

Personal Development Exercise

Three Recommendations:

1. Participate in class! Doing this helped me immensely. Being sure you understand the lecture as it is explained to you is crucial. Otherwise, you may have a question while doing the homework when the instructor is not there.
2. Make sure you do all of the homework. The last assigned word problems will usually appear on tests. Even if problems seem redundant, the extra practice always helps.
3. Stay positive! Getting down on yourself for a bad grade does not help your case. Instead of beating yourself up, take the grade as a learning experience. Learn from your mistakes and improve on them.

Two Mistakes:

1. Throughout the semester, I always found myself doing all of the relevant homework right before a quiz. This strategy is not efficient because it fails to ensure that all of the information is solid in your mind. Keeping up with the homework as assigned will help immensely.
2. Take advantage of tutoring opportunities. Because I did not do the homework on time, I never took advantage of this because I would never have relevant questions. Keeping up with the homework will allow you to fully take advantage of the tutoring opportunities. Also, when attending the tutoring sessions, bring specific questions, as there is little/no structure.

There are several things a student in Mr. Lo's class can do to increase their chances of success. My first recommendation is to be present in class every day! Mr. Lo takes time to plan out his lessons every day and they are very helpful, so you should take advantage of that. Also, sometimes he has a different way of explaining or doing a certain section of the book that might be easier for you to understand and if you're not there you'll miss it. My second recommendation is to read the section he'll be covering the next day, beforehand. This will help you be familiar with the topic and get more out of the lesson the day of. Pre-reading the material will also help you ask relevant questions during the lesson or review material that was covered in a previous math class to feel more prepared for that particular section. My third recommendation is to take good notes of his lectures. Taking good notes can be helpful because you can write information that's particularly helpful to you, for example step by step instructions on how to do a problem, etc. If you use Cornell style notes or any other type of structured notes, it will make it easier to review before a quiz or test.

There are some things that I wish I had done differently in his math class this quarter. The first mistake I made was not keeping up with the HW. This really hurt my grade because although he doesn't collect the HW, you need to practice the material to do well on the quizzes. Doing the HW in a timely manner would have helped me feel more confident when taking the quizzes and tests. The second mistake I made was not setting daily time aside for studying. It's important to schedule it in, because otherwise it doesn't happen. Studying would have also helped me review concepts and feel prepared for the quizzes and tests.

Recommendations:

1. Review the materials before taking class, and you will understand it clearer when teacher are giving the lecture.
2. Make a question mark at the place you don't understand, and listen carefully when teacher are talking about it. Then you will understand it.
3. Focus on teacher, because the lecture is the most important parts of learning, and it is the accurate grasp of the key knowledge. 10min in class learning is better than 30min after-school reading.
4. Do some exercises after class, and figure out the approach of solution; you will find out it is very helpful when you are doing your quiz or midterm.
5. Review and summarize. Review is for consolidation; summary is in order to arrange the knowledge, gain experience, and improve you.

Mistakes:

1. I should not use any electricity in class, because it will disperse your attention. Therefore, you will lose something important.
2. I failed my first midterm because I didn't do my homework, but after that I did it, and 2nd midterm and 3rd midterm kept going up. So, don't be lazy!
3. I used to think that I've learned them before, so I misjudged them, and I screwed it up in quiz. So don't misjudge this class and be patient and be serious.
4. Every time in class I just hold my pen and took out a sketch paper, so I don't have notes and it's too late to find out. And I can only review my text book and quiz for the final.
5. Ask question if you don't understand! I haven't asked any question in class, so that's my loss!

Some big mistakes:

I stayed up late before the tests or quizzes, it made my mind could not put in 100% thinking on the tests and quizzes.

While in the quizzes and tests, I copied wrong things from the problem down. It made all the works went wrong.

Negative signs is your enemy. I was killed my the negative signs over some quizzes and test. =]]

2 Recommendations:

You should go to the tutor and office hours as much as possible. It is FREE, and it is 100% helps. Also, make as much friends as possible. it also helps too.

While solving the problem, do not try to solve it in your head a lot, you should write it down. It is very easy to make a BIG mistake when something go wrong in your head and you can't figure out what is wrong.

Personal Development

Recommendations

Find Study Partners

- Easier to study in a group environment, where you can motivate each other.
- Most of the quizzes are partner-based; helps when you have prior practice working together.

Manage Time Accordingly

- 8:30 a.m. means heavy traffic, and it's crucial to get to class on time since the start of the class is when you can ask questions about the homework.
- Quizzes and midterms are always on the same day so there are no surprises, but don't study the night before.

Do the Homework

- The homework covers all the materials in class, and offers good practice for quizzes.
- The questions on the homework are chosen based on variety, so don't hesitate to do more if experiencing difficulty on a specific subject.

Mistakes

Required Materials

- I brought the wrong calculator for a quiz and it costs me a fair sum of points.
- I didn't buy or rent the textbook; impossible to study with an e-book on a small device.

Not Taking Advantage of Office Hours

- I should at the least go pick up the first midterm and see the result.
- There are partial points on the quizzes that could've earned back if I took the chance and go to office hours.

Recommendations

1. My first recommendation would be to study before hand for the quizzes and midterms to give yourself enough time, so you can understand the material and have time to ask questions that you need help with. You have to be very detailed and not just skip some sections or materials because those very questions will show up on the test. The other thing about midterms and quizzes is that you need to manage your time well and not spend too much time on any particular problem because you will run out of time and miss other questions that could have been solved faster.

2. If math isn't your strongest subject, then you need to get help from day one because it will be very tough by the time the first midterm comes around. There will opportunities to get help from tutors and the instructor during office hours, so use those hours wisely and try to get a grip on the material because if you don't then you will have a hard time passing the class. Don't be shy of asking questions because those very questions might show up on the midterm. Take advantage of the extended office hours before midterms because some of the questions solved during those hours will show up on the midterms, so make sure you have time to go in and participate.

3. Try to be present during every class and take notes because it is very important to take down all the material the instructor is giving you. The notes in class will be helpful during midterms and quizzes since some questions come right from the notes. So if you miss a class try to get the notes from another student in the class or at least talk to the instructor to get an idea of where

things are. During class don't just focus on the notes because it very important to listen to other students ask questions and also little things mentioned by instructor, so don't miss them. You need to have a balance between taking notes and paying attention to what is going on in class.

Mistakes

1. Taking an 8:30 class is not the best idea because of two things. The first thing is that traffic is crazy during that hour and the second thing is that you need to get enough sleep to be able to go through this class for the one quarter. Sometimes I have spent 30 to 45 minutes on average days being stuck in traffic, so I would suggest taking a class later on or earlier which is even harder. Make sure you get enough sleep because it will catch up with you 3 weeks in especially if you have to work too.

2. Choosing random partners for the quiz at the last moment which is the worst idea because of two reasons. The first reason is that you know nothing about that person until the moment the quiz is given to you which can be a disaster if they have done nothing in class and won't be able to help if you are stuck on a problem. The second reason is that this process will have a negative effect on your score and you will be stuck with no matter what.

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5 recommendations

1. Read the textbook carefully.
The textbook explains everything from the beginning to the end of a chapter. It helps you to comprehend contents "logically". This help you not to lose what your learn about.
2. Listen to the lecture carefully.
The textbook would help your logical understanding. On the other hand, lecture would help you to "solve questions" for a quiz or an exam. Make sure both textbook and lecture have different advantages.
3. Preview before Group-work.
Sometimes in your lecture, the instructor has you to make a group so that you work on questions with your classmates. The questions you always deal with are ones right after the instructor explained. So when the instructor announces group-work, you should prepare it before the lecture day.
4. Don't be lazy of collecting your quiz.
The instructor has you collect your quiz by your own. This helps you to review before your Exam. Suppose reviewing your previous quiz would be more important than moving onto a new section.
5. Don't throw away your work
I recommend to make two notebooks. One is a lecture note. This is for tracking on what the instructor taught. Another is an "working note". This includes every single calculation you made. For example, you write calculations of examples of the textbook, reviewing for your quiz, homework, and so on. Make sure don't elide your mistakes. This "working note" reminds you to review how you actually have solved questions.

