SYLLABUS FOR MATH 140

Sections 021 and 041

The Pennsylvania State University, Fall 2015

Course Title: Calculus with Analytic Geometry I

Lecture Room: 075 Willard Bldg

Lecture Times: Section 021: MTWF 2:30 pm – 3:20 pm, Section 041: MTWF 3:35 pm – 4:25 pm

Final Exam: Date: During the week of December 14–18. **Do not plan to leave campus until after Friday, December 18.**

Instructor: Dr. Larry Rolen

Office: 212 McAllister Bldg

Email: lpr5123@ucs.psu.edu **Please use your official university email for correspondence, as emails from other addresses such as gmail etc. are at risk of being put in the junk folder by the university spam filter and are not secure or verified.**

Text: Single Variable Calculus, Stewart, 7E

Office Hours: Tuesdays 10-11 am, Wednesdays 1-2 pm, and Thursdays 1-2 pm, or by appointment. If there is any change to the regular office hours, it will be noted on the course website. Office hours are also subject to change if there are a significant number of people with serious conflicts with the times listed.

Course Website:
 http://www.personal.psu.edu/lpr5123/calc2015.html

Please check this website regularly for course announcements and updates, as well as weekly assignments.

Overarching Math 140 syllabus: All sections of Math 140 in Fall 2015 are bound to the rules set forth in the syllabus provided at

`https://www.math.psu.edu/files/140syllabusFA15.pdf`

Students are also responsible for understanding the rules about exams, cheating, etc. as presented there, as rules found in either this syllabus or the syllabus on that website are binding. In particular, if there is an error in this syllabus due to my fault which is in conflict with the course syllabus at that website, the default will be to accept the interpretation given there, overriding this syllabus.

   Note: All dates on this syllabus are in 2015.

   Dropping the course: You mad add or drop courses without penalty within the first ten calendar days of the semester. You may late drop the course within the first 12 weeks of the semester, but you will then accrue late drop credits equal to the number of credits in the course. Please note that baccalaureate students are **limited to 16 late drop credits**, and that the late drop deadline for this semester is November 13. If you have any concerns about the course, such as whether you are able to pass the course or keep up with the course, please contact me as soon as you can, and in particular before this date so that we can discuss your situation.

   Rough course plan: This course, as with the other sections of Math 140, will follow the rough course plan outlined on pages 6–8 of the overall calculus syllabus, available at this website:

`https://www.math.psu.edu/files/140syllabusFA15.pdf`

The course learning objectives may also be found there. If you have missed a class and need to know what was covered that day, please try to ask a friend or contact me to see what you missed.

   Prerequisites: Students are required to pass the ALEKS exam or to have passed Math 22 AND 26; or Math 40 or Math 41. Signing up for this course despite not having the formal prerequisites is strongly discouraged, and will only create problems for yourself. Students are expected to have a basic knowledge of elementary algebra and trigonometric functions (i.e. the standard "precalculus" material). These topics will be assumed throughout the course. If you have any questions about background material, let me know **ASAP**. If you need a refresher, there are numerous good resources on the internet as well as help and tutoring available, and you can ask me at office hours.

Exam policy: There will be two 75 minute midterm exams and a final exam. The dates of the midterms are as follows.

   Midterm 1: October 5, 6:30-7:45 pm.

   Midterm 2: November 3, 6:30-7:45 pm.

   Calculators, notes, and textbooks are not allowed in exams or quizzes. It is strongly encouraged to not overuse calculators when studying or doing

the homework. In particular, calculators will not be essential to do the homeworks.

In addition **you must bring your University ID to all exams to be checked.** Rooms for the exams can be found at a later date, and they may also be found at this website:

`http://www.math.psu.edu/ug/courses/`

when they become available.

In addition to the regularly scheduled exams there are two additional options scheduled for each exam: a *conflict exam* and a *makeup exam.* The conflict exam is scheduled on the same night as the regular exam from 5:05-6:20 pm, and the makeup exam is scheduled on a different evening. Students who take the conflict exam **cannot leave** before 6:25. Signup sheets for the makeup and conflict exams will be distributed in class, and you must sign up **at least one week** ahead of your scheduled exam date. You also need a **valid reason** for taking an alternate exam, and when signing up, you must provide me with valid proof, such as a computer printout of your schedule demonstrating that you have a conflict with another course or a valid medical exemption. The conflict exam is only for those with a documented conflict with the regular exam time, such as official university business or a conflict with another course. If you do not sign up for the conflict exam, you may not take the exam. **It is your responsibility to know the time and location of the conflict and makeup exams, and to sign up for them if needed.**

Note: If you miss an exam without an official excuse, you may sign up to take the makeup exam, but with an automatic 20% deducted from your grade. In order to avoid this situation, you must notify me *before* **the regularly scheduled exam takes place with a valid, documented excuse.**

Remember, you are responsible for knowing the date and time and room of the makeup exam, and **as with all exams**, you must bring your University ID to the conflict exam, which will be checked by the proctor. You will not be allowed to leave or turn on cell phones until 6:25 pm, even though the exam ends at 6:20 and even if you finish early. Leaving before this time will result in an **automatic 0 grade** with no possibility of retaking the exam.

