

Syllabus for MA 16100 IMPACT, Fall 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 useful 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 watch lectures which are included in the WebAssign assignments. 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.

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):

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

Excuses must be approved by the course instructor, Professor McClure.

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.

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 usually be a quiz in every recitation class; the schedule is posted at the course web page. The quizzes will be on the homework that was collected the previous day. 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.

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

EXAM 1 – Tuesday, September 23	(6:30 ^{pm} - 7:30 ^{pm})
EXAM 2 – Thursday, October 23	(6:30 ^{pm} - 7:30 ^{pm})
EXAM 3 – Wednesday, November 12	(6:30 ^{pm} - 7:30 ^{pm})

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

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 @100 each	300 pts
Comprehensive Final Exam	<u>200 pts</u>
TOTAL	790 pts

Web Page for MA 16100 IMPACT : <http://www.math.purdue.edu/academic/courses/MA16100I/>
This page has a calendar for the entire semester which is *different* from the calendar for the regular 16100 (but the homework due dates and exams are the same).

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) to get help with the class (but they will not know about the IMPACT problems). 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. They are used for some homework problems.

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.

Academic Adjustments for Students with Disabilities: The Department of Mathematics offers alternative testing environments for students who are registered with the Disability Resource Center. Students who need accommodations must deliver a copy of their Accommodation Notification Memorandum to the Undergraduate Services Office (MATH 242) and request an information sheet for their course. Memorandums should be delivered to the Undergraduate Services Office (MATH 242) within one week of receipt from the Disability Resource Center. The Information Sheet explains the process for receiving exam accommodations for your mathematics course. Enlarged copies of the information sheets are available upon request. Students currently undergoing evaluation through the Disability Resource Center should also request an information sheet from the Undergraduate Services Office (MATH 242).

Important Dates:

Last day to drop a course without it being recorded: Monday, **September 8** (5:00^{pm}).

Last day to drop a course without a grade: Monday, **September 22** (5:00^{pm}).

Last day to drop a course with a passing or failing grade: Wednesday, **October 29** (5:00^{pm}).

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>

Campus disruptions:

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. Information will be sent to you by email.

Emergency plan during IMPACT sessions:

If there is a fire alarm, we will vacate the building and gather in the space between the Stewart Center and the Union. If there is a tornado warning we will remain in the classroom. If there is a hazardous materials release or a civil disturbance, including a shooting or other use of weapons, we will suspend class and shelter in the classroom, locking or securing the doors and turning off the lights.