

MA16010 : Applied Calculus I (Polytechnic), Fall 2018

COURSE WEB PAGE: <http://www.math.purdue.edu/ma16010>

PREREQUISITE: MA 15400 C- or better, MA 15800 C- or better, ALEKS score of 75% or above, SAT math score of 600 or above or ACT math score of 26 or above

TEXTBOOK: No textbooks required to purchase. Course contents will be provided to students online through LON-CAPA, free of charge.

HOMEWORK ACCESS: Online homework access through LON-CAPA will be provided to students, free of charge.

Discussion Board: We will use Piazza for online discussion. A graduate assistant will be moderating Piazza on a regular basis.

Calculator: A scientific calculator with a one-line display is required. **ONLY THIS TYPE OF CALCULATORS WILL BE ALLOWED. NO EXCEPTIONS.** Recommended is the TI-30Xa. If in doubt, please double check with your instructor. You are allowed to use but **NOT** to share the approved calculators on exams.

Homework: Homework assignments will be assigned regularly. There are 35 homework assignments with 5/3 points each. The **lowest two** homework scores will be dropped. Monday's assignment is due at 10:00pm on Monday, and Wednesday's assignment is due at 10:00pm on Wednesday. You are expected to view the course material and attempt the homework *before* attending that day's class. If you are not able to complete your homework on time and have extenuating circumstances with valid supporting documents, please talk to your instructor.

Note: If you believe that a homework question is graded incorrectly after the answer is available, please send an email to homework.appeal@purdue.edu. Any email appeal must contain the student's full name, course number, section number, class time, assignment number, problem number, and a brief description of the issue. A grade adjustment will not be made if students did not follow the instructions on how to type the math expressions in LON-CAPA.

Portfolios: There will be **3 portfolios with 55 points each**. Each portfolio will consist of quizzes (making up 16.5 points of the portfolio) and practical assignments/projects (making up 38.5 points of the portfolio). There will be quizzes at the beginning of each class session (with the exception of exam days and final project work days - see the course calendar) over the material for that day. You are expected to view the material for each class session and attempt the homework *before* coming to class. The portfolios will be submitted in groups, and each member of the group will receive the same grade, subject to the team contract.

Final Project: Toward the end of the course, you will form a team to demonstrate what you've learned through a culminating applied project, which is worth **120 points**. Examples and options will be presented, but you will have the freedom to design a project that fits your team's unique skills and interests. Your team will need to propose and defend your selected project topic and get instructor approval in advance of starting the project, including a justification of team size. Upon project completion, you will individually submit a written description of your and your teammates' contributions to the project as well as individually complete an oral defense of the project to the instructors. Your Final Project grade will reflect the quality of the project as a whole as well as your individual contributions.

Exams: There will be three midterm exams and a final exam. All exams are course-wide, multiple-choice, machine-graded exams. The three midterms are all evening exams. The time and date of the midterms can be found in the calendar. The final exam information will be given later in the semester. **The semester does not end until Saturday, Dec 15 at 9:00 pm. Individuals wanting to leave campus early will not be granted early final exams to accommodate travel plans.**

If you miss an exam for any reason, please contact your instructor immediately and explain why you missed the exam. You should be prepared to present documentation to your instructor that supports the reason for your absence. If you contact your instructor within 24 hours from the scheduled exam, your instructor will allow you to take an alternate exam either with no penalty OR with a 20 point deduction, depending on the reason for your absence. If you miss an exam with no valid reasons and you do not contact your instructor within 24 hours from the scheduled exam, you will not be allowed for an alternate exam. Not knowing the right time, date or location of an exam is not a valid reason for missing it.

Warning: If there are any special circumstances that may affect your ability to successfully complete an exam (illness, family emergency, etc.), you must discuss the situation with your instructor before taking the exam, even if you must do so right before the exam. Your instructor will then be able to advise you on your options. Do not wait until after you take the exam to mention a situation to your instructor.

Extra Credit: There will be 10 points of extra credit available for the semester. Announcements of these extra credit opportunities will be made via email and/or in class. There will not be any other extra credit.

