   Strongly Disagree

(If these techniques did NOT improve your grade, please tell me why not…write on back side if you need more room.)

13. You recommend these videos to other students.

Strongly Agree   (Agree)   Neutral   Disagree   Strongly Disagree

Final Survey for EASSSE

Please answer to the best of your memory. Thank you for your participation. Return to your professor when you are done.

1. How many times did you watch video 1? _once_   When was the last time you saw video 1? _Before the beginning of class_
2. How many times did you watch video 2? _____   When was the last time you saw video 2? _____
3. How many times did you watch video 3? _____   When was the last time you saw video 3? _____
4. How many times did you watch video 4? _____   When was the last time you saw video 4? _____
5. How many times did you watch video 5? _____   When was the last time you saw video 5? _____
6. How many times did you watch video 6? _____   When was the last time you saw video 6? _____
7. How many times did you watch video 7? _____   When was the last time you saw video 7? _____
8. How many times did you watch video 8? _____   When was the last time you saw video 8? _____
9. How many times did you watch video 9? _____   When was the last time you saw video 9? _____

10. These videos helped you in your studying.

   Strongly Agree   Agree   (Neutral)   Disagree   Strongly Disagree

   (If these videos were NOT helpful, please tell me why not...write on back side if you need more room.)

11. You have used _____ techniques taught in these videos to study for your classes.

   more than 9   7-9   (4-6)   1-3   0

   (If you did NOT use any techniques, please tell me why not...write on back side if you need more room.)

12. Your grade improved by applying these techniques (mentioned in the last question).

   Strongly Agree   Agree   (Neutral)   Disagree   Strongly Disagree

   (If these techniques did NOT improve your grade, please tell me why not...write on back side if you need more room.)

13. You recommend these videos to other students.

   Strongly Agree   (Agree)   Neutral   Disagree   Strongly Disagree

Final Survey for EASSSE

Please answer to the best of your memory. Thank you for your participation. Return to your professor when you are done.

1. How many times did you watch video 1? __2__   When was the last time you saw video 1? _before the semester_
2. How many times did you watch video 2? __1__   When was the last time you saw video 2? _began_
3. How many times did you watch video 3? __1__   When was the last time you saw video 3? _____
4. How many times did you watch video 4? __1__   When was the last time you saw video 4? _____
5. How many times did you watch video 5? __1__   When was the last time you saw video 5? _____
6. How many times did you watch video 6? __1__   When was the last time you saw video 6? _____
7. How many times did you watch video 7? __1__   When was the last time you saw video 7? _____
8. How many times did you watch video 8? __1__   When was the last time you saw video 8? _____
9. How many times did you watch video 9? __1__   When was the last time you saw video 9? _____

10. These videos helped you in your studying.

Strongly Agree   (Agree)   Neutral   Disagree   Strongly Disagree

(If these videos were NOT helpful, please tell me why not…write on back side if you need more room.)

11. You have used _____ techniques taught in these videos to study for your classes.

more than 9   7-9   (4-6)   1-3   0

(If you did NOT use any techniques, please tell me why not…write on back side if you need more room.)

12. Your grade improved by applying these techniques (mentioned in the last question).

(Strongly Agree)   Agree   Neutral   Disagree   Strongly Disagree

(If these techniques did NOT improve your grade, please tell me why not…write on back side if you need more room.)

13. You recommend these videos to other students.

(Strongly Agree)   Agree   Neutral   Disagree   Strongly Disagree

Final Survey for EASSSE

Please answer to the best of your memory. Thank you for your participation. Return to your professor when you are done.

1. How many times did you watch video 1? __2__   When was the last time you saw video 1? __beginning of semester__
2. How many times did you watch video 2? __3__   When was the last time you saw video 2? __few months ago__
3. How many times did you watch video 3? __2__   When was the last time you saw video 3? __few months ago__
4. How many times did you watch video 4? __4__   When was the last time you saw video 4? __couple weeks ago__
5. How many times did you watch video 5? __∅__   When was the last time you saw video 5? __∅__
6. How many times did you watch video 6? __∅__   When was the last time you saw video 6? __∅__
7. How many times did you watch video 7? __∅__   When was the last time you saw video 7? __∅__
8. How many times did you watch video 8? __∅__   When was the last time you saw video 8? __∅__
9. How many times did you watch video 9? __∅__   When was the last time you saw video 9? __∅__

10. These videos helped you in your studying.

   Strongly Agree   (Agree)   Neutral   Disagree   Strongly Disagree

   (If these videos were NOT helpful, please tell me why not...write on back side if you need more room.)

11. You have used _____ techniques taught in these videos to study for your classes.

   more than 9   7-9   4-6   (1-3)   0

   (If you did NOT use any techniques, please tell me why not...write on back side if you need more room.)

12. Your grade improved by applying these techniques (mentioned in the last question).

   Strongly Agree   (Agree)   Neutral   Disagree   Strongly Disagree

   (If these techniques did NOT improve your grade, please tell me why not...write on back side if you need more room.)

13. You recommend these videos to other students.

   (Strongly Agree)   Agree   Neutral   Disagree   Strongly Disagree

Final Survey for EASSSE

Please answer to the best of your memory. Thank you for your participation. Return to your professor when you are done.

1. How many times did you watch video 1? __1__   When was the last time you saw video 1? __1st week__
2. How many times did you watch video 2? __1__   When was the last time you saw video 2? __1st week__
3. How many times did you watch video 3? __1__   When was the last time you saw video 3? __1st week__
4. How many times did you watch video 4? __1__   When was the last time you saw video 4? __1st week__
5. How many times did you watch video 5? __1__   When was the last time you saw video 5? __1st week__
6. How many times did you watch video 6? __1__   When was the last time you saw video 6? __1st week__
7. How many times did you watch video 7? __1__   When was the last time you saw video 7? __1st week__
8. How many times did you watch video 8? __1__   When was the last time you saw video 8? __1st week__
9. How many times did you watch video 9? __1__   When was the last time you saw video 9? __1st week__

10. These videos helped you in your studying.

Strongly Agree   (Agree)   Neutral   Disagree   Strongly Disagree

(If these videos were NOT helpful, please tell me why not…write on back side if you need more room.)

11. You have used _____ techniques taught in these videos to study for your classes.

more than 9   7-9   (4-6)   (1-3)   0

(If you did NOT use any techniques, please tell me why not…write on back side if you need more room.)

12. Your grade improved by applying these techniques (mentioned in the last question).

Strongly Agree   Agree   (Neutral)   Disagree   Strongly Disagree

(If these techniques did NOT improve your grade, please tell me why not…write on back side if you need more room.)

13. You recommend these videos to other students.

Strongly Agree   (Agree)   Neutral   Disagree   Strongly Disagree

Final Survey for EASSSE

Please answer to the best of your memory. Thank you for your participation. Return to your professor when you are done.

1. How many times did you watch video 1? __1__   When was the last time you saw video 1? __1__
2. How many times did you watch video 2? __2__   When was the last time you saw video 2? __1__
3. How many times did you watch video 3? __1__   When was the last time you saw video 3? __2__
4. How many times did you watch video 4? __3__   When was the last time you saw video 4? __2__
5. How many times did you watch video 5? __3__   When was the last time you saw video 5? __3__
6. How many times did you watch video 6? __2__   When was the last time you saw video 6? __2__
7. How many times did you watch video 7? __2__   When was the last time you saw video 7? __3__
8. How many times did you watch video 8? __3__   When was the last time you saw video 8? __4__
9. How many times did you watch video 9? __3__   When was the last time you saw video 9? __2__

10. These videos helped you in your studying.

   Strongly Agree   (Agree)   Neutral   Disagree   Strongly Disagree

   (If these videos were NOT helpful, please tell me why not...write on back side if you need more room.)

11. You have used _____ techniques taught in these videos to study for your classes.

   more than 9   7-9   4-6   (1-3)   0

   (If you did NOT use any techniques, please tell me why not...write on back side if you need more room.)

12. Your grade improved by applying these techniques (mentioned in the last question).

   Strongly Agree   (Agree)   Neutral   Disagree   Strongly Disagree

   (If these techniques did NOT improve your grade, please tell me why not...write on back side if you need more room.)

13. You recommend these videos to other students.

   (Strongly Agree)   Agree   Neutral   Disagree   Strongly Disagree

Final Survey for EASSSE

Please answer to the best of your memory. Thank you for your participation. Return to your professor when you are done.

1. How many times did you watch video 1? _one_   When was the last time you saw video 1? _beginning of semester_
2. How many times did you watch video 2? _one_   When was the last time you saw video 2? _"_
3. How many times did you watch video 3? _one_   When was the last time you saw video 3? _"_
4. How many times did you watch video 4? _one_   When was the last time you saw video 4? _"_
5. How many times did you watch video 5? _____   When was the last time you saw video 5? _____
6. How many times did you watch video 6? _____   When was the last time you saw video 6? _____
7. How many times did you watch video 7? _____   When was the last time you saw video 7? _____
8. How many times did you watch video 8? _____   When was the last time you saw video 8? _____
9. How many times did you watch video 9? _____   When was the last time you saw video 9? _____

10. These videos helped you in your studying.

Strongly Agree   (Agree)   Neutral   Disagree   Strongly Disagree

(If these videos were NOT helpful, please tell me why not...write on back side if you need more room.)

11. You have used _____ techniques taught in these videos to study for your classes.

more than 9   7-9   4-6   (1-3)   0

(If you did NOT use any techniques, please tell me why not...write on back side if you need more room.)

12. Your grade improved by applying these techniques (mentioned in the last question).

Strongly Agree   (Agree)   Neutral   Disagree   Strongly Disagree

(If these techniques did NOT improve your grade, please tell me why not...write on back side if you need more room.)

13. You recommend these videos to other students.

(Strongly Agree)   Agree   Neutral   Disagree   Strongly Disagree

Final Survey for EASSSE

Please answer to the best of your memory. Thank you for your participation. Return to your professor when you are done.

1. How many times did you watch video 1? ___1___   When was the last time you saw video 1? _Before the beginning of cla_
2. How many times did you watch video 2? ___1___   When was the last time you saw video 2? _Before the beginning of class_
3. How many times did you watch video 3? ___1___   When was the last time you saw video 3? _Before the beginning of class_
4. How many times did you watch video 4? ___1___   When was the last time you saw video 4? _Before the beginning of clas_
5. How many times did you watch video 5? ___1___   When was the last time you saw video 5? _Before exam 2_
6. How many times did you watch video 6? ___1___   When was the last time you saw video 6? _Before exam 2_
7. How many times did you watch video 7? ___1___   When was the last time you saw video 7? _Before exam 2_
8. How many times did you watch video 8? ___1___   When was the last time you saw video 8? _Before exam 2_
9. How many times did you watch video 9? ___1___   When was the last time you saw video 9? _Before exam 2_

10. These videos helped you in your studying.

   Strongly Agree   (Agree)   Neutral   Disagree   Strongly Disagree

   (If these videos were NOT helpful, please tell me why not…write on back side if you need more room.)

11. You have used _____ techniques taught in these videos to study for your classes.

   more than 9   7-9   4-6   (1-3)   0

   (If you did NOT use any techniques, please tell me why not…write on back side if you need more room.)

12. Your grade improved by applying these techniques (mentioned in the last question).

   Strongly Agree   Agree   (Neutral)   Disagree   Strongly Disagree

   (If these techniques did NOT improve your grade, please tell me why not…write on back side if you need more room.)

13. You recommend these videos to other students.

   Strongly Agree   Agree   (Neutral)   Disagree   Strongly Disagree

Final Survey for EASSSE

Please answer to the best of your memory. Thank you for your participation. Return to your professor when you are done.

1. How many times did you watch video 1? ___1___   When was the last time you saw video 1? _when class_
2. How many times did you watch video 2? ___1___   When was the last time you saw video 2? _started_
3. How many times did you watch video 3? ___1___   When was the last time you saw video 3? _____
4. How many times did you watch video 4? ___1___   When was the last time you saw video 4? _____
5. How many times did you watch video 5? ___1___   When was the last time you saw video 5? ___Same___
6. How many times did you watch video 6? ___(___   When was the last time you saw video 6? _____
7. How many times did you watch video 7? ___1___   When was the last time you saw video 7? _____
8. How many times did you watch video 8? ___1___   When was the last time you saw video 8? _____
9. How many times did you watch video 9? ___1___   When was the last time you saw video 9? _____

10. These videos helped you in your studying.

Strongly Agree   (Agree)   Neutral   Disagree   Strongly Disagree

(If these videos were NOT helpful, please tell me why not...write on back side if you need more room.)

11. You have used _____ techniques taught in these videos to study for your classes.

more than 9   (7-9)   4-6   1-3   0

(If you did NOT use any techniques, please tell me why not...write on back side if you need more room.)

12. Your grade improved by applying these techniques (mentioned in the last question).

Strongly Agree   Agree   (Neutral)   Disagree   Strongly Disagree

(If these techniques did NOT improve your grade, please tell me why not...write on back side if you need more room.)

13. You recommend these videos to other students.

Strongly Agree   (Agree)   Neutral   Disagree   Strongly Disagree

Final Survey for EASSSE

Please answer to the best of your memory. Thank you for your participation. Return to your professor when you are done.