5 mistakes

1. I missed getting an attendance twice even though I participated in those lectures. If I missed more, I would get "drop" in this class.
2. I was a little bit late to arrive at some quiz's days. I have an experience that I lost some credits because of my late arriving.
3. There has group tutoring twice a week. But because of my class schedule, I couldn't join it. If I had had an opportunity to enroll in it, I would have got better grade in this class.
4. Because English is my second language and Math 43 is my first Math class in English, I sometimes got language problems in lectures or quizzes. I should have learnt more about "Math English" before this class so that I had no difficulty in the class
5. I didn't review a quiz one time. Then, In the first Midterm, I got a similar question and I couldn't solve it. If I reviewed the quiz well, I wouldn't get the same mistake anymore.

Three recommendations:

1. Attending every class is essential for this class because every class is full of lecture except the midterm and quiz days. Missing one day means you miss a lot of information and excellent examples. Copying someone else's notes sometimes cannot help you understand the skills involved in the process.
2. Pay close attention in the class, follow and understand every step. If you don't understand, ask Mr. Lo to explain once again. Don't get lost. Be involved in the class discuss actively.
3. Review your notes after class and before the next lesson. It takes about ten minutes but it helps a lot. Review all the covered material before every quiz and midterm. This is the most effective way to improve your grade.

Two mistakes:

1. I did not realize the first question in the quiz is usually the hardest one. I spent too much time on the first tough question and did not allocate my time properly.
2. I could not concentrate on the quiz sometimes because I did not get enough sleep the previous night. Careless mistakes did take some points away. For this class, most of times calculate is not allowed in the quiz, so calculation means a lot, especially in the quiz and test when time is limited. Practice more by doing homework will help.

Personal Development exercise

Jimmy

3 recommendations:

1. Must do the review package. Review package is very important, it is connect with midterm, most of the midterm question is similar to review package question, thus the midterm question, it is easier than review package question. Therefore, if you can do the review question, that's mean you can get a good score on you midterm.
2. Train your mental calculation. It is because Bert Lo class do not often use calculator, so you must remember some value or anything else, I think that will useful.
3. Keep doing your homework. We must keep doing our homework, because it can classify whether we learn or not. And some type of the homework question is different from the lectures or even don't take about it, so if you do it you will learn it. The final is difficult than midterm, so you should great a good source in your midterm, in order to get a good grade or pass the class.

2 mistakes:

1. Need to fully understand the content of the lectures, don't afraid to ask. Some midterm, quiz or final is test whether you fully understand what you are learning about, since you don't understand, you can not solve the question. You shouldn't just remember what the process is; you also need to understand it. Otherwise, it is very hard to get a good grade.
2. Keep studying day by day; it is so hard to understand the previous part which the professor is talking about if you don't studying by yourself, especially in your final, you can not remember all the part in your final if you don't study before, you will feel confuse and stressful if you don't understand everything which taught from the lectures, your final would so bad. Therefore, we must keep studying and ask question.

Recommendation

- 1) Revise all the material you learnt in the past. Math43 needs to use a lot of knowledge that you learnt. It will be hard if you forget all the stuff you learnt in the past.
- 2) Do preparation before lessons. Teacher will teach you how the things are going on but not all the technic. You need to do preparation in order to know more about that chapter.
- 3) Do homework after lessons. It is a good way for learning more technic other than what you have learnt in the lecture.
- 4) Ask question when you do not understand. Fully used of teacher's office hours and asking question in the tutorial class. It will solve what you are not sure and have a clearer mind.
- 5) Surf the website regularly. In order to get the latest information form the teacher, you should go to the website. Although most of the announcement will be made by email, you should go to the website before the teacher asked you to go.

Mistakes

- 1) Careless
 - During quiz and midterm you will be nervous but remember to check if you have copy the right information from the question or not.
- 2) Not understanding the question.
 - Sometimes you will misunderstand the meaning of the question. This will make you to fall in a serious trap. You may get 0 in this question though your method is right.
- 3) Being proud of yourself when you get a high mark in the first midterm.
 - You will think you are good at math when you get a high mark in midterm1 but please remind yourself there is still a lot of new staff in the coming days. Or you will get a lower mark in midterm 2 because of your arrogance.
- 4) Give up doing homework.
 - It is a silly act. Because you will forget most the material if you do not do the exercises. And you may get a low mark in quiz and midterm.
- 5) Not enough studying before the final.
 - The final is harder than the midterms and quizzes. You should study well for the final. And you should aim at having a good grade for final not only the midterm. This is because you will forget most of the stuff that you learnt in the beginning of the quarter

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[a] Recommendations

1. Make sure you really pay attention to what he is saying when he teaches the material! If you are confused, immediately raise your hand and ask. This will prevent you from forgetting to ask later on. It will also help you prepare for the quizzes and midterms.
2. Go to tutoring! It is extremely effective, especially if you are really stuck on a chapter or section. It will give you a lot of confidence on the material. It will also help you enjoy learning the material; I learned from my experience that if you enjoy learning the material, it will become easy for you to understand.
3. Do practice problems! Not just the ones from the textbook, but from online websites as well. You can also watch tutorials on Youtube, there are a ton of them. This will make you feel "safe" by keeping yourself on top of the material. It will also help you avoid last minute cramming.

[b] Mistakes

1. I didn't go back and check my work! No matter how well I knew the material, there would be a few times when I felt like I did everything right on a problem when in reality, I had made a very small error. This was VERY harmful, especially if the answer to one question is part of the second question, because it made me lose a lot of points. Also, one small mistake would throw off my entire work and final answer.
2. I didn't read the textbook as often as I should've. This hurt me because it lead me to some confusions later on in the course. It also made me feel a little overwhelmed when trying to catch up with the material.

Personal Development Exercise :

Advice :

Try to not miss every session of this class, jot down every notes without any exception. Make sure to take the concept rather than memorizing the formula. To get enough sleep, and to wake up earlier. By waking up earlier can reduce your will to go back to sleep again and therefore you can more focus on the class (especially morning class). Drink a cup of coffee is the other alternative. The next thing is don't try to face the final or midterm one day before. You should have a lot of time to prepare it.

3 Recommendations for the future student to be succeed in this class.

1. Do homework.

To be good at math, you have to do it. There is no more ways to master math rather than having a lot of practices. You can review what you have learned, and doing homework can shape your thinking become more sensitive in the some math type problems.

2. Preparation material before the lecture.

Before the next lecture, it is a good idea to learn the material first. By learning first, you will have more idea about what is the material. You can also know the terms and definitions first that make you easier to understand the lecture. However, you can also directly ask some concepts that you don't understand

3. Tutoring

Tutoring is the other prominent element. From tutoring, we review the material that we have ever learned. The other thing is we will have a discussion with the other student. By having all of these activities, you will have more ideas what will the math problems look like.

2 Mistakes I made during this quarter.

1. Don't try to face the final, midterm or even quiz without any preparation. However, if you feel you are okay with the material, you should do the review package to make sure. I, somehow, did not review and feel okay. As the result I got a lower mark on my third midterm.
2. The most basic mistakes is not to check all of your answers. Don't just leave the class after finishing all of the questions. From the checking usually I will got like 3 or 4 mistakes. Although it seems a few of mistakes, it can lead to a big problem to your solution. By checking, you can earn some additional points and teach you how to become more careful in math.

Personal Development Exercise

Advice

If you have difficulty waking up early, make sure that you set multiple alarms in order to ensure that you have enough time to get ready and leave the house on time. Check your friends' schedules and see who you can carpool with, this will allow you to use the carpool lane and save a lot of time.

Recommendations

1. Make sure you sleep early and eat a good breakfast before you go to school. It's really difficult to pay attention in class when you're dozing off or if your stomach is growling. In order to succeed, you need to be attentive in class and ask questions if you do not understand, you won't be able to do that if you're fighting to stay awake.
2. Take advantage of office hours, this is an irreplaceable chance for you to ask questions, especially if you're too shy to ask them in class. Bring in homework questions, midterm review questions, or ask why you got something wrong on your quiz. DO NOT think that you will have time to ask the teacher questions before or after class, you may forget, or your teacher may be busy, go to office hours, it will be extremely helpful in the long run.
3. Take detailed notes; this includes the notes written on the board, and words that your teacher says, even if it isn't written down. Sometimes those extra words can help make sense of your notes, and you definitely need good notes to work on your homework and to help you do well on your midterms and quizzes. If you are absent make sure to get the missing notes from someone, some chapters are relevant to one another so if you miss one section you may be confused while you're learning the other sections.

