

Ground rules for MA 16100 IMPACT, Fall 2017

Course Objectives: 1. To compute limits and to apply limit laws. 2. To apply rules of differentiation to compute derivatives of elementary functions. 3. To sketch graphs of functions with the aid of differentiation techniques. 4. To find maxima and minima of functions; optimization problems 5. To compute integrals of some elementary functions and to apply the Fundamental Theorem of Calculus to compute areas of certain planar regions.

Description: Many students find that large lectures are not the best way for them to learn. IMPACT is a university-wide program at Purdue whose goal is to replace large lectures with something that works better. MA 16100 IMPACT is a version of Calculus I which emphasizes

- active learning, and
- extra time devoted to topics that many students have trouble with, such as word problems.

The class will meet on Tuesdays for a 75 minute large session mainly devoted to group work, with some mini-lectures on useful topics. There will also be recitation sections twice a week. An important difference from traditional calculus is that these 75-minute IMPACT sessions will not “cover” the material; instead, you will watch lectures which are included in the WebAssign assignments. The purpose of the IMPACT sessions is to give you an opportunity to spend extra time on the more difficult aspects of the course and to discuss your thinking with each other, and also with your TA’s and with Professor McClure.

Attendance Policy: Students will receive the grade of F for MA 16100 IMPACT for the following violations of the attendance policy (but they may transfer to the ordinary MA 16100 without penalty until October 24):

- Missing more than one Tuesday meeting after the first week without an approved documented excuse
- Being more than 5 minutes late for a fourth time to the Tuesday meeting after the first week without an approved documented excuse
- Missing 1 Tuesday meeting after the first week and being more than 5 minutes late to three others without an approved documented excuse.

Excuses must be approved by Professor McClure.

You may not leave the IMPACT sessions before the end: Students who leave an IMPACT session before the end will lose all IMPACT points for that week. If there is a special situation such as a doctor’s appointment, you can request permission from the instructor to leave early. If possible, you should ask about this before the day of the session.

Homework: There are 37 online assignments using WebAssign

<https://www.webassign.net/purdue/login.html>

Due dates and times are listed on the WebAssign “Course View.” Generally, homework from the Friday and Monday lectures are due Tuesday at 11:00^{pm} and homework from the Wednesday lecture is due Thursday at 11:00^{pm}.

Transfers: If you transfer sections, it is your responsibility to notify the TA of the new section so that he/she can request to have your past WebAssign scores moved over.

Late Registration: If you have not registered for the course but intend to, you should ask the TA for the section you are attending to get you a WebAssign account and you should start submitting the assignments. There is a two week trial period for the WebAssign account. After that you will have to pay the (nonrefundable) access fee.

IMPACT Activities: Each Tuesday, an IMPACT problem set will be distributed to all students. This will be due at the beginning of the next Tuesday session. Each student should turn in a solution set. The solutions will be graded for completion (2 points), one problem will be graded for correctness (2 points) and each group will present a solution to the TA during certain weeks (there will be 5 of these, worth 6 points each).

Quizzes: There will be a quiz in every recitation class, except during the last week (Dead Week) and the review days for exams. The quizzes will be on the material from the homework assignments that have been due since the last quiz. The quiz problems will be similar to the homework problems.

Policy on Late Homework and Missed Quizzes: Late homework will not be accepted. No make-up quizzes will be given. At the end of the semester the 3 lowest homework scores and the 2 lowest quiz scores will be dropped. Students who are forced to miss class for an extended period of time should see their TA and contact the Office of the Dean of Students.

Extra Credit: There are four extra credit opportunities, each worth 2 points. The Calculus Concept Inventory Quiz will be given at the second recitation and at the last recitation before dead week. Students will also be sent two surveys by email, one at the beginning of the semester and one at the end.

Midterm Examinations: There will be three (3), one-hour, multiple choice, midterm exams:

EXAM 1 – Thursday, September 21 (6:30^{pm})
EXAM 2 – Thursday, October 19 (6:30^{pm})
EXAM 3 – Thursday, November 16 (6:30^{pm})

Final Examination: There will be a two-hour, multiple choice final during final exam week. The time and place will be announced later.