1. How many times did you watch video 1? ___1___   When was the last time you saw video 1? _Beginning of semest_
2. How many times did you watch video 2? ___1___   When was the last time you saw video 2? _Beginning of semester_
3. How many times did you watch video 3? ___1___   When was the last time you saw video 3? _Beginning of semeste_
4. How many times did you watch video 4? ___1___   When was the last time you saw video 4? _Begimning of semres_
5. How many times did you watch video 5? ___1___   When was the last time you saw video 5? _____
6. How many times did you watch video 6? ___1___   When was the last time you saw video 6? _____
7. How many times did you watch video 7? ___1___   When was the last time you saw video 7? _____
8. How many times did you watch video 8? ___1___   When was the last time you saw video 8? _____
9. How many times did you watch video 9? ___1___   When was the last time you saw video 9? _____

10. These videos helped you in your studying.

Strongly Agree   (Agree)   Neutral   Disagree   Strongly Disagree

(If these videos were NOT helpful, please tell me why not…write on back side if you need more room.)

11. You have used _____ techniques taught in these videos to study for your classes.

more than 9   7-9   (4-6)   1-3   0

(If you did NOT use any techniques, please tell me why not…write on back side if you need more room.)

12. Your grade improved by applying these techniques (mentioned in the last question).

Strongly Agree   (Agree)   Neutral   Disagree   Strongly Disagree

(If these techniques did NOT improve your grade, please tell me why not…write on back side if you need more room.)

13. You recommend these videos to other students.

Strongly Agree   (Agree)   Neutral   Disagree   Strongly Disagree

Final Survey for EASSSE

Please answer to the best of your memory. Thank you for your participation. Return to your professor when you are done.

1. How many times did you watch video 1? ___1___   When was the last time you saw video 1? __feb 2017__
2. How many times did you watch video 2? ___1___   When was the last time you saw video 2? __Feb 2017__
3. How many times did you watch video 3? ___1___   When was the last time you saw video 3? __Feb 2017__
4. How many times did you watch video 4? ___1___   When was the last time you saw video 4? __feb 2017__
5. How many times did you watch video 5? ___1___   When was the last time you saw video 5? __feb 2017__
6. How many times did you watch video 6? ___1___   When was the last time you saw video 6? __Feb 2017__
7. How many times did you watch video 7? ___1___   When was the last time you saw video 7? __Feb 2017__
8. How many times did you watch video 8? ___1___   When was the last time you saw video 8? __Feb 2017__
9. How many times did you watch video 9? ___1___   When was the last time you saw video 9? __Feb 2017__

10. These videos helped you in your studying.

    Strongly Agree   (Agree)   Neutral   Disagree   Strongly Disagree

    (If these videos were NOT helpful, please tell me why not…write on back side if you need more room.)

11. You have used _____ techniques taught in these videos to study for your classes.

    more than 9   7-9   (4-6)   1-3   0

    (If you did NOT use any techniques, please tell me why not…write on back side if you need more room.)

12. Your grade improved by applying these techniques (mentioned in the last question).

    Strongly Agree   Agree   (Neutral)   Disagree   Strongly Disagree

    (If these techniques did NOT improve your grade, please tell me why not…write on back side if you need more room.)

13. You recommend these videos to other students.

    Strongly Agree   (Agree)   Neutral   Disagree   Strongly Disagree

Final Survey for EASSSE

Please answer to the best of your memory. Thank you for your participation. Return to your professor when you are done.

1. How many times did you watch video 1? ___1___   When was the last time you saw video 1? __before class__
2. How many times did you watch video 2? ___1___   When was the last time you saw video 2? __started__
3. How many times did you watch video 3? ___1___   When was the last time you saw video 3? _____''_____
4. How many times did you watch video 4? ___1___   When was the last time you saw video 4? _____''_____
5. How many times did you watch video 5? ___1___   When was the last time you saw video 5? _____''_____
6. How many times did you watch video 6? ___1___   When was the last time you saw video 6? _____''_____
7. How many times did you watch video 7? ___1___   When was the last time you saw video 7? _____''_____
8. How many times did you watch video 8? ___1___   When was the last time you saw video 8? _____''_____
9. How many times did you watch video 9? ___1___   When was the last time you saw video 9? _____''_____

10. These videos helped you in your studying.

(Strongly Agree)   Agree   Neutral   Disagree   Strongly Disagree

(If these videos were NOT helpful, please tell me why not…write on back side if you need more room.)

It really would help incoming freshmen to prepare them
for college level material.

11. You have used _____ techniques taught in these videos to study for your classes.

more than 9   7-9   (4-6)   1-3   0

(If you did NOT use any techniques, please tell me why not…write on back side if you need more room.)

12. Your grade improved by applying these techniques (mentioned in the last question).

Strongly Agree   (Agree)   Neutral   Disagree   Strongly Disagree

(If these techniques did NOT improve your grade, please tell me why not…write on back side if you need more room.)

13. You recommend these videos to other students.

(Strongly Agree)   Agree   Neutral   Disagree   Strongly Disagree

Final Survey for EASSSE

Please answer to the best of your memory. Thank you for your participation. Return to your professor when you are done.

1. How many times did you watch video 1? __1__   When was the last time you saw video 1? _____
2. How many times did you watch video 2? __1__   When was the last time you saw video 2? _____
3. How many times did you watch video 3? __1__   When was the last time you saw video 3? __at the__ _of_
4. How many times did you watch video 4? __1__   When was the last time you saw video 4? _beginning_
5. How many times did you watch video 5? __1__   When was the last time you saw video 5? _of the_
6. How many times did you watch video 6? __1__   When was the last time you saw video 6? _semester_
7. How many times did you watch video 7? __1__   When was the last time you saw video 7? _____
8. How many times did you watch video 8? __1__   When was the last time you saw video 8? _____
9. How many times did you watch video 9? __1__   When was the last time you saw video 9? _____

10. These videos helped you in your studying.

   (Strongly Agree)   Agree   Neutral   Disagree   Strongly Disagree

   (If these videos were NOT helpful, please tell me why not...write on back side if you need more room.)

11. You have used _____ techniques taught in these videos to study for your classes.

   more than 9   7-9   (4-6)   1-3   0

   (If you did NOT use any techniques, please tell me why not...write on back side if you need more room.)

12. Your grade improved by applying these techniques (mentioned in the last question).

   Strongly Agree   (Agree)   Neutral   Disagree   Strongly Disagree

   (If these techniques did NOT improve your grade, please tell me why not...write on back side if you need more room.)

13. You recommend these videos to other students.

   Strongly Agree   (Agree)   Neutral   Disagree   Strongly Disagree

Final Survey for EASSSE

Please answer to the best of your memory. Thank you for your participation. Return to your professor when you are done.

1. How many times did you watch video 1? ___1___   When was the last time you saw video 1? _BEG. OF SEM_
2. How many times did you watch video 2? ___1___   When was the last time you saw video 2? _____
3. How many times did you watch video 3? ___1___   When was the last time you saw video 3? _____
4. How many times did you watch video 4? ___1___   When was the last time you saw video 4? _____
5. How many times did you watch video 5? ___1___   When was the last time you saw video 5? _____
6. How many times did you watch video 6? ___1___   When was the last time you saw video 6? _NEAR THE MIDDLE OF SEM_
7. How many times did you watch video 7? ___1___   When was the last time you saw video 7? _____
8. How many times did you watch video 8? ___1___   When was the last time you saw video 8? _____
9. How many times did you watch video 9? ___1___   When was the last time you saw video 9? _____

10. These videos helped you in your studying.

Strongly Agree   (Agree)   Neutral   Disagree   Strongly Disagree

(If these videos were NOT helpful, please tell me why not...write on back side if you need more room.)

11. You have used _____ techniques taught in these videos to study for your classes.

more than 9   7-9   4-6   (1-3)   0

(If you did NOT use any techniques, please tell me why not...write on back side if you need more room.)

12. Your grade improved by applying these techniques (mentioned in the last question).

Strongly Agree   (Agree)   Neutral   Disagree   Strongly Disagree

(If these techniques did NOT improve your grade, please tell me why not...write on back side if you need more room.)

13. You recommend these videos to other students.

Strongly Agree   (Agree)   Neutral   Disagree   Strongly Disagree

Final Survey for EASSSE

Please answer to the best of your memory. Thank you for your participation. Return to your professor when you are done.

1. How many times did you watch video 1? __1__   When was the last time you saw video 1? __Begining of__
2. How many times did you watch video 2? __1__   When was the last time you saw video 2? __semester__
3. How many times did you watch video 3? __1__   When was the last time you saw video 3? _____
4. How many times did you watch video 4? __1__   When was the last time you saw video 4? _____
5. How many times did you watch video 5? __1__   When was the last time you saw video 5? _____
6. How many times did you watch video 6? __1__   When was the last time you saw video 6? _____
7. How many times did you watch video 7? __1__   When was the last time you saw video 7? _____
8. How many times did you watch video 8? __1__   When was the last time you saw video 8? __↓__
9. How many times did you watch video 9? __1__   When was the last time you saw video 9? _____

10. These videos helped you in your studying.

   Strongly Agree   Agree   (Neutral)   Disagree   Strongly Disagree

   (If these videos were NOT helpful, please tell me why not…write on back side if you need more room.)

11. You have used _____ techniques taught in these videos to study for your classes.

   more than 9   7-9   4-6   (1-3)   0

   (If you did NOT use any techniques, please tell me why not…write on back side if you need more room.)

12. Your grade improved by applying these techniques (mentioned in the last question).

   Strongly Agree   Agree   (Neutral)   Disagree   Strongly Disagree

   (If these techniques did NOT improve your grade, please tell me why not…write on back side if you need more room.)

13. You recommend these videos to other students.

   Strongly Agree   (Agree)   Neutral   Disagree   Strongly Disagree

Final Survey for EASSSE

Please answer to the best of your memory. Thank you for your participation. Return to your professor when you are done.

1. How many times did you watch video 1? __1__   When was the last time you saw video 1? _beginning of semester_

2. How many times did you watch video 2? __1__   When was the last time you saw video 2? __↑__

3. How many times did you watch video 3? __1__   When was the last time you saw video 3? __↑__

4. How many times did you watch video 4? __1__   When was the last time you saw video 4? __↑__

5. How many times did you watch video 5? __1__   When was the last time you saw video 5? __↑__

6. How many times did you watch video 6? __1__   When was the last time you saw video 6? __↑__

7. How many times did you watch video 7? __1__   When was the last time you saw video 7? __↑__

8. How many times did you watch video 8? __1__   When was the last time you saw video 8? __↑__

9. How many times did you watch video 9? __1__   When was the last time you saw video 9? __↑__

10. These videos helped you in your studying.

   (Strongly Agree)   Agree   Neutral   Disagree   Strongly Disagree

   (If these videos were NOT helpful, please tell me why not…write on back side if you need more room.)

11. You have used _____ techniques taught in these videos to study for your classes.

   (more than 9)   7-9   4-6   1-3   0

   (If you did NOT use any techniques, please tell me why not…write on back side if you need more room.)

12. Your grade improved by applying these techniques (mentioned in the last question).

   Strongly Agree   (Agree)   Neutral   Disagree   Strongly Disagree

   (If these techniques did NOT improve your grade, please tell me why not…write on back side if you need more room.)

13. You recommend these videos to other students.

   (Strongly Agree)   Agree   Neutral   Disagree   Strongly Disagree

Final Survey for EASSSE

Please answer to the best of your memory. Thank you for your participation. Return to your professor when you are done.

1. How many times did you watch video 1? __1__   When was the last time you saw video 1? _Before sem. started_
2. How many times did you watch video 2? __1__   When was the last time you saw video 2? _____
3. How many times did you watch video 3? __1__   When was the last time you saw video 3? _____
4. How many times did you watch video 4? __1__   When was the last time you saw video 4? _____
5. How many times did you watch video 5? __1__   When was the last time you saw video 5? _____
6. How many times did you watch video 6? __1__   When was the last time you saw video 6? _____
7. How many times did you watch video 7? __1__   When was the last time you saw video 7? _____
8. How many times did you watch video 8? __1__   When was the last time you saw video 8? _____
9. How many times did you watch video 9? __1__   When was the last time you saw video 9? _____

10. These videos helped you in your studying.

   Strongly Agree   (Agree)   Neutral   Disagree   Strongly Disagree

   (If these videos were NOT helpful, please tell me why not…write on back side if you need more room.)

11. You have used _____ techniques taught in these videos to study for your classes.

   more than 9   7-9   4-6   (1-3)   0

   (If you did NOT use any techniques, please tell me why not…write on back side if you need more room.)

12. Your grade improved by applying these techniques (mentioned in the last question).

   Strongly Agree   (Agree)   Neutral   Disagree   Strongly Disagree

   (If these techniques did NOT improve your grade, please tell me why not…write on back side if you need more room.)

13. You recommend these videos to other students.

   Strongly Agree   (Agree)   Neutral   Disagree   Strongly Disagree

Final Survey for EASSSE

Please answer to the best of your memory. Thank you for your participation. Return to your professor when you are done.