Mistakes

1. The first couple weeks of class I studied diligently. I did all the homework and took really good notes in class, but after the first midterm I began slacking off. Once you stop trying as hard in a class, it's difficult to get back into your old study habits because you're already used to having more free time to do what you want. Consistently study the material so that you don't fall behind.
2. Try to make friends with the students in your class. I prefer studying alone so I didn't try to find a study group or a study partner. This makes it a lot more difficult to review or learn material. Having someone in your class work with you lets you compare answers and it makes it easier to do your homework.

Personal Development Exercise

3 Recommendations/advices

- 1) Please read and practice on test review before test. It explains most of things that will on your test. So just read it and it will effect on your grade.
- 2) Go to group tutoring. It will help you to understand section more. You can ask tutor what you don't understand.
- 3) Ask teacher when you don't understand something. If you don't ask, you will fail to solve problem when you get your test. Go during his office hour. It will make him easier to help you.

2 Mistakes

- 1) I absent two days unfortunately, and I got poor grade on midterm and quiz about that day's lesson. So better not absent.
- 2) I didn't read a book before lesson one time, and it made me really hard to understand what teacher saying. So read book and term's definition.

Advice for future students

Do homework. it helps you practice and remember concepts. the repetition is good

Go to class and take notes because they are very helpful. The notes explain what the book sometimes doesn't

Try to do well on the first midterm as it is most important and can help your grade

prepare for quizzes a week in advance because some are challenging and need extra time to really get the concepts. you need to know everything pat if you want to complete the quizzes.

take advantage of all the tutors and office hours if you don't know or understand something

mistakes

started out strong and fell behind as the quarter went on. That is always bad especially for this class as the material gets harder as you go on

didn't ask questions in class. Verify things you don't understand or are confusing

my calculator was really cheap and didn't work half the time and slows you down during tests so don't be cheap

understand the formulas and not just memorize them because then they are easily forgotten or confused

didn't go to class and didn't ask for notes. Usually there are concepts not in the book so I just didn't get somethings without asking classmates about it.

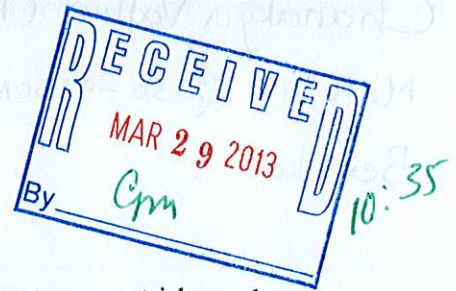
[A]

1. I recommend a student to get up 30 min early because class starts in the early morning every weekday, and attendance policy is strict. There is a traffic jam on free way, so it takes time than daytime. It is also good for your brain, too.
2. Review is very important in this class. Since Lo does not collect homework, you have to keep working by your self. When I had much homework of other classes, it was hard to keep doing homework, and as a result, I got low score.
3. I recommend making a lot of friends in the class. Lo has some group work and group tutoring, so it is not hard to get a new friends. I studied with my friends for first two midterms, and I got good score on that. It is also helps you when you don't understand homework questions because you can help each other. Therefore, I strongly recommend to make friends.

[B]

1. I didn't study math every day, and I think that was a huge mistake. In winter quarter, I took four classes, so I couldn't spend much time on math class every day. However, I realized that it was huge mistake when I study for final exam. Each quarter has three months, so If I don't study and review every day, I forget material easily. I should have study more.
2. My score is getting worse because of my remissness. At the beginning of the quarter, I was anxious about new class. However, my anxious disappeared when I got good score on midterms exams. I misunderstood my ability, and finally it was my big mistake because it reflected in my score.

RECOMMENDATIONS:



1. Do your homework. It is really important because most of the problems are very tricky and you need to get as much practice as you can, so it can help you understand the logic and it would make your life easier for midterms, quizzes and in general.
2. Take notes. Most of the notes are not the same text from the textbook and it will be lot easier to study from the notes and to review before midterms.
3. Read the textbook regularly and do not fall behind. It is important to keep up on track with class because, if you ever miss a class, it would be hard to understand the follow up classes. It is also helps you be prepared for the quizzes.

MISTAKES:

1. I did not take the final serious enough and did not prepare well enough and as a result most the final seemed like new questions from all the chapter. It really dropped my grade, and it is smart to review all the syllabus material before the final.
2. I did not take advantage of the group tutoring services. It would make a lot of difference in my understanding of the material if I went to the tutoring. It could've helped a lot and I could've reduced a lot of time spent studying myself by going to the tutoring.

Personal Development Exercise

During this quarter, I learnt a lot of useful mathematics formulas and the principles behind. Thank you my teacher, Bert, who made his lecture clear and detailed. Before my Math43 class, I always focused on doing the Math questions like a machine without knowing any principle behind. But after having Bert's class, I understood more about the reasons why we obtain the answer, but not just plugin numbers in the equations.

In order to increase chances of success, I would have 3 recommendations for them:

- 1) Be punctual and attend every class. This helps you to keep up your learning process and learn new materials in a moderate speed. Once you have missed once class, you have to spend extra time on catching up the new materials.
- 2) Do the homework. Many students may think they can learn things by reading the lecture notes only. However, this is absolutely wrong. You have to do different kinds of questions yourself and then you will obtain skills on solving specific questions. Practice makes perfect, yes... it is true!
- 3) Learn from the mistakes. Success is going from failure to failure without losing enthusiasm. You may feel frustrated if you receive bad scores in midterms and quizzes. However, these are all precious opportunity for you to learn from the errors you made and keep going further. If you keep using the wrong concepts for solving future questions, you may have a risk of losing more points. In contrast, learning from mistakes can help you to understand your weakness and make improvements in the future.

Mistakes that my friends made during this quarter:

- 1) Do not directly copy other during the partner quiz: During my first partner quiz, my partner always copied mine without recognizing any calculation process. This is absolutely a bad attitude on learning. The appropriate way is that you should discuss with your partner (if time is allowed), rather than just copying each other without any communication.
- 2) Do not study at night right before the quizzes / midterms / final exam: In order to absorb the material in an efficient way, you should keep revising your material daily. If you just study the material in quick minutes, you will miss a lot of chances to practice and understand the principles with details. And finally, you will obtain an unsatisfied score. Therefore, you should always keep track on revising your notes. Be a responsible learner.

Recommendations:

1. If you really want to succeed in a class, do the homework every day and follow the homework sheet. The homework sheet helps you follow along with the material that was taught the actual day. If you get behind with one day of not doing the homework after learning a new material, you are already heading off to a bad start; try to stay on track with the homework assignments and ask questions if you need any clarifications.
2. In order to get some homework done you must make some time to study. It may be difficult to get started with the homework or to get any studying time, but make sure to set aside from your busy schedule to study. Go to a library, go to your friend's house, lock yourself in your room, where ever, just make some space in your day to study.
3. There's a saying: "two heads are better than one." Get a study buddy or get together a study group to go over some problems you might have trouble with. This helps each other get a stronger grip of what was taught in lecture. If everyone in the group has trouble with a problem, ask the instructor to go over that question the following day.
4. A successful student follows along with the material. It is helpful to review the new subject before lecture as well as reviewing your notes after lecture. Reviewing a topic always keeps the mind busy in trying to memorize equations; better yet to understand what you're looking at.
5. When in doubt, go to tutoring. Sometimes as a student we might not understand a certain topic from the course; it is important to know when to look for some extra assistance. It's okay to not understand something, the problem is when you don't understand something and you do not seek any help.

Mistakes:

1. My top mistake was being over confident with the class. I had already taken precalculus when I was in high school and I thought that I didn't have to put much effort in the class since I saw it all as review. I really should have studied more than I did this quarter.
2. I was wandering off most of the quarter with all the drama that was going on in my life. It's no excuse to put your personal life get in between your education, but things can really get out of your reach and can easily get your mind on it instead of keeping it in learning. Try talking to counselors about your situations and get a friend to keep you in check with your studies.
3. Not doing the homework can really mess you up, especially in a math class. My situation was that I didn't do enough homework to actually understand the material that was taught in the day of lecture. Don't put off any homework to the end of the week, or worse to the day before a quiz, it can really throw you off balance with what is being covered in your class.
4. If you are going to take a class, make sure you make it worth the time and money. I didn't really care about the classes I was taking this quarter which caused me to pretty much fail in the quizzes and exams. This quarter I can actually say was my worst, mentally and emotionally.