The makeup exam may only be taken by those who have a valid, documented excuse, such as a course conflict with both the regular and the makeup exams, or for medical reasons. There is no penalty for taking the makeup exam in such documented circumstances, provided you notify me enough in advance, provide proof, and sign up for the makeup exam sufficiently in advance. Personal business, such as travel, family events, concerts, etc. will not be considered as a valid reason, and forgetting the time of the exam will not be accepted. In this case, the student must sign up for the makeup exam with a 20% deduction to your score. Makeup exams are not available for those who already took the regularly scheduled or the conflict exam. That is, you only get

"one chance" and you cannot retake the exam to make up for performance on the first attempt on the exam.

If you are ill, injured, etc. on exam night, you must contact me within **24 hours** and sign up for the makeup exam in class as soon as possible. I am required to turn in this form 3 class days prior to the exam date, and if you do not sign up by this time, **you will not be allowed to take the makeup exam.** If there is a valid, documented reason that the student has missed both the regular and makeup exams, it may be possible to take a makeup exam by appointment. These must be scheduled through me and also approved by the course coordinator Dr. Cindy Parsons, and must be completed no later than one week after the scheduled makeup exam. Once again, as with all exams **you must bring your University ID** to the makeup exam, which will be checked by the proctor, and **you are responsible for knowing the time and locations of the makeup exams as well as signing up for them when you need to take it.** The makeup exams will take place at the following times.

Makeup Exam 1: October 13, 6:30-7:45 pm.

Makeup Exam 2: November 9, 6:30-7:45 pm.

Final exam:

The final will take place during the week of December 14-18. **It may take place at any date or time during this week, so do not make travel plans until after Friday, December 18**. Students may find their final exam schedules starting on September 28 using their e-lion accounts. Notifications of conflicts are given on your final exam schedule. You may have a direct conflict (two exams at the same time) or an overload conflict (three or more exams within 15 hours). Students may choose to take the three or more exams in the same day if they choose, or they may request a conflict final exam. **You must take action to request a conflict exam through e-lion between September 28 and October 18. Conflict exams cannot be scheduled through the math department, and in particular there will be no sign up sheet in class and I can not schedule a conflict exam for you.** Students who miss or cannot take the normal final exam due to a documented, valid reason may be allowed to take a makeup exam at the beginning of the next semester. Again, **personal business, travel, employment, family events, forgetting the exam, etc.** are not valid excuses. In particular **if you plan to leave town before December 19 and the exam is later scheduled at that time when you plan to leave, this will not constitute a valid excuse.** If you do not have a valid excuse and miss the exam, a 25% penalty will be imposed. You must contact me with any requests for a makeup exam, and it must be approved by Dr. Cindy Parsons, the course coordinator, as well. Again, you must contact me within **24 hours** of the regularly scheduled exam. As with the midterms, you may not take the makeup final exam if you have already taken the regular final exam.

Homeworks: Homework assignments will be given every week on the course website unless otherwise announced. Unless otherwise noted, they will be **due on the Friday**

of that week and must be turned in at **the beginning of class on Friday**. **You must include your name legibly and displayed clearly on each assignment.** Late homeworks will be penalized. You are encouraged to study with others, but your homework must be written up independently. Copying will not be tolerated, and will result in penalties. Moreover, you are only cheating yourself by copying, as the exams are by far the largest part of the grade in the course and you will not be able to discuss with others on exams. Allowing others to copy from you is also unacceptable and will be punished. Thus, it is strongly encouraged that you understand every step of how to solve each problem. Not every problem will be graded, and a selection of problems will be randomly graded on each assignment. However, it is important to do all of the problems, as points will be given for attempting all of the problems with complete answers, and it is essential to **show all of your work** for full points. In most cases, getting the final numerical answer correct will not result in full credit if there is insufficient work explaining it or if the steps along the way are incorrect. Please note that you will be graded on your steps in solving problems in certain sections on the exams, so it is important to know how to carefully explain your answers in an understandable way to others.