1. How many times did you watch video 1? ____1____   When was the last time you saw video 1? _Beginning of semester_
2. How many times did you watch video 2? ____1____   When was the last time you saw video 2? _____
3. How many times did you watch video 3? ____1____   When was the last time you saw video 3? _____
4. How many times did you watch video 4? ____1____   When was the last time you saw video 4? _____
5. How many times did you watch video 5? ____1____   When was the last time you saw video 5? _____
6. How many times did you watch video 6? ____1____   When was the last time you saw video 6? _____
7. How many times did you watch video 7? ____1____   When was the last time you saw video 7? _____
8. How many times did you watch video 8? ____1____   When was the last time you saw video 8? _____
9. How many times did you watch video 9? ____1____   When was the last time you saw video 9? _____

10. These videos helped you in your studying.

Strongly Agree   (Agree)   Neutral   Disagree   Strongly Disagree

(If these videos were NOT helpful, please tell me why not…write on back side if you need more room.)

11. You have used _____ techniques taught in these videos to study for your classes.

more than 9   7-9   (4-6)   1-3   0

(If you did NOT use any techniques, please tell me why not…write on back side if you need more room.)

12. Your grade improved by applying these techniques (mentioned in the last question).

Strongly Agree   Agree   (Neutral)   Disagree   Strongly Disagree

(If these techniques did NOT improve your grade, please tell me why not…write on back side if you need more room.)

13. You recommend these videos to other students.

Strongly Agree   (Agree)   Neutral   Disagree   Strongly Disagree

Final Survey for EASSSE

Please answer to the best of your memory. Thank you for your participation. Return to your professor when you are done.

1. How many times did you watch video 1? ___1___   When was the last time you saw video 1? ___3 months ago___
2. How many times did you watch video 2? ___2___   When was the last time you saw video 2? _____
3. How many times did you watch video 3? ___1___   When was the last time you saw video 3? _____
4. How many times did you watch video 4? ___2___   When was the last time you saw video 4? _____
5. How many times did you watch video 5? ___2___   When was the last time you saw video 5? _____
6. How many times did you watch video 6? ___1___   When was the last time you saw video 6? _____
7. How many times did you watch video 7? ___2___   When was the last time you saw video 7? _____
8. How many times did you watch video 8? ___2___   When was the last time you saw video 8? _____
9. How many times did you watch video 9? ___~___   When was the last time you saw video 9? _____

10. These videos helped you in your studying.

   (Strongly Agree)   Agree   Neutral   Disagree   Strongly Disagree

   (If these videos were NOT helpful, please tell me why not…write on back side if you need more room.)

11. You have used _____ techniques taught in these videos to study for your classes.

   more than 9   (7-9)   4-6   1-3   0

   (If you did NOT use any techniques, please tell me why not…write on back side if you need more room.)

12. Your grade improved by applying these techniques (mentioned in the last question).

   (Strongly Agree)   Agree   Neutral   Disagree   Strongly Disagree

   (If these techniques did NOT improve your grade, please tell me why not…write on back side if you need more room.)

13. You recommend these videos to other students.

   (Strongly Agree)   Agree   Neutral   Disagree   Strongly Disagree

Final Survey for EASSSE

Please answer to the best of your memory. Thank you for your participation. Return to your professor when you are done.

1. How many times did you watch video 1? ___1___   When was the last time you saw video 1? ___April___
2. How many times did you watch video 2? ___2___   When was the last time you saw video 2? ___March___
3. How many times did you watch video 3? ___1___   When was the last time you saw video 3? ___March___
4. How many times did you watch video 4? ___1___   When was the last time you saw video 4? ___April___
5. How many times did you watch video 5? ___2___   When was the last time you saw video 5? ___March___
6. How many times did you watch video 6? ___1___   When was the last time you saw video 6? ___March___
7. How many times did you watch video 7? ___3___   When was the last time you saw video 7? ___march___
8. How many times did you watch video 8? ___1___   When was the last time you saw video 8? ___April___
9. How many times did you watch video 9? ___2___   When was the last time you saw video 9? ___march___

10. These videos helped you in your studying.

(Strongly Agree)   Agree   Neutral   Disagree   Strongly Disagree

(If these videos were NOT helpful, please tell me why not...write on back side if you need more room.)

11. You have used _____ techniques taught in these videos to study for your classes.

more than 9   (7-9)   4-6   1-3   0

(If you did NOT use any techniques, please tell me why not...write on back side if you need more room.)

12. Your grade improved by applying these techniques (mentioned in the last question).

(Strongly Agree)   Agree   Neutral   Disagree   Strongly Disagree

(If these techniques did NOT improve your grade, please tell me why not...write on back side if you need more room.)

13. You recommend these videos to other students.

(Strongly Agree)   Agree   Neutral   Disagree   Strongly Disagree

Final Survey for EASSSE

Please answer to the best of your memory. Thank you for your participation. Return to your professor when you are done.

1. How many times did you watch video 1? **2x**   When was the last time you saw video 1? **Beginning of class**
2. How many times did you watch video 2? **2x**   When was the last time you saw video 2? **Beginning of class**
3. How many times did you watch video 3? **2x**   When was the last time you saw video 3? **Beginning of class**
4. How many times did you watch video 4? **2x**   When was the last time you saw video 4? **Beginning of class**
5. How many times did you watch video 5? **2x**   When was the last time you saw video 5? **"**
6. How many times did you watch video 6? **2x**   When was the last time you saw video 6? **"**
7. How many times did you watch video 7? **2x**   When was the last time you saw video 7? **"**
8. How many times did you watch video 8? **2x**   When was the last time you saw video 8? **"**
9. How many times did you watch video 9? **2x**   When was the last time you saw video 9? **"**

10. These videos helped you in your studying.

   Strongly Agree   Agree   (Neutral)   Disagree   Strongly Disagree

   (If these videos were NOT helpful, please tell me why not…write on back side if you need more room.)

11. You have used _____ techniques taught in these videos to study for your classes.

   more than 9   7-9   (4-6)   1-3   0

   (If you did NOT use any techniques, please tell me why not…write on back side if you need more room.)

12. Your grade improved by applying these techniques (mentioned in the last question).

   Strongly Agree   (Agree)   Neutral   Disagree   Strongly Disagree

   (If these techniques did NOT improve your grade, please tell me why not…write on back side if you need more room.)

13. You recommend these videos to other students.

   Strongly Agree   (Agree)   Neutral   Disagree   Strongly Disagree

Final Survey for EASSSE

Please answer to the best of your memory. Thank you for your participation. Return to your professor when you are done.

1. How many times did you watch video 1? _Several_   When was the last time you saw video 1? _Start of semester_

2. How many times did you watch video 2? _Several_   When was the last time you saw video 2? _Start of Semester_

3. How many times did you watch video 3? _Several_   When was the last time you saw video 3? _Start of semester_

4. How many times did you watch video 4? _several_   When was the last time you saw video 4? _Start of Semester_

5. How many times did you watch video 5? _Several_   When was the last time you saw video 5? _Start of semester_

6. How many times did you watch video 6? _Several_   When was the last time you saw video 6? _start of Semester_

7. How many times did you watch video 7? _Several_   When was the last time you saw video 7? _Start of semester_

8. How many times did you watch video 8? _Several_   When was the last time you saw video 8? _Start of semester_

9. How many times did you watch video 9? _Several_   When was the last time you saw video 9? _start of semester_

10. These videos helped you in your studying.

    Strongly Agree   (Agree)   Neutral   Disagree   Strongly Disagree

    (If these videos were NOT helpful, please tell me why not…write on back side if you need more room.)

11. You have used _4-6_ techniques taught in these videos to study for your classes.

    more than 9   7-9   (4-6)   1-3   0

    (If you did NOT use any techniques, please tell me why not…write on back side if you need more room.)

12. Your grade improved by applying these techniques (mentioned in the last question).

    Strongly Agree   (Agree)   Neutral   Disagree   Strongly Disagree

    (If these techniques did NOT improve your grade, please tell me why not…write on back side if you need more room.)

    Applying these techniques made me more likely to study

13. You recommend these videos to other students.

    Strongly Agree   (Agree)   Neutral   Disagree   Strongly Disagree

Final Survey for EASSSE

Please answer to the best of your memory. Thank you for your participation. Return to your professor when you are done.

1. How many times did you watch video 1? _1_   When was the last time you saw video 1? _Before class_
2. How many times did you watch video 2? _1_   When was the last time you saw video 2? ____
3. How many times did you watch video 3? _1_   When was the last time you saw video 3? ____
4. How many times did you watch video 4? _1_   When was the last time you saw video 4? ____
5. How many times did you watch video 5? _1_   When was the last time you saw video 5? ____
6. How many times did you watch video 6? _1_   When was the last time you saw video 6? _2nd week of class_
7. How many times did you watch video 7? _1_   When was the last time you saw video 7? ____
8. How many times did you watch video 8? _1_   When was the last time you saw video 8? ____
9. How many times did you watch video 9? _1_   When was the last time you saw video 9? ____

10. These videos helped you in your studying.

Strongly Agree   (Agree)   Neutral   Disagree   Strongly Disagree

(If these videos were NOT helpful, please tell me why not…write on back side if you need more room.)

11. You have used _____ techniques taught in these videos to study for your classes.

more than 9   7-9   4-6   (1-3)   0

(If you did NOT use any techniques, please tell me why not…write on back side if you need more room.)

12. Your grade improved by applying these techniques (mentioned in the last question).

Strongly Agree   (Agree)   Neutral   Disagree   Strongly Disagree

(If these techniques did NOT improve your grade, please tell me why not…write on back side if you need more room.)

13. You recommend these videos to other students.

Strongly Agree   (Agree)   Neutral   Disagree   Strongly Disagree

Final Survey for EASSSE

Please answer to the best of your memory. Thank you for your participation. Return to your professor when you are done.

1. How many times did you watch video 1? _____1_____   When was the last time you saw video 1? _beginning of the quarter_
2. How many times did you watch video 2? _____1_____   When was the last time you saw video 2? _____
3. How many times did you watch video 3? _____1_____   When was the last time you saw video 3? _____
4. How many times did you watch video 4? _____1_____   When was the last time you saw video 4? _____
5. How many times did you watch video 5? _____1_____   When was the last time you saw video 5? _____
6. How many times did you watch video 6? _____1_____   When was the last time you saw video 6? _____
7. How many times did you watch video 7? _____1_____   When was the last time you saw video 7? _____
8. How many times did you watch video 8? _____1_____   When was the last time you saw video 8? _____
9. How many times did you watch video 9? _____1_____   When was the last time you saw video 9? _____

10. These videos helped you in your studying.

    Strongly Agree   Agree   (Neutral)   Disagree   Strongly Disagree

    (If these videos were NOT helpful, please tell me why not…write on back side if you need more room.)

11. You have used _____ techniques taught in these videos to study for your classes.

    more than 9   7-9   4-6   (1-3)   0

    (If you did NOT use any techniques, please tell me why not…write on back side if you need more room.)

12. Your grade improved by applying these techniques (mentioned in the last question).

    Strongly Agree   Agree   (Neutral)   Disagree   Strongly Disagree

    (If these techniques did NOT improve your grade, please tell me why not…write on back side if you need more room.)

13. You recommend these videos to other students.

    Strongly Agree   (Agree)   Neutral   Disagree   Strongly Disagree

Final Survey for EASSSE

Please answer to the best of your memory. Thank you for your participation. Return to your professor when you are done.

1. How many times did you watch video 1? ____1____ When was the last time you saw video 1? _Beginning of class_
2. How many times did you watch video 2? ____1____ When was the last time you saw video 2? ___''___
3. How many times did you watch video 3? ____1____ When was the last time you saw video 3? ___''___
4. How many times did you watch video 4? ____1____ When was the last time you saw video 4? ___''___
5. How many times did you watch video 5? ____1____ When was the last time you saw video 5? ___''___
6. How many times did you watch video 6? ____1____ When was the last time you saw video 6? ___''___
7. How many times did you watch video 7? ____1____ When was the last time you saw video 7? ___''___
8. How many times did you watch video 8? ____1____ When was the last time you saw video 8? ___''___
9. How many times did you watch video 9? ____1____ When was the last time you saw video 9? _____

10. These videos helped you in your studying.

   Strongly Agree   (Agree)   Neutral   Disagree   Strongly Disagree

   (If these videos were NOT helpful, please tell me why not...write on back side if you need more room.)

11. You have used __7-9__ techniques taught in these videos to study for your classes.

   more than 9   7-9   4-6   1-3   0

   (If you did NOT use any techniques, please tell me why not...write on back side if you need more room.)

12. Your grade improved by applying these techniques (mentioned in the last question).

   Strongly Agree   (Agree)   Neutral   Disagree   Strongly Disagree

   (If these techniques did NOT improve your grade, please tell me why not...write on back side if you need more room.)

13. You recommend these videos to other students.

   Strongly Agree   (Agree)   Neutral   Disagree   Strongly Disagree

Final Survey for EASSSE

Please answer to the best of your memory. Thank you for your participation. Return to your professor when you are done.