5. I wish I had a partner to work with, or better yet to keep me on track with the homework. Having a study buddy can really help you a lot to keeping up with the lectures and to go over the notes.

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Things a student should do to succeed in the class

1. Ask questions when you don't understand the material and go to group tutoring if possible. Doing so will allow you to better understand the material covered in class. It will also let you earn back points on the diagnostic quiz if you didn't do well on it.
2. Make sure to study the material before each midterm thoroughly because doing well on midterm 1 will allow you to get back some points on one of the other two midterms if you do poorly on them. However, don't let that be an excuse to not study as hard for midterm 2 or 3 because midterm 1 can only help one of those two midterms. Being prepared for the midterm will allow you to be calm and focused while taking it, instead of being frustrated and confused when you don't know how to solve a problem efficiently.
3. After every quiz, make sure to meet with the professor to get as many points back as possible because later when the final is near, those points will matter and will help your grade. Try to understand the mistakes you did in order to learn from them and avoid making the same mistakes next time. Make sure to meet with your partner to go over how you will both approach the quiz.

Two mistakes that will hurt your chance of succeeding

1. Always be on time or early to class, doing so will help you avoid getting dropped if your score on the midterms drops below 120/150 and you have been tardy more than 7 times or absent 3 times. Coming early will also allow you to start the quiz 10 minutes before the class officially starts. Not coming on time hurt my chances of doing better on the quizzes, because I missed out on the extra time and was rushed going into the exam. Being punctual will also allow you to be able to follow along in class instead of coming in and missing a potentially important piece of information.
2. Make sure to do all the homework assigned and more so that you can do well in the class. I didn't do all of the homework and sometimes skipped questions when I didn't want to do them which hurt me on quizzes and midterms because I wouldn't immediately recognize how question was set up even though it was probably on the homework. Doing more than the homework assigned will let you understand the material thoroughly so that you are prepared on a test day.

Recommendations:

- Do the homework! It may seem like there are a lot of homework questions, but they really help you understand the material and how to do it. Doing the homework helped me a lot!
- Take good notes! The better notes you take, the easier it will be to study the material. I wrote down everything that the teacher wrote on the board, so when I went back to study the notes I understood easier what I was reviewing.
- Study! Read the textbook! The textbook goes over material that was not discussed in class but is on the tests. Reading the textbook along with doing the homework made me better prepared for the material that was on the tests.

Mistakes:

- Not receiving help immediately. About halfway through the class I started to struggle on the tests, but I thought that it was just because I did not study enough. Therefore, I did not ask for help immediately, and I continued to struggle through the rest of the quarter. As of this time I am still talking to people to find out what the problem is so that I can fix it!
- Taking too many classes at once. If you want to pass this class, do not take too many courses at once. For this class, you need to have plenty of time to study, and if you take too many classes then you will have very little time to study for this one. I took four classes this quarter, and did not have nearly as much time to study for math as I would've liked to.

Recommendations

Please do pay attention in class. Do not ever daydream during lectures. The materials Mr Lo teaches in class are sometimes much easier to comprehend than if you study from the textbook yourself. Some of the materials he teaches will be in the quizzes and midterms and they are not in the textbook. I suggest you scribble down everything that is on the whiteboard, just to be safe.

Never go against Mr Lo's tests policies. He is very strict when it comes to rules and regulation. During tests, when he says stop writing, it is super wise to literally stop writing. If he catches u ignoring his command, it's a straight zero without any hesitation. There is zero tolerance for cheating in this class. This actually happened to one of my friends. Any grade you get for an unfinished test is better than a zero.

It is better if you read the textbook before coming to class. This will definitely help in the comprehension of the materials that are going to be taught. This is highly recommended to those who are weak in this subject. Failing the class should not be an option because not only you are wasting money, but also time.

My mistakes

Not touching the math's materials for more than three days is like a death wish. Math is something that can only be mastered by practice and diligence. Neglecting routine revisions will end up in inconsistency and bad results for both midterms and quizzes. In my case, I was lucky to have bulked up before any midterms, even though some of my quizzes were awfully bad.

Never opt for last minute revision for the finals. There will be no notes allowed that u can bring along to the finals. I know that some teachers do allow that, but face it, this time you are going to take the finals without any notes. Memorizing all the formulas they day or two before is impossible. At least a week of final revision is required if you want to obtain an A. Trust me, I am writing this the day before my finals.

Advice: My general advice for the students in the upcoming class is to focus at class. Professor Bert is very clear at explaining, and if you do not focus or if you are absent or late, you will miss a lot of points he is talking about. So, to be focused and to come on time, try to get enough sleep, and get a decent breakfast to have the energy to focus

Recommendations:

1. DO THE HOMEWORK. homework helps you get used to different types of problems and makes you work faster, and you will 'automatically' memorize the equations and the steps with ease
2. Make some friends. Making friends is very useful, because with friends, you can study together out of class, and also ask questions if you do not understand concepts
3. Take thorough notes. Do not only copy what is on the board. make your own 'style' of notes, and make it detailed step by step, so you can always look at your notes as a guide. Also, Through making your own style of notes, you will not get confused later because you might not understand what is written on the board and you have to 'convert' it to make it understandable

Mistakes:

1. DO NOT PANIC. Panic does not help you focus or do the work faster. It happened to me on midterm 1 and the final test, and i am in big risk of failing the class JUST because of panic
2. DO NOT PROCASTINATE. procrastinating such as procrastinating your homework will make your work pile up, and you will not catch up with the class. You will not understand the upcoming topics and to focus on the current topic or homework

Personal development exercise

Students should read and learn the topic before discussed in class as you may not be able to understand everything discussed in class. If you don't have the time to read it beforehand, don't procrastinate and learn the topic as soon as possible after class.

Do the homework because even though it is not graded, if you do not do it, you will not be able to absorb the topic well although you already understand the concept behind it and you will not be able to get good grades.

If you are using a pass/no pass grading system, you cant hope that you will be able to pass if your not going to dedicate your time and effort to study. This is not a class suitable for people who is not willing to work hard and think that you will manage to "just pass".

A personal mistake I made is when I thought that understanding the concept behind each topic is more than enough. I went to my first midterm with that kind of thinking, but my brain was not able to process during the midterm due to nerves and other reasoning, and that caused me to get bad marks for my first midterm (which is the most important midterm) as you could average the score with midterm $2/3$ if you get lower than midterm 1 .

Another mistake is not sleeping before the test as you have not study the topic beforehand and hoped that you could be able to learn it all in one night. It helped, but it won't give you the best result as you would feel dizzy and nervous during the test.

Recommendations

I recommend going to the professor's office hours. This is important because there is so much material to cover and there is only so much the professor can explain in class. These are usually the most rudimentary examples used just to get the point across to the student. The harder examples are seen in the homework and so it is necessary to go over them with the professor so you feel confident about the material. Another plus point is that the professor is very patient and takes the time to really help the student understand what is going on.

I recommend doing all the homework on time. This helps the material stay fresh in your mind and it helps learning the material become easier. If you leave all the homework till the end, you usually have to relearn it by yourself and it takes more time to do so.

I recommend going over the review packets and handouts that the professor gives online. All of the midterms are based off of the review packets and so if you feel confident with the material on the review sheets you should do pretty well on the midterms. Some of these handouts break down the harder concepts that aren't taught well in the book to begin with.

Mistakes

I made the mistake of only doing parts of the homework and not the word problems at all. The word problems looked like a chore and so day in and day out I would just skip them and then when the quizzes and midterms came around, I didn't really know how to solve them and even if I did, I couldn't pace myself too well out due to the lack of practice. This led to rushing the quizzes and midterms and making more mistakes in the process on the quizzes and midterms as a whole, not just the word problems.

I also made the mistake of not asking questions in class about the homework problems. The time was given for us to write the problem number on the board and the professor would go over it and yet I still didn't go up and write any down out of laziness and just hoped that someone else would have had trouble with the same problem as well, but that was not the case. If I had asked questions, I would have been more connected with the discussion and definitely have understood the question better. This is important because all of the quizzes and midterms came straight out of the homework with the exception of the actual numbers used.

a.] 1. Do your homework! You should always do your homework even though submission is not required, homework is a great way to prepare for tests and quizzes.

