

# MA16020 : Applied Calculus II

## Course Information - Syllabus(Part II)

### SPRING 2019

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

**TEXTBOOK:** No textbook to purchase. Course contents will be provided to students online through LON-CAPA free of charge. [loncapa.purdue.edu](http://loncapa.purdue.edu)

**HOMEWORK ACCESS:** Online homework access through LON-CAPA will be provided to students free of charge. [loncapa.purdue.edu](http://loncapa.purdue.edu)

**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. HIGHLY 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 normally be due at 6:59AM, the day of the next lesson/lecture. **Homework due dates and times will appear in LON-CAPA.** The **three** 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 and also with myself, the Course Coordinator(Owen Davis [davisok@purdue.edu](mailto:davisok@purdue.edu)).

**Special Note:** If you feel one of your homework answers is being graded incorrectly, please get help using the Piazza Discussion Board mentioned further below, posting the problem with the answer you think is correct, however actual LON-CAPA grading mistakes are extremely rare. **AFTER homework answers are available for a given HW assignment in LON-CAPA**, when a HW assignment goes past due, then do email the LON-CAPA troubleshooting person(Ryan Spitler [rspitl@purdue.edu](mailto:rspitl@purdue.edu)) if the answer you submitted was incorrectly graded.

**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 4 midterm exams and a 2 hour final exam. The midterm exams will be administered **8:00PM** to 9:15pm in Elliott Hall of Music, ELLT 116. The dates of the midterms exams can be found in the course calendar. The final exam date and time will normally be available by the middle of February. **The semester does not end until Saturday, May 4 at 5:00 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 **AND the Course Coordinator**(Owen Davis [davisok@purdue.edu](mailto:davisok@purdue.edu)) immediately and explain why you missed the exam. **You should be prepared to present documentation to the Course Coordinator that supports the reason for your absence.** If you contact the course coordinator(Owen Davis [davisok@purdue.edu](mailto:davisok@purdue.edu)) within 24 hours from the scheduled exam, the Course Coordinator **might** allow you to take an alternate exam either with no penalty OR with a 15 point deduction, depending on the reason for your absence. If you miss an exam with no valid and documentable reasons and you do not contact the Course Coordinator 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 an exam.

**Exam 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 **AND the Course Coordinator(Owen Davis davisok@purdue.edu)** before taking the exam, even if you must do so right before the exam. Your instructor and the Course Coordinator(Owen Davis davisok@purdue.edu) will then be able to advise you on your options. Do not wait until after you take the exam to contact your instructor AND the Course Coordinator(Owen Davis davisok@purdue.edu)

**OFFICE HOURS:** Most instructors hold office hours in the Math Resource Room, 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 through the course webpage. The schedule will be finalized during 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.**

**Math Resource Room (located in MATH 211).** The purpose of the Math Resource Room is to foster student learning. The MRR is a space for students to work collaboratively and for instructors to answer questions over course material and go through problems similar to students homework problems. The instructors will not do your exact homework problems. Instead, they will go through a similar problem with you to give you another example to work through. This is more beneficial for you, since it better prepares you for quizzes and exams.

**Piazza Discussion Forum:** We will use Piazza for the online discussion board for homework questions. There will be a moderator that can help you with even smaller issues like typing in answers correctly. Asking a question, posting a part of your solution and/or the answer you are typing in, can all be helpful to getting prompt useful help. This is also a great place for you to interact with other fellow students and get your homework questions answered by one another also. **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 720 points. Since the 4 midterm exams and the final exam are common to all students, a normalization process based on the composite score (sum of the scores for Exams 1 through 4 and the Final Exam; maximum 560 points) is used to determine the number of each letter grade given:

Homework	70
Quizzes	90
Exams 1 to 4, 90 points each	360
Final	200
Total	720

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 five, 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 common exams. SO...

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

1. Each student's Exams 1 through 4 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 each instructor's combined group of 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 720 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 3-13 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 14-24 points of a grade cutoff, a plus sign will be added to your grade (that is, you will earn a B+, C+, or D+).

**ACADEMIC ADJUSTMENTS FOR STUDENTS WITH DISABILITIES:** Purdue University strives to make learning experiences accessible to all participants. If you anticipate or experience physical or academic barriers based on disability, you are encouraged to contact the Disability Resource Center at: [drc@purdue.edu](mailto:drc@purdue.edu) or by phone: 765-494-1247.

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 202 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.

#### **SUPPORT for Stress, Anxiety, Learning Resources, or Mental Health:**

**If you find yourself beginning to feel some stress, anxiety and/or feeling slightly overwhelmed, try WellTrack, <https://purdue.welltrack.com/>.** Sign in and find information and tools at your fingertips, available to you at any time.

**If you need support and information about options and resources,** please see the Office of the Dean of Students, <http://www.purdue.edu/odos>, for drop-in hours (M-F, 8 am- 5 pm).

**If you're struggling and need mental health services:** Purdue University is committed to advancing the mental health and well-being of its students. If you or someone you know is feeling overwhelmed, depressed, and/or in need of mental health support, services are available. For help, such individuals should contact Counseling and Psychological Services (CAPS) at (765)494-6995 and <http://www.purdue.edu/caps/> during and after hours, on weekends and holidays, or by going to the CAPS office of the second floor of the Purdue University Student Health Center (PUSH) during business hours.

**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:** Academic honesty and integrity is a critical part of all we do at Purdue. Students are expected to adhere to the Purdue Honor Pledge: As a boilermaker pursuing academic excellence, I pledge to be honest and true in all that I do. Accountable together we are Purdue. See the Purdue Honor Pledge for more information.

The Mathematics Department will not tolerate academic dishonesty of any sort. If academic dishonesty occurs, then grade penalties will be imposed, zeros on assessments for sure, and up the extent of a directed 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). NOTE: students should be made aware that they can report issues of academic integrity that they observe, either through the Office of the Dean of Students ([purdue.edu/odos](http://purdue.edu/odos)), call 765-494-8778 or email [integrity@purdue.edu](mailto:integrity@purdue.edu) .

**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 or to see the Course Coordinator Owen Davis in MATH 812.

**LAST ADD DATE:** The last day you can add this course is Tuesday, February 5.

**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.