1. How many times did you watch video 1? __2__   When was the last time you saw video 1? __Feb - 19__
2. How many times did you watch video 2? __2__   When was the last time you saw video 2? __Feb - 19__
3. How many times did you watch video 3? __1__   When was the last time you saw video 3? __Feb - 20__
4. How many times did you watch video 4? __5__   When was the last time you saw video 4? __Feb - 20__
5. How many times did you watch video 5? _____   When was the last time you saw video 5? __Feb - 20__
6. How many times did you watch video 6? _____   When was the last time you saw video 6? __Feb - 21__
7. How many times did you watch video 7? __3__   When was the last time you saw video 7? __Feb - 21__
8. How many times did you watch video 8? __2__   When was the last time you saw video 8? __Feb - 21__
9. How many times did you watch video 9? __4__   When was the last time you saw video 9? __Feb - 22__

10. These videos helped you in your studying.

   Strongly Agree   (Agree)   Neutral   Disagree   Strongly Disagree

   (If these videos were NOT helpful, please tell me why not…write on back side if you need more room.)

11. You have used _____ techniques taught in these videos to study for your classes.

   more than 9   7-9   4-6   (1-3)   0

   (If you did NOT use any techniques, please tell me why not…write on back side if you need more room.)

12. Your grade improved by applying these techniques (mentioned in the last question).

   Strongly Agree   Agree   (Neutral)   Disagree   Strongly Disagree

   (If these techniques did NOT improve your grade, please tell me why not…write on back side if you need more room.)

13. You recommend these videos to other students.

   (Strongly Agree)   Agree   Neutral   Disagree   Strongly Disagree

Final Survey for EASSSE

Please answer to the best of your memory. Thank you for your participation. Return to your professor when you are done.

1. How many times did you watch video 1? __1__   When was the last time you saw video 1? __Feb 17__
2. How many times did you watch video 2? __1__   When was the last time you saw video 2? __Feb 17__
3. How many times did you watch video 3? __1__   When was the last time you saw video 3? __Feb 17__
4. How many times did you watch video 4? __1__   When was the last time you saw video 4? __Feb 17__
5. How many times did you watch video 5? __1__   When was the last time you saw video 5? __Mar 3__
6. How many times did you watch video 6? __1__   When was the last time you saw video 6? __Mar 5__
7. How many times did you watch video 7? __1__   When was the last time you saw video 7? __Mar 5__
8. How many times did you watch video 8? __1__   When was the last time you saw video 8? __Mar 5__
9. How many times did you watch video 9? __1__   When was the last time you saw video 9? __Mar 5__

10. These videos helped you in your studying.

   Strongly Agree   Agree   (Neutral)   Disagree   Strongly Disagree

   (If these videos were NOT helpful, please tell me why not…write on back side if you need more room.)

   It did not improve my studying
   because most the advice given
   I practice

11. You have used _____ techniques taught in these videos to study for your classes.

   more than 9   7-9   (4-6)   1-3   0

   (If you did NOT use any techniques, please tell me why not…write on back side if you need more room.)

12. Your grade improved by applying these techniques (mentioned in the last question).

   Strongly Agree   Agree   (Neutral)   Disagree   Strongly Disagree

   (If these techniques did NOT improve your grade, please tell me why not…write on back side if you need more room.)

   Not sure why it did not improve
   my grade. Probably because I did not review
   the material I was weak at.

13. You recommend these videos to other students.

   Strongly Agree   (Agree)   Neutral   Disagree   Strongly Disagree

Final Survey for EASSSE

Please answer to the best of your memory. Thank you for your participation. Return to your professor when you are done.

1. How many times did you watch video 1? __1__   When was the last time you saw video 1? _Begining of Class_
2. How many times did you watch video 2? __1__   When was the last time you saw video 2? __''__
3. How many times did you watch video 3? __1__   When was the last time you saw video 3? __''__
4. How many times did you watch video 4? __1__   When was the last time you saw video 4? __''__
5. How many times did you watch video 5? __1__   When was the last time you saw video 5? __''__
6. How many times did you watch video 6? __1__   When was the last time you saw video 6? __''__
7. How many times did you watch video 7? __1__   When was the last time you saw video 7? __''__
8. How many times did you watch video 8? __1__   When was the last time you saw video 8? __''__
9. How many times did you watch video 9? __1__   When was the last time you saw video 9? __''__

10. These videos helped you in your studying.

   Strongly Agree   (Agree)   Neutral   Disagree   Strongly Disagree

   (If these videos were NOT helpful, please tell me why not…write on back side if you need more room.)

11. You have used _____ techniques taught in these videos to study for your classes.

   more than 9   7-9   4-6   (1-3)   0

   (If you did NOT use any techniques, please tell me why not…write on back side if you need more room.)

12. Your grade improved by applying these techniques (mentioned in the last question).

   Strongly Agree   (Agree)   Neutral   Disagree   Strongly Disagree

   (If these techniques did NOT improve your grade, please tell me why not…write on back side if you need more room.)

13. You recommend these videos to other students.

   Strongly Agree   (Agree)   Neutral   Disagree   Strongly Disagree

Final Survey for EASSSE

Please answer to the best of your memory. Thank you for your participation. Return to your professor when you are done.

1. How many times did you watch video 1? __1__   When was the last time you saw video 1? __1__
2. How many times did you watch video 2? __1__   When was the last time you saw video 2? __1__
3. How many times did you watch video 3? __1__   When was the last time you saw video 3? __1__
4. How many times did you watch video 4? __1__   When was the last time you saw video 4? __1__
5. How many times did you watch video 5? __1__   When was the last time you saw video 5? __1__
6. How many times did you watch video 6? __1__   When was the last time you saw video 6? __1__
7. How many times did you watch video 7? __1__   When was the last time you saw video 7? __1__
8. How many times did you watch video 8? __1__   When was the last time you saw video 8? __1__
9. How many times did you watch video 9? __1__   When was the last time you saw video 9? __1__

10. These videos helped you in your studying.

   Strongly Agree   Agree   (Neutral)   Disagree   Strongly Disagree

   (If these videos were NOT helpful, please tell me why not...write on back side if you need more room.)

11. You have used _____ techniques taught in these videos to study for your classes.

   more than 9   7-9   (4-6)   1-3   0

   (If you did NOT use any techniques, please tell me why not...write on back side if you need more room.)

12. Your grade improved by applying these techniques (mentioned in the last question).

   Strongly Agree   (Agree)   Neutral   Disagree   Strongly Disagree

   (If these techniques did NOT improve your grade, please tell me why not...write on back side if you need more room.)

13. You recommend these videos to other students.

   Strongly Agree   Agree   (Neutral)   Disagree   Strongly Disagree

Final Survey for EASSSE   Kristin Cornute
6/8/17

Please answer to the best of your memory. Thank you for your participation. Return to your professor when you are done.

1. How many times did you watch video 1? __1__   When was the last time you saw video 1? __within the last week__

2. How many times did you watch video 2? __1__   When was the last time you saw video 2? _____

3. How many times did you watch video 3? __1__   When was the last time you saw video 3? _____

4. How many times did you watch video 4? __1__   When was the last time you saw video 4? _____

5. How many times did you watch video 5? __1__   When was the last time you saw video 5? _____

6. How many times did you watch video 6? __1__   When was the last time you saw video 6? _____

7. How many times did you watch video 7? __1__   When was the last time you saw video 7? _____

8. How many times did you watch video 8? __1__   When was the last time you saw video 8? _____

9. How many times did you watch video 9? __1__   When was the last time you saw video 9? _____

10. These videos helped you in your studying.

Strongly Agree   (Agree)   Neutral   Disagree   Strongly Disagree

(If these videos were NOT helpful, please tell me why not...write on back side if you need more room.)

11. You have used _____ techniques taught in these videos to study for your classes.

more than 9   (7-9)   4-6   1-3   0

(If you did NOT use any techniques, please tell me why not...write on back side if you need more room.)

12. Your grade improved by applying these techniques (mentioned in the last question).

(Strongly Agree)   Agree   Neutral   Disagree   Strongly Disagree

(If these techniques did NOT improve your grade, please tell me why not...write on back side if you need more room.)

13. You recommend these videos to other students.

(Strongly Agree)   Agree   Neutral   Disagree   Strongly Disagree

Maria Garcia

Final Survey for EASSSE

Please answer to the best of your memory. Thank you for your participation. Return to your professor when you are done.

1. How many times did you watch video 1? __________   When was the last time you saw video 1? *last month*
2. How many times did you watch video 2? __________   When was the last time you saw video 2? *this month*
3. How many times did you watch video 3? __________   When was the last time you saw video 3? *this month*
4. How many times did you watch video 4? __________   When was the last time you saw video 4? *doing this weekend*
5. How many times did you watch video 5? _____   When was the last time you saw video 5? _____
6. How many times did you watch video 6? _____   When was the last time you saw video 6? _____
7. How many times did you watch video 7? _____   When was the last time you saw video 7? _____
8. How many times did you watch video 8? _____   When was the last time you saw video 8? _____
9. How many times did you watch video 9? _____   When was the last time you saw video 9? _____

10. These videos helped you in your studying.

    Strongly Agree   Agree   (Neutral)   Disagree   Strongly Disagree

    (If these videos were NOT helpful, please tell me why not…write on back side if you need more room.)

11. You have used _____ techniques taught in these videos to study for your classes.

    more than 9   7-9   4-6   (1-3)   0

    (If you did NOT use any techniques, please tell me why not…write on back side if you need more room.)

12. Your grade improved by applying these techniques (mentioned in the last question).

    Strongly Agree   Agree   (Neutral)   Disagree   Strongly Disagree

    (If these techniques did NOT improve your grade, please tell me why not…write on back side if you need more room.)

13. You recommend these videos to other students.

    Strongly Agree   (Agree)   Neutral   Disagree   Strongly Disagree

Final Survey for EASSSE

Please answer to the best of your memory. Thank you for your participation. Return to your professor when you are done.

1. How many times did you watch video 1? __1__   When was the last time you saw video 1? __April__
2. How many times did you watch video 2? __1__   When was the last time you saw video 2? __April__
3. How many times did you watch video 3? __1__   When was the last time you saw video 3? __April__
4. How many times did you watch video 4? __1__   When was the last time you saw video 4? __April__
5. How many times did you watch video 5? __1__   When was the last time you saw video 5? __April__
6. How many times did you watch video 6? __1__   When was the last time you saw video 6? __April__
7. How many times did you watch video 7? __1__   When was the last time you saw video 7? __April__
8. How many times did you watch video 8? __1__   When was the last time you saw video 8? __Apirl__
9. How many times did you watch video 9? __1__   When was the last time you saw video 9? __Apirl__

10. These videos helped you in your studying.

Strongly Agree   (Agree)   Neutral   Disagree   Strongly Disagree

(If these videos were NOT helpful, please tell me why not…write on back side if you need more room.)

11. You have used _____ techniques taught in these videos to study for your classes.

more than 9   7-9   (4-6)   1-3   0

(If you did NOT use any techniques, please tell me why not…write on back side if you need more room.)

12. Your grade improved by applying these techniques (mentioned in the last question).

Strongly Agree   (Agree)   Neutral   Disagree   Strongly Disagree

(If these techniques did NOT improve your grade, please tell me why not…write on back side if you need more room.)

13. You recommend these videos to other students.

Strongly Agree   (Agree)   Neutral   Disagree   Strongly Disagree

Final Survey for EASSSE

Gwila Galeon
Anat 10A Beta Meyer

Please answer to the best of your memory. Thank you for your participation. Return to your professor when you are done.

1. How many times did you watch video 1? __1__   When was the last time you saw video 1? __2 weeks ago__
2. How many times did you watch video 2? __1__   When was the last time you saw video 2? __2 weeks ago__
3. How many times did you watch video 3? __1__   When was the last time you saw video 3? __2 weeks ago__
4. How many times did you watch video 4? __1__   When was the last time you saw video 4? __2 weeks ago__
5. How many times did you watch video 5? __1__   When was the last time you saw video 5? __2 weeks ago__
6. How many times did you watch video 6? __1__   When was the last time you saw video 6? __2 weeks ago__
7. How many times did you watch video 7? __1__   When was the last time you saw video 7? __2 weeks ago__
8. How many times did you watch video 8? __1__   When was the last time you saw video 8? __2 weeks ago__
9. How many times did you watch video 9? __1__   When was the last time you saw video 9? __2 weeks ago__

10. These videos helped you in your studying.

Strongly Agree   (Agree)   Neutral   Disagree   Strongly Disagree

(If these videos were NOT helpful, please tell me why not...write on back side if you need more room.)

Honestly, I did this Sabbatical course for extra credit. However, when I watched it, it really improved my ways of studying.

11. You have used _____ techniques taught in these videos to study for your classes.

more than 9   (7-9)   4-6   1-3   0

(If you did NOT use any techniques, please tell me why not...write on back side if you need more room.)

Before I watched the videos, I was already using some of the techniques. I wasn't aware that I'm studying correctly. My classmates in anatomy always ask me why I get high grades in my exam but I don't know how to explain how I study, (☆)

12. Your grade improved by applying these techniques (mentioned in the last question).

Strongly Agree   (Agree)   Neutral   Disagree   Strongly Disagree

(If these techniques did NOT improve your grade, please tell me why not...write on back side if you need more room.)