Web Page for MA 16100 IMPACT: www.math.purdue.edu/MA161I

Check this page (not Blackboard) for important information and announcements. There is a calendar for the entire semester which is *different* from the calendar for the regular 16100 course (but the homework due dates and exam dates are the same).

Calculators: Calculators are not allowed on exams or quizzes. It is important that you learn to do simple manipulations by hand.

Grades: Course grades will be determined from your total score which will be computed as follows:

IMPACT points	90 pts
Homework	100 pts
Quizzes	100 pts
3 midterms at 100 pts each	300 pts
Comprehensive Final Exam	<u>200 pts</u>
TOTAL	790 pts

There are no pre-set letter grade cut-offs. These will be based on course-wide performance on the exams. But generally, *about* 90% is needed for an A, while anything lower than 50% would be an F. (Please note that these are *estimates* based on historical data.)

Office Hours: www.math.purdue.edu/academic/officehours

You may attend any of these hours in the Math Help Room (MATH 205) to get help with the class.

Supplemental Instruction: There are Supplemental Instruction (SI) study sessions available for this course. These study groups are open to anyone enrolled in this course who would like to stay current with the course material and understand the material better. Attendance at these sessions is voluntary, but extremely beneficial for those who attend weekly. Times and locations for the study session can be found here: www.purdue.edu/si or the free app: www.purdue.edu/boilerguide Students who attend these interactive sessions will find themselves working with peers as they compare notes, demonstrate and discuss pertinent problems and concepts, and share study and test-taking strategies. Students are asked to arrive with their student ID card, lecture notes, and questions to these informal, peer-led study sessions.

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 see 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 Professor McClure outside class hours before or after class or during his office hours to share your Accommodation Memorandum for the current semester and discuss your accommodations as soon as possible.

Important Dates:

Last day to drop a course without it being recorded: Monday, **September 4** (5:00^{pm}).

Last day to drop a course: Tuesday, **October 24** (5:00^{pm}).

Academic Dishonesty: Matriculating at Purdue implies a commitment to embrace our Statement of Integrity

www.purdue.edu/purdue/about/integrity_statement.html

and to abide by our principles of Academic Honesty at

www.purdue.edu/odos/osrr/academicintegritybrochure.php

This commitment is an integral part of the value of a Purdue education. In particular, according to University policy, cheating, plagiarism, lying, and deceit in any of their diverse forms (such as the use of substitutes for taking examinations, the use of illegal cribs, plagiarism, and copying during examinations) is dishonest and must not be tolerated. Moreover,

knowingly to aid, abet, directly or indirectly, other parties in committing dishonest acts is in itself dishonest. If found guilty of academic dishonesty, possible penalties range from receiving a failing grade to expulsion from the University.

The following Exam Rules will be printed on each midterm and on the final exam:

EXAM RULES

- (1) Students may not open the exam until instructed to do so.
- (2) Students must obey the orders and requests by all proctors, TAs, and lecturers.
- (3) No student may leave in the first 20 min or in the last 10 min of the exam.
- (4) Books, notes, calculators, or any electronic devices are not allowed on the exam, and they should not even be in sight in the exam room. Students may not look at anyone else's test, and may not communicate with anybody else, except, if they have a question, with their TA or lecturer.
- (5) After time is called, the students have to put down all writing instruments and remain in their seats, while the TAs will collect the scantrons and the exams.
- (6) Any violation of these rules and any act of academic dishonesty may result in severe penalties. Additionally, all violators will be reported to the Office of the Dean of Students.

I have read and understand the exam rules stated above:

STUDENT NAME: _____

STUDENT SIGNATURE: _____

Course and Instructor Evaluations: During the last two weeks of the semester, you will be provided an opportunity to evaluate this course and your instructor(s) through online course evaluations. On Monday of the 14th week of classes, you will receive an official email from evaluation administrators with a link to the online site. You will have two weeks to complete this evaluation. Your participation in this evaluation is an integral part of this course. Your feedback is vital to improving education at Purdue University. We strongly urge you to participate in the evaluation system.

Other Issues:

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. To get information about changes in this course please check frequently the course web page: www.math.purdue.edu/MA161I