Quizzes: Unless otherwise announced, there will be a quiz **at the beginning of class each Friday**. The lowest two quizzes will be dropped, and hence there will be no make up quizzes for any reason, barring extraordinary, documented personal reasons such as extended illness. Again, it is crucial to **show all of your work**, as you will only receive a small amount of credit for the final correct answers alone. Furthermore, you raise your chances of scoring higher by showing your work, as even if the final answer is slightly incorrect, if you have demonstrated an understanding of the problem but only made a small error you will receive most of the points. These quizzes will be timed, and will serve as practice for the exams. **Arriving late to class will not allow you to take more time on the quiz, so it is crucial to come to class on time.**

If you need to use the restroom during a quiz in class, you must leave your cell phone in the classroom.

Grading Scale: The following cutoffs will be used in determining your grade. In order to maintain fairness across the various sections of this course, these cutoffs are **strict** and will not be lowered. In addition, students who are "just below" a cutoff will not be bumped up. There will also be no opportunities for extra credit.

There will be a total of 450 points in the course, distributed as follows:

Midterm 1: 100 pts
Midterm 2: 100 pts
Final Exam: 150 pts
Homeworks: 40 pts
Quizzes: 60 pts

The grade cutoffs are then as follows:

417–450 pts: A

403–416 pts: A-
390–402 pts: B+
372–389 pts: B
358–371 pts: B-
345–357 pts: C+
313–344 pts: C
268–312 pts: D
0– 267 pts: F

Deferred grades: If you are currently **passing** a course but cannot complete the course due to valid, documented emergency or medical reasons may be granted a deferred grade. In this case, you will be allowed to complete the course within the first several weeks of the following semester. Please note that deferred grades are limited to those students who can prove a valid reason for not being able to take the final exam. More information on the DF grade and this procedure in general can be found at

https://handbook.psu.edu/content/deferred-grade.

Electronics Policy: Cell phone use during class is unacceptable. All in-class laptop use must be approved by the instructor and may be revoked if abused. If you need to use the restroom, you must leave your cell phones in the classroom before you leave. In particular, use of any calculators or phones during a quiz, or leaving the classroom during a quiz and taking a phone with you will result in an automatic 0% on the quiz.

Additional help: Free mathematics tutoring is available at Penn State Learning, which is located in 20 Boucke Bldg. Tutoring will start during the second week of the semester, and additional information can be found at

http://pennstatelearning.psu.edu/

If more help is needed, a private tutor list is available at

http://www.math.psu.edu/ug/courses/

under the "Additional Information" section. If you are in doubt and need help navigating these resources or have questions in general about help, please contact me as soon as possible.

Academic Misconduct: Copying another student's work on homeworks, quizzes, or exams, passing off another's work as your own, using phones or calculators on quizzes or exams, having unauthorized possession of copies of exams or quizzes, other acts of deception (including lying to obtain extensions or rescheduling of homeworks, quizzes, or exams), and aiding others in cheating (e.g. letting another copy your work) are all examples of (but not the only instances of) academic misconduct and will not be tolerated under any circumstance. If you are suspected of such activity, confidential charges will be made against you and academic sanctions will be recommended against you. If you refuse to respond to such allegations within a reasonable period of time, this will be taken as an admission of guilt. If you choose to accept or contest the charges, it will be sent to the Academic Integrity Committee, and you cannot withdraw

from or drop the course during this process. If you are found guilty, you will receive sanctions which may include, but are not limited to, a warning, an automatic 0 grade on an assignment, quiz, or exam, an overall reduction in the final course grade, or an automatic F in the course, depending on the severity of the offense. Furthermore, you will not be able to drop or withdraw from the course, and, for instance, cannot drop the course to avoid penalties. For further information about the procedure for such cases, please consult the Eberly College of Science Academic Integrity homepage, available at

`http://science.psu.edu/current-students/Integrity/index.html`

Students with disabilities: Students with disabilities are welcome in this course. If you have a disability-related need for reasonable academic adjustments in this course, please contact the Office for Disability Services (ODS) at 814-863-1807 (V/TTY). Further information is also available at the ODS website at:

`http://equity.psu.edu/ods`

In order to be considered for any such accommodations, you **must** contact the ODS directly and provide documentation (see the guidelines at

`http://equity.psu.edu/ods/doc-guidelines).`

If you qualify for accomadation, the ODS will write an accommodation letter for you which will detail what accommodations are appropriate, and you will have to share this document with me. Please do this as soon as possible if you require accommodations and discuss with me if you have any questions. You must go through the whole process for every semester that you request accommodations, so having been approved for prior semesters is not sufficient.

Further Questions: If you have further questions or concerns, please do not hesitate to consult me. If you need further guidance, it is also possible to contact the course coordinator Dr. Cindy Parsons at

`cjp@psu.edu.`

Her office is at 104 McAllister Bldg, and her phone number is 814-865-7528. Please try to contact me first before contacting Dr. Cindy Parsons, as there are many sections of calculus, and when emailing her, you must include your name, student ID, course, and section number in any correspondence.