(☆) Therefore, I think the videos will help many students on how to study properly and correctly. I totally recommend these videos to other students.

13. You recommend these videos to other students.

(Strongly Agree)   Agree   Neutral   Disagree   Strongly Disagree

Jesse [illegible]

Final Survey for EASSSE

Please answer to the best of your memory. Thank you for your participation. Return to your professor when you are done.

1. How many times did you watch video 1? _Once_   When was the last time you saw video 1? _5/24/17 9:0²_
2. How many times did you watch video 2? _Once_   When was the last time you saw video 2? _5/24/17 K₁_
3. How many times did you watch video 3? _Once_   When was the last time you saw video 3? _5/24/17_
4. How many times did you watch video 4? _Once_   When was the last time you saw video 4? _5/24/17_
5. How many times did you watch video 5? _Once_   When was the last time you saw video 5? _5/24/17_
6. How many times did you watch video 6? _Once_   When was the last time you saw video 6? _5/24/17_
7. How many times did you watch video 7? _Once_   When was the last time you saw video 7? _5/24/17_
8. How many times did you watch video 8? _Once_   When was the last time you saw video 8? _5/24/17_
9. How many times did you watch video 9? _Once_   When was the last time you saw video 9? _5/24/17_

10. These videos helped you in your studying.

   Strongly Agree   (Agree)   Neutral   Disagree   Strongly Disagree

   (If these videos were NOT helpful, please tell me why not…write on back side if you need more room.)

11. You have used _____ techniques taught in these videos to study for your classes.

   more than 9   7-9   (4-6)   1-3   0

   (If you did NOT use any techniques, please tell me why not…write on back side if you need more room.)

12. Your grade improved by applying these techniques (mentioned in the last question).

   Strongly Agree   Agree   (Neutral)   Disagree   Strongly Disagree

   (If these techniques did NOT improve your grade, please tell me why not…write on back side if you need more room.)

   I have not been able to apply these techiques as I
   have not been tested since I watched these videos.
   I am applying these techiques to help me study for finals.

13. You recommend these videos to other students.

   (Strongly Agree)   Agree   Neutral   Disagree   Strongly Disagree

Final Survey for EASSSE

Brittany Jones
—Anatomy 10,

Please answer to the best of your memory. Thank you for your participation. Return to your professor when you are done.

1. How many times did you watch video 1? __2__   When was the last time you saw video 1? __2 days ago__
2. How many times did you watch video 2? __1__   When was the last time you saw video 2? __2 days ago.__
3. How many times did you watch video 3? __1__   When was the last time you saw video 3? __2 days ago__
4. How many times did you watch video 4? __1__   When was the last time you saw video 4? __2 days ago__
5. How many times did you watch video 5? __1__   When was the last time you saw video 5? __2 days ago__
6. How many times did you watch video 6? __1__   When was the last time you saw video 6? __1 day ago__
7. How many times did you watch video 7? __1__   When was the last time you saw video 7? __1 day ago__
8. How many times did you watch video 8? __1__   When was the last time you saw video 8? __1 day ago__
9. How many times did you watch video 9? __1__   When was the last time you saw video 9? __1 day ago__

10. These videos helped you in your studying.

    (Strongly Agree)   Agree   Neutral   Disagree   Strongly Disagree

    (If these videos were NOT helpful, please tell me why not…write on back side if you need more room.)

11. You have used _____ techniques taught in these videos to study for your classes.

    more than 9   7-9   4-6   **(1-3)**   0

    (If you did NOT use any techniques, please tell me why not…write on back side if you need more room.)

12. Your grade improved by applying these techniques (mentioned in the last question).

    Strongly Agree   **(Agree)**   Neutral   Disagree   Strongly Disagree

    (If these techniques did NOT improve your grade, please tell me why not…write on back side if you need more room.)

13. You recommend these videos to other students.

    (Strongly Agree)   Agree   Neutral   Disagree   Strongly Disagree

Daisy Garcia

Final Survey for EASSSE

Please answer to the best of your memory. Thank you for your participation. Return to your professor when you are done.

1. How many times did you watch video 1? __1__   When was the last time you saw video 1? _Two weeks ago_
2. How many times did you watch video 2? __1__   When was the last time you saw video 2? _Two weeks ago_
3. How many times did you watch video 3? __1__   When was the last time you saw video 3? _Two weeks ago_
4. How many times did you watch video 4? __1__   When was the last time you saw video 4? _Two weeks ago_
5. How many times did you watch video 5? __1__   When was the last time you saw video 5? _Two weeks ago_
6. How many times did you watch video 6? __1__   When was the last time you saw video 6? _Two weeks ago_
7. How many times did you watch video 7? __1__   When was the last time you saw video 7? _Two weeks ago_
8. How many times did you watch video 8? __1__   When was the last time you saw video 8? _Two weeks ago_
9. How many times did you watch video 9? __1__   When was the last time you saw video 9? _Two weeks ago_

10. These videos helped you in your studying.

    (Strongly Agree)   Agree   Neutral   Disagree   Strongly Disagree

    (If these videos were NOT helpful, please tell me why not…write on back side if you need more room.)

11. You have used _____ techniques taught in these videos to study for your classes.

    more than 9   7-9   4-6   **(1-3)**   0

    (If you did NOT use any techniques, please tell me why not…write on back side if you need more room.)

12. Your grade improved by applying these techniques (mentioned in the last question).

    Strongly Agree   **(Agree)**   Neutral   Disagree   Strongly Disagree

    (If these techniques did NOT improve your grade, please tell me why not…write on back side if you need more room.)

13. You recommend these videos to other students.

    (Strongly Agree)   Agree   Neutral   Disagree   Strongly Disagree

Final Survey for EASSSE

For Lori
From Cordy S.

Please answer to the best of your memory. Thank you for your participation. Return to your professor when you are done.

1. How many times did you watch video 1? **2-3**   When was the last time you saw video 1? **w/in last 3 weeks**
2. How many times did you watch video 2? **2-3**   When was the last time you saw video 2? **w/in last 3 weeks**
3. How many times did you watch video 3? **2-3**   When was the last time you saw video 3? **w/in last 3 weeks**
4. How many times did you watch video 4? **2-3**   When was the last time you saw video 4? **w/in last 3 weeks**
5. How many times did you watch video 5? **2-3**   When was the last time you saw video 5? **w/in last 3 weeks**
6. How many times did you watch video 6? **2-3**   When was the last time you saw video 6? **w/in last 3 weeks**
7. How many times did you watch video 7? **2-3**   When was the last time you saw video 7? **w/in last 3 weeks**
8. How many times did you watch video 8? **2-3**   When was the last time you saw video 8? **w/in last 3 weeks**
9. How many times did you watch video 9? **2-3**   When was the last time you saw video 9? **w/in last 3 week**

10. These videos helped you in your studying.

** (**Strongly Agree**)   Agree   Neutral   Disagree   Strongly Disagree

(If these videos were NOT helpful, please tell me why not…write on back side if you need more room.)

I learned so many tips + knowledge on how our brains function during studying. My studying habits have improved and I have retained more info and do better on exams. Thank you!

11. You have used _____ techniques taught in these videos to study for your classes.

(**more than 9**)   7-9   4-6   1-3   0

(If you did NOT use any techniques, please tell me why not…write on back side if you need more room.)

12. Your grade improved by applying these techniques (mentioned in the last question).

(**Strongly Agree**)   Agree   Neutral   Disagree   Strongly Disagree

(If these techniques did NOT improve your grade, please tell me why not…write on back side if you need more room.)

13. You recommend these videos to other students.

yes! → (**Strongly Agree**)   Agree   Neutral   Disagree   Strongly Disagree

Final Survey for EASSSE

Please answer to the best of your memory. Thank you for your participation. Return to your professor when you are done.

1. How many times did you watch video 1? ___1___   When was the last time you saw video 1? _2 month ago_
2. How many times did you watch video 2? ___1___   When was the last time you saw video 2? _2 month ago_
3. How many times did you watch video 3? ___1___   When was the last time you saw video 3? _2 month ago_
4. How many times did you watch video 4? ___1___   When was the last time you saw video 4? _4 weeks ago_
5. How many times did you watch video 5? ___1___   When was the last time you saw video 5? _4 weeks ago_
6. How many times did you watch video 6? ___1___   When was the last time you saw video 6? _4 weeks ago_
7. How many times did you watch video 7? ___2___   When was the last time you saw video 7? _4 weeks ago_
8. How many times did you watch video 8? ___1___   When was the last time you saw video 8? _4 weeks ago_
9. How many times did you watch video 9? ___1___   When was the last time you saw video 9? _4 weeks ago_

10. These videos helped you in your studying.

   Strongly Agree   (Agree)   Neutral   Disagree   Strongly Disagree

   (If these videos were NOT helpful, please tell me why not…write on back side if you need more room.)

11. You have used _____ techniques taught in these videos to study for your classes.

   more than 9   7-9   (4-6)   1-3   0

   (If you did NOT use any techniques, please tell me why not…write on back side if you need more room.)

12. Your grade improved by applying these techniques (mentioned in the last question).

   Strongly Agree   Agree   Neutral   (Disagree)   Strongly Disagree

   (If these techniques did NOT improve your grade, please tell me why not…write on back side if you need more room.)

13. You recommend these videos to other students.

   Strongly Agree   (Agree)   Neutral   Disagree   Strongly Disagree

Final Survey for EASSSE

Please answer to the best of your memory. Thank you for your participation. Return to your professor when you are done.

1. How many times did you watch video 1? __1__   When was the last time you saw video 1? __the First time__

2. How many times did you watch video 2? __1__   When was the last time you saw video 2? __the First time__

3. How many times did you watch video 3? __1__   When was the last time you saw video 3? __the First time__

4. How many times did you watch video 4? __1__   When was the last time you saw video 4? __the First time__

5. How many times did you watch video 5? __1__   When was the last time you saw video 5? __the First time__

6. How many times did you watch video 6? __1__   When was the last time you saw video 6? __the First time__

7. How many times did you watch video 7? __1__   When was the last time you saw video 7? __the First time__

8. How many times did you watch video 8? __1__   When was the last time you saw video 8? __the First time__

9. How many times did you watch video 9? __1__   When was the last time you saw video 9? __the First time__

10. These videos helped you in your studying.

    Strongly Agree   (Agree)   Neutral   Disagree   Strongly Disagree

    (If these videos were NOT helpful, please tell me why not…write on back side if you need more room.)

11. You have used _____ techniques taught in these videos to study for your classes.

    more than 9   (7-9)   4-6   1-3   0

    (If you did NOT use any techniques, please tell me why not…write on back side if you need more room.)

12. Your grade improved by applying these techniques (mentioned in the last question).

    Strongly Agree   (Agree)   Neutral   Disagree   Strongly Disagree

    (If these techniques did NOT improve your grade, please tell me why not…write on back side if you need more room.)

13. You recommend these videos to other students.

    (Strongly Agree)   Agree   Neutral   Disagree   Strongly Disagree

Final Survey for EASSSE

Please answer to the best of your memory. Thank you for your participation. Return to your professor when you are done.

1. How many times did you watch video 1? __1__   When was the last time you saw video 1? __2 weeks ago__

2. How many times did you watch video 2? __1__   When was the last time you saw video 2? __2 weeks ago__

3. How many times did you watch video 3? __1__   When was the last time you saw video 3? __2 weeks ago__

4. How many times did you watch video 4? __1__   When was the last time you saw video 4? __2 weeks ago__

5. How many times did you watch video 5? __1__   When was the last time you saw video 5? __2 weeks ago__

6. How many times did you watch video 6? __1__   When was the last time you saw video 6? __1 week ago__

7. How many times did you watch video 7? __1__   When was the last time you saw video 7? __1 week ago__

8. How many times did you watch video 8? __1__   When was the last time you saw video 8? __1 week ago__

9. How many times did you watch video 9? __1__   When was the last time you saw video 9? __1 week ago__

10. These videos helped you in your studying.

   (Strongly Agree)   Agree   Neutral   Disagree   Strongly Disagree

   (If these videos were NOT helpful, please tell me why not…write on back side if you need more room.)

11. You have used _____ techniques taught in these videos to study for your classes.

   more than 9   7-9   (4-6)   1-3   0

   (If you did NOT use any techniques, please tell me why not…write on back side if you need more room.)

12. Your grade improved by applying these techniques (mentioned in the last question).

   Strongly Agree   (Agree)   Neutral   Disagree   Strongly Disagree

   (If these techniques did NOT improve your grade, please tell me why not…write on back side if you need more room.)

13. You recommend these videos to other students.

   (Strongly Agree)   Agree   Neutral   Disagree   Strongly Disagree

Final Survey for EASSSE

Please answer to the best of your memory. Thank you for your participation. Return to your professor when you are done.

