

Course Syllabus for MA 16100, Spring 2016

Basic Information: Lecture MWF 3:30p-4:20p in CL50 224. Recitation TTh. Lecturer and Course Coordinator: Dr. Philip Mummert, MATH 846, 494-1914, pmummert@purdue.edu

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.

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.

Quizzes: There will be a quiz in every recitation class, except during the last week (Dead Week). The quizzes will be on the material from lessons whose homework is due the previous recitation. The Readiness Quiz (Quiz 1) is a quiz to help you self-evaluate your mastery of the prerequisite skills necessary to learn calculus.

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 the lecturer.

Midterm Examinations: Three (3), one-hour, multiple choice, midterm exams:

EXAM 1 – Monday, February 8	(8:00 ^{pm})
EXAM 2 – Monday, March 7	(8:00 ^{pm})
EXAM 3 – Monday, April 11	(8:00 ^{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: <http://www.math.purdue.edu/MA161>
Check this page (not Blackboard) often for important information and announcements. There is also a detailed *Course Calendar* for the entire semester posted.

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 overall score which will be computed as follows:

Homework	100 pts
Quizzes	100 pts
3 midterms @ 100 each	300 pts
Comprehensive Final Exam	<u>200 pts</u>
Overall Score	700 pts

The scores will be uniformized across different sections by using the Common Exam Total, (i.e. the sum of scores in Midterm and Final Exams out of 500 possible). Each TA will be allocated a certain number of each kind of grade to award as follows: the number of those grades earned on the Common Exam Total. The Common Exam Total grades will be allocated *at least as generously* as the following cutoffs (out of 500 points): 450 A+/A/A-, 400 B+/B/B-, 325 C+/C/C-, 250 D+/D. The TAs will award their allocated letter grades within each section by the Overall Score out of 700 points.

Office Hours: <http://www.math.purdue.edu/academic/officehours>

You may attend any of these hours in the Math Help Room (MATH 205).

Dr. Mummert's office hours will be posted on the Course Web Page.

Supplemental Instructions: 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.

Academic Adjustments 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 <http://www.math.purdue.edu/ada> for exam and quiz procedures for your mathematics course, or go to MATH 242 for paper copies. In the event that you are waiting to be certified by the DRC we encourage you to review our procedures prior to being certified. For all in-class accommodations, please see your instructor 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.

Important Dates:

Last day to drop a course without it being recorded: Monday, **January 25** (5:00^{pm}).

Last day to drop a course: Friday, **March 11** (5:00^{pm}).

Academic Dishonesty: Purdue prohibits "dishonesty in connection with any University activity. Cheating, plagiarism, or knowingly furnishing false information to the University

are examples of dishonesty.” [Part 5, Section III-B-2-a, University Regulations] Furthermore, the University Senate has stipulated that “the commitment of acts of cheating, 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 and abet, directly or indirectly, other parties in committing dishonest acts is in itself dishonest.” [University Senate Document 72-18, December 15, 1972]. For more details about the Purdue Policy on academic dishonesty see

<http://www.purdue.edu/odos/academic-integrity/>

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

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 anybody 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 or other circumstances beyond the instructors control. To get information about changes in this course please check frequently the course web page:

<http://www.math.purdue.edu/MA161>