2. Go to office hours. You should take advantage of the office hours because you could just go in and ask for help on your homework. Going to office hours before tests/quizzes is definitely beneficial.

3. Read your text book. Reading your textbook will definitely help you understand the material more thoroughly, and they always show you step-by-step examples of problems presented in the chapters.

b.] 1. Procrastination. Don't wait till the last minute because the amount of work stack up throughout the quarter and if you procrastinate, you'll end up spending more time studying than you would be if you didn't procrastinate.

2. remember to take notes, even though the textbook has all the information you need, taking notes is rather important because sometimes the teacher would explain the material in a different way than the textbook or sometimes the teacher would have other important information that is not mentioned in the textbook. It's crucial to take notes.

Personal Development Exercise

There are many ways to ensure that you will succeed in this math 43 class. Some of the ways are doing the homework regularly, coming to class everyday and studying regularly. Doing your homework will help you master the chapter that you are in and will prepare you for the quizzes and midterms. Secondly, you should come to class everyday in order to keep track of the class and not be left behind. Coming to class will also inform you about the upcoming test and tutors. Studying is a crucial factor in taking this class. You need to study every time you learn something new as there are a lot of new topics to be studied. I encourage you to study everyday in order to keep track of the class new topics. This will help you by the time the quizzes and midterms start.

Throughout the quarter, I've done and seen some mistakes that could hurt the chance of succeeding in this class. Taking this class, you must listen to the professor instructions and class policy. There is a rule that goes by "when the professor say stop writing, all students need to stop or else their exam will be marked 0" you must obey the rules and listen to instructions in order to avoid getting a 0. The second mistake that I've seen is that you can't not know anyone in class. You need to know or get to know somebody in the class, so when you miss a lecture, you can borrow the notes that was taken that day and ask about the day lecture to someone in order for you not to be left behind. Making friends could also benefit you as you can teach each other or ask questions about regular classes too.

Personal Development Exercise

My advice on how to succeed in Pre-Calculus class is to listen and pay attention to the lectures in class and ask questions if you need to, as it is important for students to understand the materials and do well on this class. Do not be shy to ask questions for it is for your own sake of succeeding this class.

Recommendations for students to succeed in this class:

- Get enough sleep and start fresh in the morning. You will need to concentrate in the lectures as this class has a lot of materials to be comprehended.
- Practice a lot and do the homework. Even though the homework is not collected, it is still crucial that you do it. Doing the homework sharpens your mathematical skill and helps you a lot in preparing for the exams.
- Make good use of office hours and tutoring center. Besides asking questions in class, going to office hours and/or tutoring can help you have a better grasp on the materials, especially when you have missed a class or still could not understand the lecture. Tutoring can help you review the material taught earlier in a more simple way, and you can ask more questions in Prof. Lo's office hour until you can understand the material fully.

Mistakes that I made in this class:

- In a take home quiz, I consulted a friend, who was taking the same class as me, when I wasn't supposed to. This almost made me fail the class. You should never cheat on your quizzes. It is better to be honest and have a lower score than cheating and failing the class.
- Not asking questions in class. On one chapter, I could not understand the material and totally lost in the lecture; I had no idea what the lecture was about. I was so confused and frustrated, yet I could have asked questions about it in class so I would have not been ~~to~~ stressed about it.

Personal Development Exercise

Advice on how to succeed in a 9:30 class:

- Even though it is not 8:30 class, you should not relax in preparing yourself in the morning. Have enough sleep and wake up earlier so you can physically and mentally prepared. Math can takes a lot of energy because we have to think, so it would be better if you have a good breakfast before you start the day.

Recommendations:

- Never miss any session. Missing one session could make you confuse when you start the next part. Taking notes is really important, however don't forget to listen to the lecture. Having notes doesn't guarantee that you will understand the whole thing. Listen to the lecture is much more important, if you miss a note, you can always ask your friend.
- Do not study one day before quiz/midterm/final. There are a lot of materials you have to cover. If you are doing last minute study, you might not have enough time to cover it all.
- Do not be afraid to ask if you don't understand. You can ask Prof. Lo or if you are more comfortable with student, you can always go to the tutoring center. It is really helpful. We just have to ask him the part we don't understand and they will explain it clearly.
- Do homework. Enough practice from doing homework will help you succeed in quiz/midterm/final. If you have a question that you do not understand, you can always ask at the beginning of the class.

Mistakes I made in this class:

- In every quiz/midterm/final, always check your answers. I often made simple mistakes, for example like missing a negative sign, etc. It always prevents me from getting a perfect score. Try to avoid making careless mistakes.
- In take home quiz, you better do it alone. I did consult it with my friend and as a result, I got 0 on my quiz. Have more confidence in yourself and do it honestly. It gives you much better result and you also learn from doing it alone.
- Never sleep late at night. There was a time when I slept really late because I was doing homework. As a result, I couldn't concentrate in class and I didn't understand anything from the lecture because I was too sleepy.

Three suggestions:

1. I usually do my homework after class because I every details is clear to me, and the quizzes are usually on Friday. Most of homework I finished on Monday, Tuesday, Wednesday, so when i am doing quizzes on Friday, i do not remember what i do on Monday. Reviewing all of your homework before every quiz is extremely important.

2. You need to mark down every question. Even thought it is just a small mistake, you still need to think why you make this mistake and where should you need to pay more attentions when you are doing your quizzes. It is really important because it can help you find what you need to improve and make sure you will not make the same mistake at your quiz.

3. To be honest, quizzes and midterms in this class are really difficult. The questions is doable, but usually I do not have enough time to finish it. Therefore, I think you need to do every question quickly and distribute your time properly. Maybe you need to give yourself some extra homework and practice more.

WISH YOU HAVE A PRETTY GOOD QUARTER!!!

Two things decrease my grades:

1. I do not like to repeat doing the question which i usually do on Monday,, Tuesday and Wednesday, and of course I can not remember every thing. I did at the beginning of the week. However, I just thought I did it, so I would not have problems in those questions. I was wrong. I lost a lot of points. Unfortunately, I just found it at

the end of this quarter. And this is the reason why it is the first suggestion at the beginning of this article.

2. Every time I sat in classroom before the class started at the the first half of this quarter, the only thing I did was to play my ipod. I could not focus on class when the class begin. And I needed five or ten minutes to leave from the games or other APPs. Moreover, it was same as when I did my homework. Sometimes I needed more than half an hour to stay away from those games, and sometimes I just pushed my homework away and went back to my computer.

Paying attention during class is a key to success. There are many small details about how to solve or understand certain problems that you must know to succeed. Also, there is a lot of information that is covered in class to help prepare you for each upcoming test.

Taking thorough notes help you do well in class. There are many details for each type of problem and each situation that are necessary to know. The example problems covered in class are a good way to review material before tests and quizzes.

Show up on time or even early to class every day. If you are always there you won't miss any material. Sometimes on test or quiz days, the test papers will be passed out before class actually starts so you may be able to get a few extra moments to make sure everything is done correctly.

While I was taking this class I did not do much of my homework. Many of the test and quiz questions relate to the homework. Because of this I was not familiar with certain types of questions, which lowered some of my grades.

Before each test I did not start studying early enough. I would only study for maybe a night or two before each test and quiz. Because of this I forgot specific details about some types of questions during the test. \

Study and take notes

Taking note and studying helps you learn the material. It will give you something to review later when you need to.

Get help if you don't understand something

If you're stuck get help from someone. Getting a different perspective on a problem will help you understand how to get the answer.

Do the homework

Doing the homework will give you practice for the quizzes and tests. It will also show you another way a question could be written.

Don't cram

There is no point cramming new material before the test, either you know it or don't. By cramming there is a higher chance that you will forget or mix it up with other material.

Get sleep

Get a good night sleep before the test, being tired won't allow you to focus on the test. It also makes it harder to remember things.

Personal Development Exercise

A1.) Get familiar with the next lecture material so you're not learning it on the spot in class. In this way, you're not just busy taking notes and trying to comprehend everything when you get home. Also, you can come to class prepared with questions that came up during the reading.

A2.) Don't be afraid to get help whether it's from classmates or during office hours. You might not be the only one confused about a specific problem so help each other out. Take advantage of extended office hours especially if regular office hours don't fit your schedule.