1. How many times did you watch video 1? ___ONCE_____ When was the last time you saw video 1?_6/10/17_____
2. How many times did you watch video 2? _____ONCE____ When was the last time you saw video 2? ___6/10/17_____
3. How many times did you watch video 3? _____ONCE____ When was the last time you saw video 3? _6/10/17_____
4. How many times did you watch video 4? _____ONCE___ When was the last time you saw video 4? 6/10/17_____
5. How many times did you watch video 5? _____ONCE____ When was the last time you saw video 5? ___6/10/17_____
6. How many times did you watch video 6? _____ONCE____ When was the last time you saw video 6? _6/10/17_____
7. How many times did you watch video 7? _____ONCE____ When was the last time you saw video 7? __6/10/17_____
8. How many times did you watch video 8? _____ONCE___ When was the last time you saw video 8? ___6/10/17_____
9. How many times did you watch video 9? ____ONCE_____ When was the last time you saw video 9? _6/10/17_____

10. These videos helped you in your studying.

   Strongly Agree   Agree   Neutral   Disagree   Strongly Disagree

   (If these videos were NOT helpful, please tell me why not…write on back side if you need more room.)

MAYBE IF I HAD WATCHED THEM EARLIER IN THE YEAR THEY WOUD HAVE HELPED MORE BUT I AM VERY CONTENT WITH THE STUDY TECHNIQUES THAT I HAVE CURRENTLY THAT WERE SHOWN IN THE VIDEOS

11. You have used _____ techniques taught in these videos to study for your classes.

   more than 9   7-9   4-6   1-3   0

   (If you did NOT use any techniques, please tell me why not…write on back side if you need more room.)

MOST OF THESE TECHNIQUES I HAVE HEARD OF BEFORE OF I CURRENTLY DO MYSELF IN ORDER TO STUDY FOR TESTS, BUT I DID LEARN SOME NEW SOME NEW STUY TECHNIQUES FROM THESE VIDEOS AS WEL

12. Your grade improved by applying these techniques (mentioned in the last question).

   Strongly Agree   Agree   Neutral   Disagree   Strongly Disagree

   (If these techniques did NOT improve your grade, please tell me why not…write on back side if you need more room.)

THE TECHNIQUES THAT I DID USE ALREADY FOR MYSELF THAT WERE MENTIONED IN THE VIDEOS DID HELP A LOT FOR THE PRACTICUM ESPECIALLY.

Appendix E

Alison's Anat 36 students Spring 2017

COLUMN1	COLUMN2	COLUMN3
1	na	Dropped
1	102.4%	
1	99.6%	
1	98.6%	
1	97.7%	
1	96.8%	
1	96.2%	
1	95.4%	
1	94.6%	
1	93.7%	
1	93.2%	
2	93.0%	
2	91.9%	
1	90.6%	
1	90.3%	
1	90.2%	
1	88.8%	
2	86.3%	
2	85.7%	
2	85.0%	
1	83.5%	
1	82.0%	
1	81.9%	
1	81.8%	
1	77.9%	
2	77.1%	
1	77.0%	
1	76.9%	
1	74.3%	
1	71.9%	
1	59.1%	

COLUMN1
1=watched at least one video before week 16
2=Did Not watch videos

COLUMN2
TOTAL PERCENT IN CLASS

COLUMN3
A "D" is student ended up dropping

Alison's Anat 35 students Spring 2017

COLUMN1	COLUMN2	COLUMN3
1	na	Dropped
2	na	Dropped
2	na	Dropped
2	na	Dropped
2	na	Dropped
2	na	Dropped
2	na	Dropped
2	na	Dropped
2	na	Dropped
1	102.3%	
1	101.7%	
1	100.2%	
1	99.4%	
1	99.3%	
1	98.7%	
1	98.4%	
2	98.0%	
1	94.3%	
1	91.0%	
2	90.9%	
1	90.9%	
1	90.9%	
1	90.5%	
1	90.5%	
1	88.8%	
1	87.8%	
1	87.0%	
2	84.9%	
1	82.8%	
1	82.1%	
1	82.1%	
1	79.3%	
1	78.2%	
1	75.3%	
1	72.6%	
1	70.5%	
1	69.4%	

COLUMN1
1=watched at least one video before week 16
2=Did Not watch videos

COLUMN2
TOTAL PERCENT IN CLASS

COLUMN3
A "D" is student ended up dropping

From: Alison Chamberlain/Biology/NaturalSciencesDiv/MtSAC
To: Kim Nguyen/Biology/NaturalSciencesDiv/MtSAC@MtSAC

Date: Tuesday, June 20, 2017 03:03PM
Subject: Re: Reporting Grades for EASSSE

History: ✦ This message has been replied to.

Hi Loni,
These grades are not very typical from previous semesters.   I had many more As and Bs and fewer
drops and Fs. I've attached two word documents with a pie chart of this semester's grades
compared to the last 4 semesters (including this one).

Alison Chamberlain
Professor of Anatomy & Physiology
Mt. San Antonio College
(909) 274-6356
achamberlain3@mtsac.edu

(See attached file: physio compare.docx)(See attached file: anat compare.docx)

▼Kim Nguyen---06/16/2017 11:48:25 PM---Alison, Thanks for the grades. I compared group 1 & 2
in both classes and there is not much of a di

From: Kim Nguyen/Biology/NaturalSciencesDiv/MtSAC
To: Alison Chamberlain/Biology/NaturalSciencesDiv/MtSAC@MtSAC
Date: 06/16/2017 11:48 PM
Subject: Re: Reporting Grades for EASSSE

Alison,

Thanks for the grades. I compared group 1 & 2 in both classes and there is not much of a difference
in the average. I did notice that most of those who dropped in A35 did not watch. Are these grades
typical compared to previous semesters?

Loni

-----Alison Chamberlain/Biology/NaturalSciencesDiv/MtSAC wrote: -----
To: Kim Nguyen/Biology/NaturalSciencesDiv/MtSAC@MtSAC
From: Alison Chamberlain/Biology/NaturalSciencesDiv/MtSAC
Date: 06/16/2017 03:19PM
Subject: Re: Reporting Grades for EASSSE

Hi Loni,
I've attached my course data for you. You will find two different sheets.

Please let me know if you have any questions!

1=watched at least 1 video	200	Max.P	655		
		COURSE	FINAL		
Code	Video	GRADE	EXAM	Total	Percentage
Daisy	1	A	164	590	90%
Ocean	1	A	178	590	90%
Scorpion	1	A	160	594	91%
Husky	1	B	174	543	83%
Water	1	B	134	523	80%
Islands	1	C	142	480	73%
Primrose	1	C	124	483	74%
Soil	1	C	110	452	69%
Waves	1	C	114	460	70%
Oak	1	C	142	468	71%
Oceans	1	C	138	490	75%
Naturelov	1	C	144	506	77%
Electricity	1	C	142	485	74%
Constella	1	C	138	482	74%
Polyethyl	1	D	120	405	62%
Tulip	1	D	104	414	63%
Realize		A	168	593	91%
Cedar		A	174	603	92%
Veggie		B	138	523	80%
Planeteer		B	172	528	81%
Hybrid		B	154	538	82%
Energy		B	148	531	81%
Diesel		C	118	460	70%
Mango		C	126	494	75%
Earth		C	142	464	71%
Willow		C	118	497	76%
Woods		C	126	474	72%
Recycle		D	80	329	50%
Sea		D	70	338	52%
Summary					
Watched video		not watched video			
A	3		2		
B	2		4		
C	9		5		
D	2		2		
F	0		0		
Dropped	0		10		
Gold		F		132	20%
Saladdays		F		150	23%
Biological		F		41	6%
Lake		F		61	9%
Plastic		F		67	10%
Mitochondria		F		28	4%
Pollution		F		40	6%
Live		F		68	10%
Air		F		14	2%
Geyser		F		28	4%
		F		0	0%
		F		0	0%
		F		0	0%
		F		0	0%
		F		0	0%
		F		0	0%
Dolphin		F		0	0%
Tierra		F		36	5%

I certify that these records are true and accurate _____   As of 7/24/2017

Mt. San Antonio Class Record

CODE	Video View	COURSE GRADE	Total	Percenta
0.0 Units		0.0 Units	Wed	3:30-6:40
Video view 1= viewed video				
			Max.Pts.	204.0
Swedishfish	1	A	192	94%
Luna	1	A	188	92%
Nuclear	1	C	160	78%
Acid	1	C	149	73%
Life	1	C	161	79%
Disease	1	D	114	56%
Blood	1	D	135	66%
Diffusion		A	185	90%
Komodo		A	186	91%
Arboreal		A	209	102%
Toad		B	166	81%
Cellular		B	170	83%
Carbon		B	172	84%
Magnification		C	159	78%
DNA		C	155	76%
Rooster		C	152	75%
Lab		C	162	79%
ate		C	160	78%
Moon		C	160	78%
Oracle		C	155	76%
Cells		C	157	77%
Syrup		D	126	62%
Protein		D	125	61%
Tissue		D	118	58%

Summary				
Watched video		not watched video		
A	2	3		
B	0	3		
C	3	8		
D	2	3		0%
F	0	0		0%
Dropped	0	7		0%
Monarch		F	13	6%
Cell		F	0	0%
Plant		F	13	6%
Animal		F	10	5%
Cell		F	0	0%
Apple		F	0	0%

I certify that these records are true and accurate _____   As of 7/24/2017

Janine's Bio 20 Marine Bio Lecture

COLUMN1	COLUMN2	COLUMN3
1	103.3	
1	102.0	
2	100.0	
1	97.7	
1	94.1	
1	93.1	
1	92.8	
1	91.7	
1	90.4	
1	90.1	
2	89.6	
2	87.6	
1	86.8	
1	86.3	
1	84.8	
1	83.2	
1	80.0	
2	79.2	
2	76.2	
1	75.8	
2	75.5	
1	75.1	
1	72.4	
1	72.3	
2	69.6	
1	68.7	
2	64.4	
2	60.1	
2	48.3	
2	45.8	
2	32.1	

COLUMN1
1=Watched Videos
2=Did Not Watch Videos

COLUMN2
TOTAL PERCENT IN CLASS

COLUMN3
Add "D" is student ended up dropping, otherwise nothing

Janine's Bio 1 Thu Lab

COLUMN1	COLUMN2	COLUMN3
1	100.5	
2	93.4	
1	92.9	
1	92.2	
1	90.8	
2	88.0	
2	87.6	
1	81.2	
1	80.6	
2	79.7	
1	78.2	
1	76.4	
2	73.2	
1	72.7	
2	72.3	
1	72.3	
1	72.2	
2	71.8	
1	68.0	
1	63.9	
1	50.0	
1	45.6	
1	37.8	
2	35.9	
2	34.1	
1	31.3	
1	27.4	
2	23.0	

COLUMN1
1=Watched Videos
2=Did Not Watch Videos

COLUMN2
TOTAL PERCENT IN CLASS

COLUMN3
Add "D" is student ended up dropping, otherwise nothing

From: Janine Kido/Biology/NaturalSciencesDiv/MtSAC
To: Kim Nguyen/Biology/NaturalSciencesDiv/MtSAC@MtSAC

Date: Monday, June 26, 2017 02:25PM
Subject: Re: Reporting Grades for EASSSE

History: ✦ This message has been replied to.

Hi Loni
Attached are the names of those who watched the videos. Also, you had mentioned that my
Thursday lab did not follow the trend like my other classes did and I wanted to mention that that
class was rather low scoring than a typical class. Three of the Thursday lab students who watched
the videos stopped attending class about midway through but never dropped the class. So that also
accounts for the atypical average.

Janine Kido
Mt. San Antonio College
Department of Biology
1100 N. Grand Ave.
Walnut, CA 91789
(909) 274-4219
jkido@mtsac.edu

-----Kim Nguyen/Biology/NaturalSciencesDiv/MtSAC wrote: -----
> To: Janine Kido/Biology/NaturalSciencesDiv/MtSAC@MtSAC
> From: Kim Nguyen/Biology/NaturalSciencesDiv/MtSAC
> Date: 06/22/2017 06:30PM
> Subject: Re: Reporting Grades for EASSSE
>
> Janine,
>
> When you have a chance, please send me the names of students who saw the videos by class:
> Marine, Bio lab on Tue, and Bio lab on Thurs.
>
> Loni
>
> -----Janine Kido/Biology/NaturalSciencesDiv/MtSAC wrote: -----
>> To: Kim Nguyen/Biology/NaturalSciencesDiv/MtSAC@MtSAC
>> From: Janine Kido/Biology/NaturalSciencesDiv/MtSAC
>> Date: 06/21/2017 10:08PM
>> Subject: Re: Reporting Grades for EASSSE
>>
>> Hi Loni
>> Here are my grades. Sorry for the delay. Hope they are helpful to you!
>>
>>
>> Janine Kido
>> Mt. San Antonio College
>> Department of Biology
>> 1100 N. Grand Ave.

