

## Syllabus for MA 16100 IMPACT, Spring 2014

**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 new 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 session mainly devoted to group work, with some mini-lectures on important topics. There will also be recitation sections twice a week. An important difference from traditional calculus is that the Tuesday sessions will not “cover” the material; instead, you will have access to recorded lectures from last semester which you can watch at your own convenience. The purpose of the Tuesday 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 the instructors.

**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.”

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

**Attendance Policy:** Students will receive the grade of F for MA 16100 IMPACT for the following violations of the attendance policy:

- Missing more than 1 Tuesday meeting without an approved documented excuse
- Being more than 5 minutes late for a third time to the Tuesday meeting without an approved documented excuse

**IMPACT Activities:** Each Tuesday, an activity sheet will be distributed to all students. This will be due at the beginning of the period the following Tuesday. Students will be responsible for presenting some of the problems from the activity sheet at the beginning of recitation after the sheet is due.

**Quizzes:** There will be a quiz in every recitation class, except during the exam weeks and the 15<sup>th</sup> week (Dead Week). The quizzes will be on the material from lessons whose homework is due the previous recitation. 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 3 lowest quiz scores will be dropped. Students who are forced to miss class for an extended period of time should see their lecturers and contact the Office of the Dean of Students.

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

EXAM 1 – Thursday, February 13	(8:00 <sup>pm</sup> - 9:00 <sup>pm</sup> )
EXAM 2 – Thursday, March 13	(6:30 <sup>pm</sup> - 7:30 <sup>pm</sup> )
EXAM 3 – Thursday, April 17	(6:30 <sup>pm</sup> - 7:30 <sup>pm</sup> )

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

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

IMPACT points	75 pts
Homework	100 pts
Quizzes	100 pts
3 midterms @100 each	300 pts
Comprehensive Final Exam	<u>200 pts</u>
<b>TOTAL</b>	<b>775 pts</b>

**Web Page for MA 16100 IMPACT** : <http://www.math.purdue.edu/MA16100I>

Check this page often for important information and announcements. There is also a detailed *Daily Calendar* for the entire semester posted.

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

You may attend any of these hours in the Math Help Rooms (MATH 205 and MATH 211) for help with your MA 16100. See <http://www.math.purdue.edu/resources/helproom/info/> for real-time data on help room visitation and staffing.

**Calculators:** Calculators are not allowed on exams or quizzes. It is important that you learn to do simple manipulations by hand. A few homework problems are assigned that need graphing software such MATLAB or a graphing calculator or <http://math.hws.edu/xFunctions/>. The goal of these problems is to help illustrate the theory and to help you understand the power (and limitations) of graphing calculators.

**Students with Disabilities:**

Students who have been certified by the Office of the Dean of Students Disabilities Resource Center as eligible for **academic adjustments** should go to MATH 242 with a copy of their proceed this semester to get these adjustments made in Mathematics courses. It is not the same as last semester. **This should be done during the first week of classes or as soon as the student receives his/her letter.** Only students who have been certified by the ODOS-Disability Resource Center and who have requested ODOS to send their certification letter to their instructor are eligible for academic adjustments.

Students who are currently undergoing an evaluation process to determine whether they are eligible for academic adjustments, are encouraged to find out **now** what procedures they will have to follow when they are certified, by requesting the above mentioned Information Sheet from MATH 242.

**Important Dates:**

Please refer to the calendar of the Office of the Registrar: <http://www.purdue.edu/registrar/Calendars/>

**Academic Dishonesty:**

Purdue prohibits academic dishonesty. 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. For more details about the Purdue Policy on academic dishonesty see

<http://www.purdue.edu/odos/osrr/academicintegritybrochure.php>

**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). On Monday of the 14<sup>th</sup> 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/MA16100I>