A3.) Make note of any weaknesses and address them as soon as possible before it's too late rather than just dismissing it and having to worry about it later on. This is especially true for the material that you can only get better at by practicing (e.g. sequences and induction).

B1.) Don't fall behind on homework otherwise you might end up cramming multiple materials before a quiz or exam which simply doesn't work. Also, you might lose the opportunity to get help in time if you encounter a serious obstacle.

B2.) Don't just study/practice solely for a quiz or mid-term and forget about it later on. The later material might have a continuation of the previous material. Also, by reviewing previous materials now and then, you wouldn't end up having to relearn a lot of things for the final.

Three recommendations:

1. TAKE NOTES, taking notes in class is very important, the notes in the lecture is very clear, it can make you understand the process of the problems. In addition, in case you will forget the method how to solve the problem, you can also check your notes to remind you.
2. DO NOT STUDY ONLY THE DAY BEFORE THE TEST, if you only study the day before the test, you will have no idea what the lecture taught about, also if you have questions it is hard to find someone can teach you.
3. STUDY WHAT YOU LEARN, everyday you learn new stuff in class. It is nice to study at the same day, because the lecture in your mind is still clear, do your homework and study your note. You can find the problem you don't know and there has a chance to ask.

Two study or personal mistakes:

1. DO NOT BE NERVOUS, most of people will be nervous when they are taking test, just like me. In my case, although I studied all the stuff, I will forget all the things when I was nervous.
2. ASK YOUR QUESTION, when you have question, don't hesitate to ask. Students sometimes thought they can handle the problems by themselves, but when they realize they don't know, that is too late, so ask your question when you have.

Recommendations

1. You must read and study the green sheet carefully since you get it. Professor Lo is not going to repeat the methods that have already been written on the green sheet.
2. Make sure you check Professor Lo's website every day. The answer of the quizzes and exams and some lecture review sheets will be post on the website.
3. The speed of taking should be fast enough to catch on the class. Professor Lo speaks really fast, and you have to make up your speed to catch every detail he mentions in class.

Mistakes

1. I did not do homework properly. The quizzes and exams are mostly based on the homework, and that is the reason why I lost points from them.
2. I did not manage my time well. Once I did not get enough sleep before the midterm, and I woke up late and miss the midterm. That really hurt my grade.

If you take course of math43, I really recommend 3 things that would help you a lot during the course. First of all, taking note neatly is important. It will remind you when you look through your note before quiz and exam. The instructor is good at organizing and making a note. You build basic notion with the note and do homework. It's much easier than just get into homework. Secondly, doing homework and spending time to exercise is important. If you want to get high grade in this class, finish homework clearly and practice until you perfectly solve them. Moreover, quizzes and exam include almost of homework, so you need to spend time to do homework anyway. Once you done it, you would know that really well. For the third, attend class always, do not miss a class. Although the instructor teaches competently, the class is going very fast. If you miss a class, it is hard to catch up right away. There is nothing to easy. Do not just give it a lick and a promise. However, if you work hard, the benefits can be great.

One major mistake I made during the course is arithmetic calculation. Even though I prepared for quiz well and did double check every time, I have at least an arithmetic error on all quizzes and exam. That is why I cannot get a perfect score even once. The other mistake I made during the course is I often delay homework. It makes me too tired, because it takes much time to finish all problems. If I had taken this course beside few classes and done homework every day, I could have achieved it much more easily.

During MATH D43, first, I tried to understand where the equations came from because instructor gives us about that proof. However, you should not just memorize it. You should understand the equations origin. If you try it, you will not make algebraic mistakes. Second, if you want to do the first recommendation, should not be absent the class. I strongly recommend that be on time every day because if you skip the class even one time, you cannot understand how you prove the problems. My last recommendation is you do your homework when the instructor tells you that start homework. It is easy way to understand that you will learn. I have a lot of recommendations to increase your chances of succeeding, but these three recommendations are the most important things to improve your skills.

I was lazy to do homework, so at the first time, I had a problem to understand lectures. Then, I made a lot of mistakes on quiz because I was overnight to understand and to prove problems even it is not too much. After that time I changed my habit, I could understand lectures easier than before. Therefore don't be lazy like me. Sometimes, I did my homework on midnight. It was really bad habit because class start in the morning. If I went to bed too late, I haven't focused on class. Now, I am more diligent than before. If you are diligent, you will get high grade in this class, but if you are lazy, you should be diligent. Then, I pretty sure that you will get A or B easily. Good luck!

Recommendations

1. Don't stay up late the night before lecture. Although Mr. Lo's lectures are exciting and aren't necessarily boring, a lack of sleep and not being able to pay attention even for one lecture can seriously harm your grade. If you do find yourself falling asleep then go outside and do some pushups.
2. Try your best to attend every lecture because every lesson builds on the one prior to and if you miss one you'll find yourself confused later on. If you must miss a lesson then make sure to read over a friend's notes, or ask questions during Mr. Lo's office hours, or in group tutoring.
3. Dedicate an hour to two each day for studying for math. This class is not an easy A and you will not succeed if you don't put the work into it. However, you will succeed with that specific time of an hour or two for studying.

Mistakes

1. Don't be overconfident ever. During lectures you may feel confident and think that you know all the material, and you just might, but that's irrelevant. You have to stay humble and think that you can always improve on your knowledge, because you can. Being overconfident made me make stupid mistakes on the quizzes and tests that I would have had no problem, had I put in a little more effort.
2. Do the homework every night. This coincides with the don't be overconfident thing. Doing the homework will enable you to better remember the material for the quizzes and tests and such. Not doing the homework, even for one section, will make doing well on quizzes really difficult. I guarantee you will make stupid mistakes on the quizzes if you don't put the effort in your homework. I made stupid mistakes on both the quizzes and tests because I didn't do a decent chunk of the homework.

Mistakes

I did not get a study partner. Even if math is easy for you getting a study partner forces you to study. It's easy to procrastinate and not do homework and study until the last minute. If you have a study partner you will feel more obligated to study. You can lie to yourself about your understanding but you can't lie to your partner.

I made the mistake of not doing well on the first midterm. Doing well on the first exam can help you if you mess up later. I should have tried harder to make sure I understood the material before the first midterm. I didn't understand how important the first midterm was in relation to the entire class.

Get a tutor early, even if you feel you do not need one. I didn't think I needed a tutor but it's better to be safe than sorry. Worst case, you do well on the first midterm and discontinue the tutoring. Best case, you realize that you aren't understanding the material when reviewing with the tutor and continue the tutoring so that you do well on the midterm. I wish I had gotten a tutor early on before the first midterm.

I didn't utilize my weekends to the fullest. I should have stayed up later at night in order to finish the homework. It's very important to finish the homework on the regular schedule because missing out on one day's homework can leave you out of balance for the rest of the week. I do not believe the homework itself will prepare you for the quizzes/midterms but they will be a good start to understanding the concepts.

Did not read textbook beforehand. I waited until I was actually doing the homework before I read the section. This is a bad practice. It is very crucial to your understanding of the material that you read the sections before the lecture. If I had read the material before the lecture I would have already been predisposed to the material and I would have been able to generate more questions and only fill in gaps during the lecture. Since I did not do this, the lecture was all new material information for me, and I wasn't able to retain it.

Recommendations

Mr.Lo posts previous quarter practice quizzes on his website. In order to access them go the very bottom of the website and click "Farewell to XXX quarter." These are very helpful because the problem types combine multiple topics into one problem. Also time yourself taking them as if they were a real quiz, it will help give you a better understanding about how you would do if it was a real quiz. If you aren't able to solve all the problems correctly and in a reasonable amount of time, you can look at the solutions and practice the concepts you do not understand. It's better to fail mock quizzes/midterms and fill in gaps in your knowledge rather than the real quiz/midterm.

Fail early, fail more. If you are getting all the homework problems right, look for more challenging problems. Practicing material that you already understand after a certain point will not help you much but by getting problems wrong you learn more than by doing something you already knew how to do. Break the material and think about it as many different ways as possible. Make connections and test hypothesis.

Buy multiple colored pens. Mr.Lo's lecture style revolves heavily on using multiple colors (primary blue, black, green, red). Make sure you have the colors otherwise the notes are sort of useless. His methods for solving problems often times revolve around using multiple colors and you can use multiple colors on your quizzes/exams.

