

# MA16020 : Applied Calculus II

## FALL 2015

**COURSE WEB PAGE:** <http://www.math.purdue.edu/ma16020>

**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.

**PREREQUISITE:** Minimum grade of C- in MA16010 or MA16100 or MA16300 or MA16500 or MA16700 or MA22300 or MA22100 or MA23100

**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 quizzes and exams.

**Homework:** Homework assignments will be assigned regularly. The **four** lowest homework scores will be dropped at the end of the semester. If you are not able to complete your homework on time and have extenuating circumstances with valid supporting documents, please communicate with your instructor.

**Quizzes:** There will be frequent quizzes, possibly more than once a week. No make-up quizzes will be given. Only your instructor can excuse a quiz.

Requests to have deadlines extended and/or work excused **must be made at the time of your absence**. No consideration will be given to requests made after that time.

**Exams:** There will be 3 midterm exams and a final exam. The time and dates of the 3 midterms can be found in the course calendar. The final exam date and time will be available by the end of September. **The semester does not end until Saturday, December 19 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 25 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 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 contact your instructor.

**OFFICE HOURS:** Most instructors hold office hours in the Math Help Rooms, MATH 205 or MATH 211. In addition to instructors from your course, instructors from other courses in the help rooms can also help you. The office hour schedule can be found on the course website. The schedule will be finalized after the first week of classes. You are strongly urged to go to office hours if you have questions. It is the best way to get individual help.

**Discussion Forum:** We will use Piazza for the online discussion board, mostly for homework questions. More details will be provided to you once the semester starts. This is the place for you to interact with the other fellow students and get your homework questions answered. **You are highly encouraged to actively participate in the discussion.**

**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 regularly. Times and locations for the help sessions can be found here: [www.purdue.edu/si](http://www.purdue.edu/si) or at the app: [www.purdue.edu/boilerguide](http://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.

**GRADES:** The course grade will be based on a total of 725 points. Since the three midterm exams and the final exam are common to all students, a normalization process based on the composite score (sum of the scores for Exam 1, Exam 2, Exam 3, and the final exam; maximum 560 points) is used to determine the number of each letter grade given in a section:

Homework	75
Quizzes	90
Exam 1	120
Exam 2	120
Exam 3	120
Final	200
Total	725

To insure a grade system that is as fair possible, and since the assessments common to all students and graded identically for all students are the four, course-wide exams, the best way to compare the learning of students in different sections with different instructors who will write and grade significantly different quizzes is using these four common exams. SO...

#### **SEMESTER LETTER GRADE CALCULATIONS:**

1. Each student's Exam 1, Exam 2, and Exam 3 scores and the final exam score will be added together, to form a composite score (out of a maximum of 560 points).
2. The Mathematics Department will decide on the A range, B range, etc., for the composite scores.
3. The course coordinator will count the number of composite scores for his/her students which are in the A range, B range, etc.
4. For course grades, the course coordinator will assign a number of As, Bs, etc, equal to the number of As, Bs, etc. earned as the composite scores. However, the final grades will be assigned based on total score (out of the 725 points as listed in the table above).
5. Example: Suppose there are 8 As, 10 Bs, etc. for the composite scores among your instructor's students, then the students in his/her section with the 8 highest total scores will receive an A; students with the next 10 highest total scores will receive a B; and so on.
6. If your total score is within 2 points of a grade cutoff, your grade will be raised to the higher full letter grade. If your total score is within 3-9 points of a grade cutoff, your grade will be raised

and a minus sign added (that is, you will earn an A-, B-, C-, or D-). If your total score is within 10-17 points of a grade cutoff, a plus sign will be added to your grade (that is, you will earn a B+, C+, or D+).

**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. If you have further questions not answered on that webpage, go to MATH 242 for help.

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 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. 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).

**DEADLINES FOR SECTION CHANGES AND DROPS:** During the first week of classes, section changes and drops are made via Banner within myPurdue, and no signatures are required. From the second through ninth weeks of the semester section changes and drops are possible using a Form 23 with the consent of your advisor and the instructor of the section you want to enter or drop. You will find the list of instructors with meeting times near the bottom of the course webpage. For drop signatures ONLY, if your instructor is not available, go to MATH 835.

**LAST ADD DATE:** The last day you can add this course is Tues, September 29. 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.

**EMERGENCY PREPAREDNESS SUMMARY:** A document about emergency preparedness can be found on the course web page. 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.