

Course Syllabus for MA 16200, Spring 2021 (Fully-Online)

5 credit hours

As a Boilermaker pursuing academic excellence, I pledge to be honest and true in all that I do. Accountable together - we are Purdue.

Lecturer and Course Coordinator:

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Email is preferred method of contact, but don't count on a response on evenings or weekends.

Due to the large number of students in this class, for most questions (in particular for questions about deadlines, grade calculations, or technical issues) it is recommended that you email your TA first. If the TA cannot answer your question he or she will forward it to the lecturer. Many questions can be answered quickly on *Piazza*.

Catalog Course Objectives: 1. Apply techniques of integration (integration by parts, trigonometric substitution and partial fractions) to compute areas of planar regions, volumes of solids of revolution and areas of surfaces of revolution, work, moments and centers of mass of homogeneous laminas. 2. Apply tests of absolute convergence of series to find the interval of convergence of some power series. 3. Find the Taylor and Maclaurin series of some exponential, rational and trigonometric functions. 4. Use polar coordinates to make it possible to sketch the graphs of some curves.

Fully-Online Configuration: This course has been configured to accommodate students in the fully online cohort. The lecture component of the course is delivered solely through online videos and notes posted in the course lecture (DIS) page in Brightspace - <http://purdue.brightspace.com>. Online recitations on Tuesdays and Thursdays will have optional participation and be recorded for later viewing. Students must complete timed recitation quizzes and exams within 24-hour windows.

Required Materials: Students are required to have an access code for the *Pearson MyLab Math* platform. A physical textbook is NOT required. A digital version of the textbook is included in *Pearson MyLabMath*. For reference, the textbook is *Calculus, Early Transcendentals*, (Third Edition) by Briggs, Cochran, Gillett, Schulz. *Pearson MyLabMath* is accessed through the course recitation (REC) page in Brightspace <http://purdue.brightspace.com>. There is a two week grace period before you must purchase an access code. If you are taking more than one semester of calculus, the full access code (multi-semester) is good for all the Calculus courses (MA 16100, MA 16200, MA 16500, MA 16600, and MA 26100) since they use the same textbook.

In terms of technology, students need a reliable Internet connection that is capable of consistently streaming video and stable enough to finish assessments. It is strongly suggested that you use Mozilla Firefox or Google Chrome (most compatible with Brightspace) to complete the course. It is not recommended that students rely solely on a mobile device. Students will need a suitable device (laptop, phone, etc.) for uploading completed quizzes as pdfs to *Gradescope*. Examity will be used for test proctoring; you will need a working built-in or external webcam and microphone and an Internet connection speed of at least 2 Mbps download and upload. Students are required to have an lcd writing tablet, or, a dry-erase whiteboard and marker for working out solutions during the exam instead of using paper.

Office Hours: The lecturer will offer individual help online at a time to be announced. Rather than emailing questions to your lecturer or your TA, students are encouraged to post these questions on *Piazza*. *Piazza* is an online platform for class discussion. *Piazza* will get you help fast and efficiently from TAs and classmates. The sign-up link is in the course recitation (REC) page in Brightspace.

Homework: There are 35 online assignments using *Pearson MyLab Math*. Due dates and times are listed in the *Pearson MyLab Math* system, and on the course calendar. Generally, homework is due Tuesday at 11:59^{pm} and Thursday at 11:59^{pm}. Contact your TA if you have unresolved concerns over how a homework problem was scored.

Quizzes: 20-minute quizzes will be posted in *Gradescope* on Tuesdays and Thursdays with a 24-hour completion window. Uploaded quizzes will be graded for accuracy. Late submissions (within 48 hours) will be awarded only half-credit, except for TA-approved circumstances.

Policy on Late Homework and Missed Quizzes: Late homework will not be accepted. No make-up quizzes will be given. The 3 lowest homework scores and the 2 lowest quiz scores will be dropped. Students who are unable to fulfill class expectations for an extended period of time should contact the lecturer.

Midterm Examinations: Three one-hour midterm exams completed within a 24-hour window on *Pearson MyLabMath* on a computer browser using the online virtual proctoring service *Examity*.

EXAM 1 – Thursday February 11 8:00pm to Friday February 12 7:59pm [EDT]

EXAM 2 – Thursday March 11 8:00pm to Friday March 12 7:59pm [EDT]

EXAM 3 – Monday April 12 8:00pm to Tuesday April 13 7:59pm [EDT]

Final Examination: The final exam will be a two-hour comprehensive exam completed within a 24-hour window on *Pearson MyLabMath* on a computer browser using the online virtual proctoring service *Examity* during final exam week. The date will be determined by the university registrar at a future date.