Go to Mr.Lo's office hours. Try to not ask questions like "How do I do this problem?" First, try the problem to the best of your ability, and explain your work to Mr.Lo. He will help you understand what you are doing wrong or better ways of doing them. He also won't just flat out tell you the answer but rather help you by giving you hints and making you come up with the conclusion. This helps build understanding in the material.

Come early so you can sit in the front.

Pros

- You are more inclined to pay attention
- You can hear better
- You can see better (No moving head back and forth because someone's head is too big)
- Less distractions (you are forced to see only the lecture)

Cons

- None

I do believe sitting in the front enabled me to pay more attention in the class. I considered myself overall a distracted person so by sitting in the front I was able to focus more.

1. 3 Recommendations for what a student should do to increase their chances of success, and why each one is helpful

- *Don't be afraid to ask questions when you don't get something:*

This is extremely crucial because in this class one thing usually leads to another and if you don't get a step and are afraid to ask because you're embarrassed or think that it's a simple thing that other people usually get, I guarantee that the confusion will accumulate and you'll panic a day or two before a quiz or a midterm. And when you DO reach the point where you panic a day or two before the quiz or the midterm, do come to office hours to clarify the things you don't get.

- *Do the homework and don't let it pile up:*

I know that the homework can feel like such a burden, but it seriously helps in preparing you for the quizzes/midterms. When you let your homework pile up, you will start to feel to just let it slide and not do it altogether, and that will put you at a disadvantage because most of the questions of the quizzes are taken from the homework.

- *Pay attention during class:*

As simple as it may sound, paying attention in class is actually really important because if you only take down the notes written on the board without really giving 100% of your attention, you won't get the materials that are being covered in class.

2. 2 study or personal "mistakes" that you (or someone you know) made during this quarter that really hurt your (their) chances of succeeding and why specifically each one had a negative impact

- *Stop writing when you are told to do so:*

Earlier during the quarter, I made this mistake and got a zero right away on the quiz. Although you may think that by writing extra stuff would help to increase your grades, the consequences will not really be worth it because you'll end up with a zero instead.

- *Do not cheat/work together when you're not supposed to:*

A friend of mine committed this mistake later during the quarter and the consequences were dire, although she only made this mistake for 1 question on a quiz. When you cheat, you risk getting an F for the entire course, and may even face a more severe punishment if the ordeal reaches the dean.

Personal Development Assignment for Math 43

3 Suggestions to increase your chances of success in Math 43, as taught by Prof. Bert Lo:

1) Do your homework:

For some of the problems on quizzes and tests, the only time you'll see the material is during homework. When he says that all material in homework and lecture is fair game, he actually means it. In a moment of wishful thinking, I hoped that he would include formulas that were in the homework, but hadn't been discussed during lecture. Some professors do that, but this one doesn't, so be forewarned.

2) Stay engaged during lecture:

Take notes, try the problems, ask questions. If you sit back and simply are able to follow things are done, you will not be prepared for the tests when you will need to solve the problems on your own. I used to be too embarrassed to ask questions, thinking, well it's my fault that I didn't do the homework or reading. But plenty of students asked those sorts of questions, and they got the help they needed. Prof. Lo does not embarrass you in class for asking those sorts of questions.

3) Take advantage of the help that is offered:

More than any other instructor I've had, Prof. Lo goes out of the way to offer his students help. He sets up group tutoring times. He offers opportunities to recover lost points. He holds office hours every day. Appreciate all the help he's offering and use it.

2 Mistakes & how they hurt your/their chances of succeeding & why they each had a negative impact:

1) Not checking my answers on a quiz (or test):

I usually finished each quiz with a little time to spare. At that point, I had a decision to make, should I turn in the quiz, go back to review a problem that I wasn't quite sure on, or check my work. I know well enough now never to turn in a quiz early when the instructor has given you more time. But in a couple of cases, I chose to go back and work on a problem of which I wasn't quite sure. But those were also the quizzes where I had the lowest scores. Checking my answers takes less time and recovers more points than if I try to use that time to go back and rework a problem. Of course, you have to be well-enough prepared that you have very few of those kinds of problems.

2) Lack of Focus:

I noticed a few students in the class who didn't seem to be paying attention to the lecture. Obvious suggestions would be to put away your phone and get enough sleep so that you're not falling asleep during lectures. Even if you're awake, but you spend all your energy trying to stay awake, it's very hard to get what you need to out of the lectures.

But aside from those cases, sometimes it can simply be hard to focus. Telling yourself to focus more doesn't always work. Having my own struggles with attention and focus, I'd like to pass along to others some coping mechanisms that I've developed over the years. First, I often feel like I have too many thoughts or reminders running around in my head. I've learned that it's better to just write those down in the margins of my notebook. That clears my brain and reduces my anxiety about trying to remember things. (Writing it in your notebook is much better than writing it on your phone since it's faster and less distracting.) Second, I have to actively work on the examples during the class. I have discovered that I do better in classes where I'm doing problems than in lecture-type classes, like PoliSci.

Recommendations:

1. Depending on your study habits and how fast you learn the material, I find it helpful to only do the LEARN and part of the PRACTICE assignments when learning new materials and then doing the rest of the PRACTICE and TEST exercises a day or two before a quiz. This strategy happens to be helpful if you're a busy person and do not have time to practice extra problems. Mr. Lo does a good job of choosing problems in the text book that cover most or all of the main ideas in each section and doing both LEARN and PRACTICE exercises familiarize you with the material while the TEST makes the concepts stick right before the quiz. However, I don't recommend this for all chapters since some concepts do need more practice than others, such as vectors.
2. When correcting your own tests, I recommend that you go to Mr. Lo whenever you've gotten an answer wrong or are unsure about a question. If your work is clear and your logic is understandable, he will usually award some partial credit. That partial credit could mean the difference between a C and an A, so use it to your advantage.
3. Even if you're just taking quizzes, I find it extremely helpful to have a study buddy to work with the day before you take the quiz. You can compare answers for the problems in your homework and clarify something you don't understand. And even if you do understand the material and feel like you don't need a study buddy, I still suggest you do it. Explaining a concept to someone is just as helpful to you as it is to the other person because it solidifies your understanding. Repeating a concept ensures that you will more likely remember it. It also shows you understand the material. If you can't explain it, then you don't understand it.

Mistakes

1. Know your properties, pay attention to detail, and watch out for careless mistakes! While knowing the general ideas or concepts of what you're learning in a section are important, it's *more* important to remember the minor details or properties concerning some of the concepts you cover in class. I made a lot of small mistakes on quizzes that ended up costing me a whole bunch of points I could have gotten if I paid attention. It will be very frustrating otherwise, knowing you could have gotten all the points if you remembered to carry all your negatives or remembered that one property applies to say, a matrix, but not a determinant.
2. Do not miss too many classes. While getting notes from someone is a good idea, often times Mr. Lo wants you to perform a problem and show your work a certain way. You won't find this in the textbook, so be sure to either ask someone if there is a specific format or attend all the classes. Lacking the format could cost you easy points on a quiz or midterm. This happened to me on one of my quizzes when I missed a lecture on a section. Every point is important!

RECOMENDATIONS

1. Do not cram the day before the quiz/Midterm. This will not be very helpful, instead try to cram the third and second days before the midterm (if you really need to cram). Let your brain rest in order to observe as much information as possible (This includes a goodnight's sleep).
2. Constantly discuss what you learn in class with others (even to family members/pets). This will help your brain remember the information you learned in more detail since you are reiterating the information/process. You should also try to help your classmates when you have the opportunity. (ex: group tutoring)
3. Try to use all available resources, such as tutoring center, CALCHAT, solution book, classmates, and office hours. Talk to others about studying tips, (some use SKYPE) it might help you find different ways to study that might be more useful than before. This should become your daily routine; it will make the class seem easy.

PERSONAL MISTAKES

4. **DO NOT TAKE MORE THAN YOU CAN HANDLE.** Try not to take an overwhelming amount of units in one quarter. **YOU WILL CRASH AND BURN.** Try to manage your time wisely. If you are not self-disciplined enough, your grades will suffer. Make sure you know what you can handle; you don't want to be depending on future midterm/quiz scores to get a passing grade.
5. **KEEP UP WITH THE HOMEWORK.** Even if the section was taught a day or two before the tests, you have to do the homework. This will not stick to your brain otherwise just from the lecture. Try to do all the homework problems and in order, do not skip problems.