1= watched videos
2= did not watch videos

Tim's BIO 1		TIM's BIO 2 AM		PM	
1	93.9%	2	81.4%	2	83.7%
2	80.7%	2	94.4%	2	82.2%
2	65.1%	2	16.5%	2	69.6%
2	58.2%	2	10.2%	2	84.4%
2	19.7%	2	1.3%	1	74.3%
2	52.8%	2	7.6%	2	50.2%
2	70.1%	2	62.3%	2	78.5%
2	67.1%	2	10.9%	1	90.1%
2	20.5%	2	1.4%	2	80.7%
2	28.7%	1	80.4%	2	17.6%
2	13.2%	2	30.3%	2	95.8%
2	67.1%	2	17.9%	2	70.3%
2	87.3%	2	86.2%	2	81.2%
2	76.3%	1	85.8%	2	0.0%
2	65.4%	2	28.5%	2	83.7%
2	89.9%	2	82.2%	1	90.4%
2	0.0%	2	0.0%	2	6.5%
2	75.9%	2	85.7%	1	87.1%
2	84.6%	2	90.0%	1	94.0%
2	75.0%	2	18.6%	2	98.0%
2	80.0%	2	91.2%	2	97.5%
2	33.5%	2	94.0%	2	72.7%
2	90.2%	2	81.5%	2	94.2%
2	92.8%	2	77.1%	2	86.6%
2	0.0%	2	0.0%	2	83.2%
2	80.1%	2	75.7%	2	95.1%
2	60.0%	2	18.2%	2	96.1%
2	4.4%	2	76.0%		
2	80.0%	2	61.1%		
2	70.3%				
2	75.9%				

Bio 3
  0.73825
  0.822125
  0.87475
  0.68975

Bio 4
  0.931613
  0.916129
  0.668387

From:	Cindy Shannon/Biology/NaturalSciencesDiv/MtSAC
To:	Kim Nguyen/Biology/NaturalSciencesDiv/MtSAC@MtSAC

Date:	Friday, June 16, 2017 10:44PM
Subject:	Re: Reporting Grades for EASSSE

History: ✦ This message has been replied to.

Hi Loni,
Here are the final percents for my students.
I separated them by Bio 3 and Bio 4.
We are off to our place in Washington Sunday and not back until mid-August.
If you need anything else please use my gmail istudyeagles@gmail.com
Thanks!
Cindy
(See attached file: Shannon final percent.xlsx)
Cynthia J. Shannon, Ph.D.
Biology Professor
Mt San Antonio College

▽ Kim Nguyen---06/13/2017 12:26:33 AM---Hi all, Please use the same format as suggested by Alison (see attachment) to report grades for me.

From: Kim Nguyen/Biology/NaturalSciencesDiv/MtSAC
To: Alison Chamberlain/Biology/NaturalSciencesDiv/MtSAC@MtSAC
Cc: Karyn Kakiba-Russell/Biology/NaturalSciencesDiv/MtSAC@MtSAC, Janine
Kido/Biology/NaturalSciencesDiv/MtSAC@MtSAC, Elizabeta
Meyer/Biology/NaturalSciencesDiv/MtSAC@MtSAC, Tim
Revell/Biology/NaturalSciencesDiv/MtSAC@MtSAC, Cindy
Shannon/Biology/NaturalSciencesDiv/MtSAC@MtSAC
Date: 06/13/2017 12:26 AM
Subject: Reporting Grades for EASSSE

Hi all,

Please use the same format as suggested by Alison (see attachment) to report grades for me. It will help with consistent data while hiding identity of students. (Too many students did not want me to track their grades individually.) Great suggestion, Alison!

So far, most students evaluated the videos favorably. As Alison, suggested, it could be that they are tired or short on time and did not want to write an explanation. The student's reporting is subjective while the grades that you are reporting will be more objective. Thus, I want to see if there is any difference in grades among the two groups. I will also consider that some students just started watching toward the end of the semester while others watched in the beginning. Because I don't know their identities, I can't track by individuals but I can by class. Some classes started watching at the very beginning while others started later.

Loni

Appendix F

Comparison: Overall Success Rates for NC Students in Other Science Courses vs Students Enrolled in Other Science Courses who did not take NC Contextualized Course
Spring, Summer and Fall 2016

	Success Rate of Students in Other Sciences											
	Spring 2016				Summer 2016				Fall 2016			
	NC Class Students*		No NC class Students**		NC Class Students*		No NC Class Students**		NC Class Students*		No NC Class Students**	
	Count	Percent	Count	Percent	Count	Percent	Count	Percent	Count	Percent	Count	Percent
Successful***	72	84.7%	2860	78.3%	3	75%	124	86.1%	35	92.1%	1881	80%
Not Successful	13	15.3%	794	21.7%	1	25%	20	13.9%	3	7.9%	470	20%
Total	85	100%	3654	100%	4	100%	144	100%	38	100%	2351	100%

Overall Comparison – Spring, Summer and Fall 2016 Combined

	Spring 2016, Summer 2016 and Fall 2016 Combined			
	NC Contextualized Students*		No NC Class Students**	
	Count	Percent	Count	Percent
Successful***	110	86.6%	4865	79.1%
Not Successful	17	13.4%	1284	20.9%
Total	127	100%	6149	100%

* *"NC Students" is based on enrollment in the Noncredit Contextualized course in Spring 2016 and Science Courses during Spring, Summer and Fall of 2016.*
** *"Students" not taking any NC class comparison group includes the students who were enrolled in the same science courses and were not a NC student. These courses include: AGOR 50, ANAT 10A, ANAT 10B, ANAT 35, ANAT 36, ANTH 1, ANTH 3, ANTH 22, ASTR 5, ASTR 8, BIOL 5, BIOL 6, BIOL 13, BIOL 17, BIOL 34, BTNY 3, CHEM 10, CHEM 20, CHEM 40, CHEM 51, CHEM 80, CHEM 81, CSCI 140, CSCI 145, CSCI 220, GEOG 1, GEOG 2, GEOL 8 , GEOL 10, OCEA 10 and PHYS 1*

Prepared by Vera Froman and Shannon Rider – Professional Experts, RIE

From: Kim Nguyen/Biology/NaturalSciencesDiv/MtSAC
To: Madelyn Arballo/ContinuingEducation/MtSAC@MtSAC
Cc: David Mirman/Biology/NaturalSciencesDiv/MtSAC@MtSAC, Donna
Necke/ABE/ContinuingEducation/MtSAC@MtSAC, Matthew
Judd/NaturalSciencesDiv/MtSAC@MtSAC, Karelyn
Hoover/NaturalSciencesDiv/MtSAC@MtSAC

Date: Sunday, June 04, 2017 03:46PM
Subject: Re: Biology basic skills data from Spring 2016

Hi Madelyn,

Thank you for all your work w/ Ed Design and Research and your enthusiasm! Will it be possible to
do a similar comparison of the two groups for Fall 2015, prior to taking the basic skill class. That is,
I want to know if these are strong students who self-selected to take the basic skill class because
they are highly motivated to do well.

I agree that we should offer students instruction in person as well as in other formats. I will be
returning to teach this Fall and will be happy to teach this course again. I am free Mon or Wed after
11:30am or Thurs before 2pm. We can offer this class in 2-hr block, once a week for the first 4
weeks. I think offering this during the first few weeks of class will be ideal. Please let me know if
you can find a room. So far, I don't know of any plans to offer this through the credit side.

Loni
-----Madelyn Arballo/ContinuingEducation/MtSAC wrote: -----
 To: David Mirman/Biology/NaturalSciencesDiv/MtSAC@MtSAC, Kim
 Nguyen/Biology/NaturalSciencesDiv/MtSAC@MtSAC
 From: Madelyn Arballo/ContinuingEducation/MtSAC
 Date: 06/03/2017 12:00AM
 Cc: Donna Necke/ABE/ContinuingEducation/MtSAC@MtSAC, Matthew
 Judd/NaturalSciencesDiv/MtSAC@MtSAC, Karelyn Hoover/NaturalSciencesDiv/MtSAC@MtSAC
 Subject: Biology basic skills data from Spring 2016

Hi, Loni and David,

I'm sorry we never made it to your area to meet with you about the data from last year's
noncredit learning support class. We had the Research Department run the data for course success
in science credit classes for students who attended the noncredit class. I didn't realize that the
students taking the class were also taking other science classes and not just biology. As you can
see, the data reflecting the outcomes are great! There are also comparisons with the students who
took the same science classes but did not attend the noncredit class. Some semesters have very
small numbers so it does affect the data. Overall, there is strong support for a noncredit co-
requisite/learning support.

Loni, I know that you have developed videos to fill the same purpose. I taught for many years,
and I'm well aware that providing a variety of learning modalities such as online support and direct
instruction is optimal for students. So it's great that the students have options. What I would ask
you to consider is that there is still a place for this class to be offered through noncredit. It's no
cost to students, no impact on GPA, and doesn't promote unnecessary unit creep. And because
many of these students are lacking basic skills, direct instruction is always going to be necessary.

Appendix G

SALARY AND LEAVES COMMITTEE
2015-16

APPLICATION FOR SABBATICAL LEAVE

Name of Applicant: **Kim-Leiloni T. Nguyen** Date: **Dec 1, 2015**

Department: **Biology** Division: **Natural Sciences**

Email: **knguyen@mtsac.edu** Ext.: **x4003** Phone (cell/home): **562-307-2234**

Address: **332 12th Street**

City: **Seal Beach, CA** Zip: **90740**

Dates of Adjunct Employment at Mt. SAC: **n/a** Accumulated LHE: **n/a**

Dates of Full Time Employment at Mt. SAC: **Aug 2000-now** Dates of last sabbatical: From **Aug 2007** To **June 2008**

Any Previous Sabbatical Leave(s)? ✔ No/Yes If yes, dates: From _____ To _____

Previous Leave(s) of Absence or breaks in service in the past 10 years?
✔ Yes/No Dates: **8/07-6/08 & Spr '12** Paid? ✔ Yes/No

Length of sabbatical leave requested:

10 Month: One semester ☐ Two semesters ✔ **11/12 Month:** Half Year ☐ Full Year ☐

Effective dates for proposed sabbatical leave:

10 Month: Fall (year) **2016** Spring (year) **2017**

11/12 Month: Start Date _____ End Date _____

☐ Formal Study ✔ Independent Study ☐ Work Experience

☐ Combination (specify) _____

I plan to use banked leave to supplement my sabbatical leave. ☐ No ✔ Yes*

(*If yes, you must submit a separate "Use Banked Leave" form to your Division office, be approved by your Dean, and received by Human Resources by the third week of the semester preceding your leave.)

ATTACHMENTS NEEDED

☑ A THREE TO FOUR SENTENCE ABSTRACT OF YOUR PLAN FOR PREPARATION OF THE BOARD OF TRUSTEES AGENDA.
☑ A COMPREHENSIVE, WRITTEN STATEMENT OF THE PROPOSED SABBATICAL ACTIVITY(IES) INCLUDING:
  - DESCRIPTION OF THE NATURE OF THE ACTIVITY(IES)
  - TIMELINE OF THE ACTIVITY(IES)
  - PROPOSED RESEARCH DESIGN AND METHOD(S) OF INVESTIGATION, IF APPLICABLE
☑ A STATEMENT OF THE ANTICIPATED VALUE AND BENEFIT OF THE PROPOSED SABBATICAL ACTIVITY(IES) TO THE APPLICANT, HIS/HER DEPARTMENT OR SERVICE AREA, AND THE COLLEGE.
☑ LETTERS OF RECOMMENDATION (ENCOURAGED).
☑ ACADEMIC REFERENCE LIST/ WORKS CITED/SELECTED BIBLIOGRAPHY

Any change or modification of the proposed sabbatical activity(ies) as evaluated and approved by the Salary and Leaves Committee must be submitted (in writing) to the Committee for reconsideration.

Applicant's Signature: _~signature~_ Date: **Dec. 1, 2015**

Vice President of Instruction

EAS³E

Effective Applications of Study Strategies in Science Education

Abstract

Anatomy 10A, Introduction to Human Anatomy, has a success rate of 36%-50%. A series of short animation videos will be created to teach students study strategies for content-dense courses like Anatomy. Feedback from students and faculty will show if there is a correlation between watching these videos and student success in these courses.

Background

When I first started teaching Anatomy, I found it disheartening to hear students complain that their grades did not reflect their efforts in studying. They spent many hours studying and were frustrated when they performed poorly on exams. Sharing their frustration, I inquired about their study habits and quickly realized that many of them did not know how to study efficiently or effectively for a content-dense course like Anatomy. I understood why their success rate is a dismal 36-50%. They struggled with the large volume of information and wanted to know how to study Anatomy. I have referred them to READ, LERN, and STDY courses on campus for extra help. However, few followed this suggestion because they did not have time to take extra classes that are 3 units each, requiring 3 hours per week for 16 weeks. Most students worked at least one job while enrolled in multiple classes so their time was very limited. They wanted to enroll only in the required curriculum to finish as soon as possible.

This challenge led me to develop Biology 50, a 0.5 unit course requiring only 9 hours total, to teach how the brain learns and how to apply brain-based study strategies to succeed in content-dense courses. With only 9 hours, this short course was more appealing to students than the other 3-unit study skill courses that required 48 hours. More importantly, Biology 50 was encouraged to be taken concurrently with another Biology course, such as General Biology, Microbiology, Anatomy, or Physiology, so that strategies taught in Biology 50 could be applied immediately to the paired content-dense course.