OFFICE HOURS: Most instructors hold office hours in the Math Resource Room, MATH 205. The office hour schedule can be found on the course website. The schedule will be finalized after the first week of classes. There will also be office hours specifically for the Polytechnic version of MA 16010 IMPACT, which you can find in LON-CAPA. You are strongly urged to go to office hours if you have questions. It is the best way to get individual help.

GRADES: The course grade will be based on a total of 640 points.

Homework	55
Portfolio 1	55
Portfolio 2	55
Portfolio 3	55
Final Project	120
Exam 1	60
Exam 2	60
Exam 3	60
Final Exam	120
Total	640

Final letter grades will be determined using the following grading scale. This grading scale has already incorporated a curve in it. There will not be any other curves. To ensure the fairness to all students, we will STRICTLY follow the grading table below. No bump-ups will be given.

total points > 615: A+
563 < total points ≤ 615: A
545 < total points ≤ 563: A-
527 < total points ≤ 545: B+
480 < total points ≤ 527: B
462 < total points ≤ 480: B-
444 < total points ≤ 462: C+
389 < total points ≤ 444: C
371 < total points ≤ 389: C-
353 < total points ≤ 371: D+
306 < total points ≤ 353: D
288 < total points ≤ 306: D-
total points ≤ 288: F

ACCOMMODATIONS FOR STUDENTS WITH DISABILITIES: If you have been certified by the Disability Resource Center (DRC) as eligible for academic adjustments on exams or quizzes, please see <http://www.math.purdue.edu/ada> for exam and quiz procedures for your mathematics course or go to MATH 202 for paper copies.

In the event that you are waiting to be certified by the Disability Resource Center we encourage you to review our procedures prior to being certified. For all in-class accommodations, please see your instructors outside class hours-before or after class or during office hours-to share your Accommodation Memorandum for the current semester and discuss your accommodations as soon as possible.

CAMPUS EMERGENCY PROCEDURE: In the event of a major campus emergency, course requirements, deadlines and grading percentages are subject to changes that may be necessitated by a revised semester calendar or other circumstances beyond the instructor's control. Announcements regarding campus emergencies will be sent via course-wide emails and be posted on the course web page.

ACADEMIC DISHONESTY: The Mathematics Department will not tolerate academic dishonesty of any sort. If academic dishonesty occurs, then grade penalties will be imposed, possibly to the extent of an "F" in the course. Additionally, all cases of academic dishonesty will be reported to the Office of the Dean of Students for disciplinary action (which may include probation, suspension, or expulsion). If you would like to report issues of academic integrity, you can report to the Office of the Dean of Students (purdue.edu/odos), call 765-494-8778 or email integrity@purdue.edu.

SECTION CHANGES AND DROPS: Please talk to your instructor.

LAST ADD DATE: The last day you can add this course is Tues, Sep 25. Students adding at this time must take an alternate Exam 1. Students are expected to keep up with the current material while studying for the alternate Exam 1.

COURSE EVALUATIONS: On Monday of the fifteenth week of classes, you will receive an official email from evaluation administrators with a link to online course evaluations. You will have two weeks to complete this evaluation. You are strongly encouraged to participate. Your feedback is vital to maintaining and improving the quality of education at Purdue University.

EMERGENCY PREPAREDNESS SUMMARY: A document about emergency preparedness can be found on the course web page under syllabus. Here is a summary.

If an alarm is heard inside a building, immediately evaluate the building. Get a safe distance from the building. Remain outside the building until police, fire, or other emergency response personnel provide additional guidance or tell you it is safe to leave or return to the building.

If an alarm is heard outside a building, immediately seek shelter in a safe location within the closest building. These types of alarms may indicate a tornado, a civil disturbance, or release of hazardous materials in the outside air. Remain inside the building until police, fire, or other emergency response personnel provide additional guidance or tell you it is safe to leave.

In both cases above, you should seek additional clarifying information by all means possible such as Purdue University home page, email alert, TV, radio, etc.