How to Succeed:

1. Do the homework. Homework is a great way to practice the material and even learn new things about the material. If you can be honest with yourself, the homework is a great way to let you know whether you truly understand the material or if you need more practice. The homework also prepares you for quizzes and midterms.
2. Take excellent lecture notes. Notes are great for self-referencing purposes, so if you happen to be stuck on a homework problem, or just trying to review and study for a quiz, a midterm, and the final, your lecture notes will be one of your best tools. As explained in the green sheet, the lecture notes are supplemental to the textbook, so information covered in the textbook sometimes doesn't cover the lecture and vice versa. Also, the lecture notes give you an alternative just so you don't feel confined to one way of learning, which could restrict your learning potential. For example, if you don't like the textbook's explanations or their methods to approach the problems, you may choose your notes to help you learn, you may choose the textbook's explanations and the lecture's approach to the problems, or any combination—your pick—the possibilities are endless!
3. Get at least one study buddy! You're going to need another person when you miss a lecture, when you need someone to be your quiz partner, and when you need clarification on an assignment or material. Whenever I'm confused about math or a math assignment, I ask my study buddy and when my study buddy missed a lecture, I gave him a copy of the lecture notes. I had another study buddy who didn't know where to find the second midterm review packet and I instructed her to go to the website for the packet.

Personal/Study Mistakes:

1. Going on "vacation" after the first midterm, or taking lengthy breaks, for that matter. Bert Lo has told the class about students in the past doing well on the first midterm, but ended up either dropping or failing the class because they decided to slack off, which was something I did. After earning ~90% on the first midterm, I was relieved and exhausted, so I decided to take daily naps after school and focus on other classes. Meanwhile, I was overestimating the time I needed to study in order to understand the material, so when the second midterm approached, I studied frantically and superficially understood topics covered in the second midterm. I improved on my study habits after receiving unsatisfying results on the second midterm (~73%), but I overestimated the date for the last midterm; however, I was quite prepared because I had done some adequate studying and I even earned a decent ~83%.
2. Barely attending the tutoring sessions and making no use of the extended office hours. I only used extended office hours when I want to defend my work for the self-grading quizzes and only used tutoring sessions before the quizzes and midterms I didn't feel confident in. I think that whether or not I was comfortable with any topic covered in class or on my own, if I had always attended the extended office hours with questions and participated in the tutoring sessions, I could have learned something useful from the tutor and my peers as well as help my peers with what I already know.

Recommendation

1. Finish your homework before you take any quizzes or tests.

Quizzes and tests are not more difficult than your homework problems. If you fully understand the materials and you are able to solve your homework problems in the sections corresponding to your quizzes or exams, you would be fine.

2. Do your homework when professor assigns.

Although he does not collect the homework, you might want to do your homework like daily. If you just choose to finish your homework the day before a quiz or test, you won't be able to ask questions on your homework because it is already too late.

3. Keep away from your calculator.

Since you are not allowed to use a calculator during most of quizzes or tests, you better practice doing simple algebraic calculations in your hand even when you do your homework in order to reduce the possible chance of making a tiny mistake.

Mistake

1. I ruined a quiz, and I didn't go see Prof. Lo for partial credit because I didn't think I could get any partial credit on that.

If you got a wrong answer because of one teeny tiny mistake that you made at the first place on a problem on a quiz, you want to go and see Bert to get partial credit. He is WILLING to give you partial credit if your calculation looks like you knew the concept.

2. One time, I didn't bring my calculator to class since he doesn't really use calculators in class.

However, on several chapters, you need a calculator to follow and fully understand materials. Always keep your calculator in your bag just in case he uses during a lecture.

Recommendations:

1. Try to look at your notes while preparing for the quizzes. The lectures have lots of examples of what to expect to have on the quiz. That will really make the preparation not as hard as it could be.
2. Always do your homework. That is very important. That will help to understand the material deeply. Also homework has some things that is not covered in the class, but can appear on quizzes and midterms.
3. Try not to memorize, but to understand the concepts of how to solve the problem. There are lots of different formulas that all look familiar to each other and it can be very easy to mix them up and use not the right one. If you understand the concept it will be very easy to solve the problems.

Mistakes:

1. I very often made arithmetic mistakes. That was very annoying. You can make all the concept right but then make a small arithmetic mistake and at the end you will get completely weird answer.
2. Also, I do not read the book regularly. That leads to the score on some tests to drop down and be not as high as it could possibly be.

Recommendations to succeed:

- (1) It is common sense that taking notes during lecture is utmost important. Sometimes we find ourselves too engrossed in taking notes that we forget to listen to what the professor just said. Not all details are written on the board so make sure you write down what you heard too and not only the ones you see on the board. Also to save time, use your own words but make sure you write down some terms exactly as you would most likely find them on quizzes, tests and extra handouts.
- (2) Most people are not used to forming study groups in math classes. I myself did not form any in this class but I could see that the students in the class who form study groups actually benefit from it. They might not have the time to do the homework together but they obviously did check their answers with one another. They would be the ones who always ask homework questions in class. It would be a benefit if you can have a few students from the class to form a group like that.
- (3) Make sure you ask questions and things that you are uncertain of. Past materials that you don't fully understand would affect your future learning progress. Attending group tutoring provided would be a lot of help too.

Personal mistakes:

- (1) Doing something for the first few weeks and slowly not doing it is a common problem among us. I started doing the homework every single day and even on weekends. I was satisfied with my quiz and 1st midterm grades and started to think that I would still be well if I skip some homework questions or not even do it. In the end, I found myself falling quite a lot behind and couldn't catch up with the homework section. Don't get all so happy after the first few weeks, make sure you do the homework till the end of the quarter.
- (2) Don't prepare for quizzes and midterms last minute. Make sure you know the class schedule well and prepare everything in advance. And as I mentioned above, because homework questions are most likely to appear similar to questions on quizzes, accumulating them would only hurt yourself badly on quizzes and tests.

Recommendations:

- This class is definitely harder than the average class, so do not take it lightly. If you assume that you're better than the average student there WILL still be hardships for you in this class so have the mindset to thoroughly give effort to this class, not just the effort you think you may need to give.
- If you do not understand a concept, MAKE SURE YOU UNDERSTAND IT. This might be one of the most cliché things ever said in terms of advice for a math class but it is fruitful in its context. Professor Lo is willing to devote a lot of his time and effort to helping individual, so utilize his office hours because earlier concepts tend to snowball themselves throughout the quarter into more complex ones later on.
- The professor is better than the book. Do not expect the book to explain everything because it doesn't. Your notes will save you when it comes to the homework and the tests, so take them even if it might not be your *style*.

Mistakes:

- Do the homework, like ALL OF IT. Once again another cliché but this is extremely important. A lot of the times obscure problems appear towards the end of the homework assignments and those ones also happen to challenge your understanding of the concept. Such problems frequently appear on the tests which will utterly destroy your grade if you don't practice them.
- If you take the flashcard approach in terms of studying, keep track of and organize the ones you made for the quizzes. When the midterms and the final come up, you'll be able to reuse the ones you made and cut down the time redoing needless work you have already done.

Personal Development Exercise

Advice

1. Go to office hours to defend your work. On most of the quizzes, you will be given several days to defend your work during office hours. This will allow you to get partial credit for questions where you made a small mistake which led to an incorrect solution. This can make a significant difference in your final grade, and allows you to understand your mistakes, so that you can correct them in the midterms and final.
2. Do more homework than assigned. If you do extra homework starting on the first day of class, you will be able to fully understand all of the problems, which makes it easier to learn new topics. Furthermore, you should go back and do some of the unassigned problems before each quiz/midterm to make sure you haven't forgotten material.
3. Read the textbook before class. This allows you to have a small understanding of the material, which will be enforced when you go to class. If you read the textbook after going to class or not at all, you will have a much harder time doing the homework.

Mistakes

1. Don't miss a single day of class. Learning the material by yourself takes much longer, and can cause you to fall behind on homework.
2. Be thorough on the quizzes and tests. If you do a step in your head instead of writing it down on the paper, you are more prone to errors, and even if you get the correct answer, you might still get partial credit for not showing your work. Additionally, you should check all of your work after completing a test.