In developing Biology 50, I began reading about research in Neuroscience, especially the science of learning. (Bibliography is attached as Appendix A.) I became fascinated with how the brain processes, stores, and retrieves information. For example, from Higbee's book, I learned about memory techniques and how the brain remembers. From Medina's book, I learned about the importance of sleep and its role in learning. With the understanding of these cerebral processes, I began thinking from the student's perspective and started creating study techniques that would work with the brain rather than against the brain. I applied the findings of Neuroscience research to the content-dense subjects to make learning more efficient and effective. These strategies were taught in Biology 50 to help students succeed in content-dense courses. (Syllabus for Biology 50 is attached as Appendix B.)

Biology 50 was offered for a few years, 2009-2012, during fall and spring semesters as well as the winter and summer intersessions. I surveyed the students at the end of course every time it was offered. Incredibly, 87% of 239 students found the strategies helpful and would use them in their courses. (Data are attached in Appendix C.) Unfortunately, in 2012, Biology 50 was one of many classes that were cut due to budget constraints. Currently, it is still not offered because it is a stand-alone course and it does

study. Lastly, very few videos gave specific examples of applications of different strategies. In short, I have not found any video to teach what I have developed for Biology 50.

Therefore, I believe it is best to create these videos myself. I have some experiences with developing videos for my Anatomy students. These Anatomy videos are currently on my YouTube channel. I have asked the students who attended the workshop this semester if they would watch videos and over 80% supported this idea of viewing videos to learn study strategies, citing convenience as the main advantage. The ones who did not support the video format preferred the face-to-face lecture format. Of course, instructions given in person are best for students, but the advantages unique to the video format cannot be denied. With the support from these students, I propose creating a series of short videos to teach these learning strategies. They will be different than those presently online.

First, they will be short in length, no more than 5 minutes, because students don't want to waste their time. The short format will be easy to download, even with a slow Internet connection. The format will be animation cartoon. The shorter and more fun the videos, the higher the chances of students watching them. They can view these anywhere and anytime since they are so short. Interestingly, one student surveyed had specifically requested that the videos be 5 minutes maximum!

Second, the videos will be educational to teach how the brain learns. They will present the findings of Neuroscience research on learning and not just personal opinions. Students will understand brain-based learning concepts and know how to work with the brain rather than against the brain. Perhaps this will change how students study in all their future classes; they will study smarter!

Third, the videos will share different examples of how to apply the strategies to Science classes. Creativity is unlimited and with a few starting examples, this may spark the creation of a plethora of applications. By creating their own mnemonics, it will be easier for their brain to recall in the future. Studying will be more fun, more effective, and more efficient than just repetition alone.

Fourth, the videos will offer suggestions to manage the high volume of information in content-dense courses. Students are often overwhelmed with the large amount of vocabulary and only know of rote memorization, which is very difficult for the brain. Memorization techniques will be shared to make it easier for the brain to store and later retrieve the knowledge.

Fifth, the videos will encourage students to go beyond memorization, to understand the connectivity of the different Science concepts. In studying, students often stop at memorizing and fail to understand the concepts. Consequently, they do poorly on exams because exams are testing comprehension and application. With understanding, students will be encouraged to think critically. Critical thinking is an important skill that we all want our students to develop.

Lastly, these strategies will be presented in a series of animation videos to be watched in chronological order. The videos are arranged in a practical, student-oriented sequence, starting with what to do before lecture, during lecture, and after lecture. Then, they will learn what to do before exam, during exam, and after exam. With each video building upon the previous ones, step-by-step instructions are given. It will be easy for students to follow and apply. It is crucial that students follow the series in order because success on the exam is not just learning what to do during the exam. Students must prepare adequately before the exam in order to achieve success, and follow up afterward in order to understand errors. Following are the topics of the video series, each as a separate video:

videos within their immediate reach, this is an excellent source of students. His letter of support is attached as Appendix H.

First, I will collect immediate feedback from students after they have watched each video. I will ask them a few questions to assess if there is any confusion that needs to be clarified, if the content is helpful, and if they plan to use the strategies. These questions will be posted online and the students will also answer online. Their responses will be confidential and will only be seen by me. Their feedback will help me to modify the videos if needed. Since I will know their e-mail addresses, I will be able to communicate with them directly if needed. I will also track how many videos each student viewed and will count how many times each video is viewed. Rick Nguyen, Academic Applications Systems Specialist in the Information Technology Department, has been consulted and will provide technical support (Appendix E).

Second, after the tenth week of Spring Semester 2017, I will ask these participants to complete another survey to assess which learning strategies they are using in their Natural Science classes. I will also ask them to rate the helpfulness of these learning strategies. If they are not using these techniques, I will ask them why not. I will also ask for suggestions to improve these videos.

Third, at the end of the semester, I will ask the professors of the participants to report to me their grades. I will compare their academic performances to their use of the study strategies to see if there is a correlation between the two. Anticipating hundreds of student participants, I believe there will be an adequate sample size, and valid conclusions will be drawn from the collected data.

After the sabbatical year, I plan to continue posting these videos on my Mt SAC website to ensure that many more future students will have access to them. If needed, I can also update these videos and possibly expand on them by adding more videos on related topics. These additional videos will be made on my own time.

Value of this Project

This proposed project has many potential benefits to students and faculty at Mt SAC and other schools. The study strategies have benefitted many students already, as mentioned in the Background section. Thus, I anticipate that this content, delivered through videos, will continue to help future students.

From the student's perspective, these online videos will provide convenient access at any time and from anywhere. They can view them as often as needed, especially when they want to review in the future or if they have forgotten the lessons. Because it will be closed-captioned, it will serve those who are hearing-impaired without needing a person to sign. For students who are not proficient in English, playing the videos multiple times with the written words and having the option to pause the videos will be better than listening to a live lecture. Overall, for our busy students with limited time, these short videos will require a commitment of less time than a traditional class or workshop. These videos will help students to develop good study habits and become independent learners.

My colleagues in the Biology Department strongly support teaching good learning strategies; in fact, they have already volunteered to help me with recruiting student participants for this project (Appendix G). We definitely want to encourage students to understand and apply concepts to develop critical

Proposed Timeline

Fall Semester 2016:

August	Exploring PowToon software to become more proficient at making videos
September	Create videos 1-3 w/ closed captions
October	Create videos 4-6 w/ closed captions
November	Create videos 7-9 w/ closed captions
December	Create my Mt SAC website, upload videos to YouTube and place the YouTube channel link on my Mt SAC website

Spring Semester 2017:

February	Contact colleagues in the Biology Department about availability of videos online; begin data collection of students' feedbacks
March	Monitor students viewing and record students' feedbacks; may be hundreds of student participants because 18 full-time Biology faculty members will be recruiting students
	If there is less than 200 students, then begin recruiting students at the Natural Sciences Computer Lab
	Edit videos if needed
April	Continue recruitment until goal of 200 is achieved
	Record which student is watching which video; send out reminders to watch the complete series of 9 videos; record their feedbacks;
	Edit videos if needed
May	Collect follow-up students' feedbacks after week 10 and enter these data
	Collect grades from professors and enter data
	Analyze data
June	Write report

Appendix B

Kim-Leiloni T. Nguyen, MD, MPH
Office: Building 60, room 2415
Office hours: _____

Semester:_____
Mt. San Antonio College
(909) 594-5611 x4003
e-mail: knguyen@mtsac.edu

Biology 50: Biology Basic Skills

Section _____ Days & Times:_____Location:_____

Course Description

- Introduction to academic skills necessary to succeed in Biological Science or other content-dense classes

Course Outcomes

- Develop personal study plan to manage large volume of information
- Learn common Latin and Greek words to build vocabulary
- Practice memorization techniques
- Integrate contents to understand and promote critical thinking
- Demonstrate good test-taking strategies

Prerequisite

- None

Requirements

1" Three-ring binder with dividers, index cards, pens in multiple colors

Grading

This is a credit/no credit class. You will receive credit if you attend all class sessions, submit a portfolio, and complete all assignments. Specific instructions for each assignment will be given in class.

Tentative Schedule & Topics

Before Lecture: Intro, Study Environment, Reading Textbook & Preparation for Class
During Lecture: Note-Taking Techniques, Classroom Environment
After Lecture: Memory Techniques, Learn Greek & Latin Words, Study Techniques
Before Exam: Review Techniques, Integrate Contents, Read Charts & Graphs, Test Prep
During Exam: Test-Taking Strategies, Sleep & Nutrition
After Exam: Post-Test Analysis, Time Management

Appendix D

Learning Skills Workshop Data

84 students attended at least 1 meeting: 53 (63%) attended all 4 meetings
9 (11%) attended 3 meetings
13 (15%) attended 2 meetings
9 (11%) attended 1 meeting

Students reported GPA from 2.5 to 4.0, average GPA = 3.3

All are in Health Care, except 8 in Humanities and 1 undeclared

Survey given at the end of 4th meeting: 36/53 (68%) strongly recommended this to others
(53 students responded)   7/53 (13%) recommended this to others
43/53 (81%) recommendation

7 faculty members reported grades of 59 students who attended workshop at the end of 10th week:
15 A's (15/84 = 18% of all who attended but 15/59 = 25% of those still enrolled)
23 B's (23/84 = 27% of all who attended but 23/59 = 39% of those still enrolled)
8 C's (8/84 = 10% of all who attended but 8/59 = 14% of those still enrolled)
7 D's (7/84 = 8% of all who attended but 7/59 = 12% of those still enrolled)
6 F's (6/84 = 7% of all who attended but 6/59 = 10% of those still enrolled)
25 students have dropped (25/84 = 30%)

Survey given at the end of 10th week: 42 of 44 (95%) are using strategies
(45 students responded)   15/15 (100%) A's students reported strategies are helpful
18/18 (100%) B's students reported strategies are helpful
8/10 (80%) C's students reported strategies are helpful
2 students did not respond

Conclusions

1. This population was academically strong, average GPA of 3.3 and was motivated by attending workshops that started at the beginning of the semester. Students are looking for study tips.
2. Majority (63%) attended the complete series of 4 meetings but 37% attended less than 4 meetings and thus, only heard an incomplete set of strategies.
3. Of those who attended all 4 meetings, most (81%) would recommend this workshop. They learned new strategies and found it worthy of their time.
4. Faculty reported 45% dropping or failing by the end of 10th week; this is typical. Of those still enrolled, most did well with only a few failing; this is atypical. The sample size is too small to determine a correlation between the number of workshop attended and their grade at the end of 10th week.
5. Of those still enrolled at the end of 10th week, all of those getting A's and B's and 80% of the C's students were using these strategies because they were helpful. These strategies benefitted students.

Appendix F

To: Kim Nguyen/Biology/NaturalSciencesDiv/MtSAC@MtSAC
From: Barbara McNeice-Stallard/Research/InstructionOffice/MtSAC
Date: 11/24/2015 01:05PM
Cc: Karelyn Hoover/NaturalSciencesDiv/MtSAC@MtSAC, Nancy
Meggelin/TechHealthDiv/MtSAC@MtSAC, Minerva
Avila/Research/InstructionOffice/MtSAC@MtSAC
Subject: Re: sabbatical proposal

Hi Loni,
Thank you for asking! Per our conversation today as well as the attached description, your work is to test a technique to improve students' learning as part of your curriculum process. As such, you do not need to undergo Institutional Review Board (IRB) proposal review. Please keep the students' information in a secure place as you will have their survey responses as well as their grades. Please ensure that you review your emails very regularly so as to do a quick check as to what they are writing in their surveys. While the survey is focused on the videos, there is a chance that they will write unrelated statements to you (e.g., assault). You need to ensure that if these statements do appear, that you know of them as soon as possible and that you discuss the next possible course of action with your deans.

Sincerely, Barbara.

Barbara McNeice-Stallard, M.Sc.
Director, Research & Institutional Effectiveness
Mt. San Antonio College
Tel: 909-274-4109
research@mtsac.edu

MT. SAC
Mt. San Antonio College

1100 North Grand Avenue
Walnut, CA 91789-1399
909-274-7500 • www.mtsac.edu

December 1, 2015

Dear Members of the Salary and Leaves Committee:

I am writing to support Dr. Kim-Leiloni Nguyen's sabbatical project proposal EAS^3E: Effective Applications of Study Strategies in Science Education. She will be creating short animation videos to teach study strategies. If necessary, I will help her recruit students to view these videos in the Natural Sciences Computer Lab. Since the videos are only 5 minutes long and they will teach students a useful skill, I think some of the students will volunteer to watch and assist in this project.

As Coordinator of the Natural Sciences Computer Lab, I monitor and assist over 200 individual users in the computer lab on a weekly basis.

The Natural Sciences Computer lab is located at 11-2115. Fall and Spring semester hours are Monday-Friday 8:30am - 4:30pm, closed for lunch 12:30-1:00 pm. Winter and Summer Intersession hours are Monday-Thursday 8:30am-6:30pm, closed for lunch 12:30-1:00 pm.

 If you have any questions, I can be reached at x-4430.

Sincerely,

Matthew Naas
Natural Sciences Division Computer Lab
Mt. San Antonio College
909-274-4430
MNaas@mtsac.edu