Exam Procedures: Students will have a 24-hour window in which to complete the exam using *Examity*. Students are required to have an lcd writing tablet, or, a dry-erase whiteboard and markers for working out solutions during the exam. Paper will not be allowed. There may be some unusual off-campus circumstances where virtual proctoring is not feasible; in these cases, the use of a pre-approved third-party proctor (verified well in advance of the exam date) may be warranted. Additional information about exam procedures and expectations will be provided before the first midterm exam. Contact your TA if you have unresolved concerns over how an exam problem was scored.

Course Web Page: <http://www.math.purdue.edu/MA162> has some useful links, including an exam archive from past semesters.

Important Dates:

Last day to drop the course without it being recorded: Monday, **February 1**

Last day to drop the course and receive a W: Monday, **March 22** (5:00^{pm})

Transfers: If you transfer sections of MA 16200, it is your responsibility to notify the TA of the new section so that he or she can ensure that your *MyLab Math* scores are transferred.

Grades: Course grades will be determined from your overall score computed as follows:

Homework	15 %
Quizzes	15 %
Three midterms @ 15 % each	45 %
Comprehensive Final Exam	<u>25 %</u>
	100 %

Course letter grade cutoffs will certainly be *at least* as generous as the following:

A+(97), A(93), A-(90), B+(87), B(83), B-(80), C+(77), C(73), C-(70), D+(67), D(60)
Cutoffs will be adjusted after each midterm exam to give students an idea of their standing in the course. Since TAs write and grade quizzes independently, students may be allocated some “extra credit” on the quiz category to make its median value similar across sections.

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 increase understanding. Attendance at these sessions is voluntary, but extremely beneficial for those who attend regularly. SI will be available online, and students can access the sessions through Brightspace. SI will be listed among the courses on the home screen, and the SI course page will display all of the SI Leaders session times and links, as well as office hour times and links. Even though SI will be virtual, the sessions will still be collaborative and interactive; students who attend these 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.

Commercial Note Taking: Notes taken in this class are generally considered to be “derivative works” of the instructor’s presentations and materials, and they are thus subject to the instructor’s copyright in such presentations and materials. No individual is permitted to sell or otherwise barter notes, either to other students or to any commercial concern, for a course without the express written permission of the course instructor. See University Senate Document 03-9, April 19, 2004.

Academic Dishonesty: Academic integrity is one of the highest values that Purdue University holds. Individuals are encouraged to alert university officials to potential breaches of this value by either emailing integrity@purdue.edu or by calling 765-494-8778. While information may be submitted anonymously, the more information that is submitted provides the greatest opportunity for the university to investigate the concern.

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

Communicating or sharing information with other students about the contents of an exam or quiz during the entire testing time window will be considered academic dishonesty. Such communication could be anonymous, viewing another's screen, posting to websites, sharing group texts, etc; you may not request or provide help from/to another person (whether they are in the class or not) via any medium during these time periods. Any student who is aware of such communications is obligated to report it to the instructor.

Quizzes are open-book, open-notes, open-calculator, open-browser. "Open-browser" means that you may look at static webpages, including the contents of the Brightspace and MyLab Math pages for this course. "Open-browser" does not mean you may launch a webchat, enter a discussion board, use problem-solving websites, browse problem-posting forums/services, post screenshots, message others, or engage in any communicative activity related to MA 162, as detailed in the paragraph above.

Violations of these expectations will typically result in a 0 for the assessment. Egregious violations will result in a failing grade for the course. All incidents will be reported to the office of the dean of students.

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 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 www.math.purdue.edu/ada for exam and quiz procedures for your mathematics course. If you have questions please send email to Stephanie Foster (foster80@purdue.edu). 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 contact your instructor as soon as possible. Here are instructions for sending your Course Accessibility Letter to your instructor:

www.purdue.edu/drc/students/course-accessibility-letter.php

CAPS Information: 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 support, services are available. For help, such individuals should contact Counseling and Psychological Services (CAPS) at (765)494-6995 and www.purdue.edu/caps during and after hours, on weekends and holidays, or by going to the CAPS office, room 224 of the Purdue University Student Health Center (PUSH) during business hours.

Health Concerns: If you become quarantined or isolated at any point in time during the semester, in addition to support from the Protect Purdue Health Center, you will also have access to an Academic Case Manager who can provide you academic support during this time. Your Academic Case Manager can be reached at acmq@purdue.edu and will provide you with general guidelines/resources around communicating with your instructors, be available for academic support, and offer suggestions for how to be successful when learning remotely. Importantly, if you find yourself too sick to progress in the course, notify your academic case manager and notify your instructors via email. We will make arrangements based on your particular situation. The Office of the Dean of Students (odos@purdue.edu) is also available to support you should this situation occur.

The Protect Purdue Plan, which includes the Protect Purdue Pledge, is campus policy and as such all members of the Purdue community must comply with the required health and safety guidelines.

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 instructor's control. To get information about changes in this course please check Brightspace and the course web page: www.math.purdue.edu/MA162