

Course Syllabus for MA 16100, Spring 2021

5 credit hours (CRN 19137)

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

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Office Hours:

In-person: Mondays 4:30-5:30, Wednesdays 3:30-4:30 in REC 313

Online (WebEx): Friday 1:30-2:30 at <https://purdue.webex.com/join/peterson>

The preferred method to contact me is via e-mail. However, due to the large number of students in this class, for most questions (in particular for homework or quiz extensions, questions about your grade, or technical problems with MyLab Math) it is recommended that you first e-mail your TA. If the TA cannot answer your question they will then pass the question along to me. Questions regarding the homework can be asked at any time on Piazza.

Instructional Modality: The course will be conducted in a hybrid/hy-flex format. Lectures will be fully online and asynchronous, while recitation sections will be in-person with the option for students to view recordings of the recitation section if they cannot attend in person.

Course Objectives:

1. To compute limits and to apply limit laws.
2. To apply rules of differentiation to compute derivatives of elementary functions.
3. To sketch graphs of functions with the aid of differentiation techniques.
4. To find maxima and minima of functions; optimization problems
5. To compute integrals of some elementary functions and to apply the Fundamental Theorem of Calculus to compute areas of certain planar regions.

Course Web Sites:

- *Brightspace* - <https://purdue.brightspace.com/d21/login>. At your Brightspace home page you should see two Brightspace courses associated with MA 161
 - Brightspace Lecture: One of the Brightspace courses is associated with the Lecture component of MA 161. This is where you will find the recorded lecture videos for the course, information about the exams, and important course documents. Also, **course announcements will be posted here so be sure to check this Brightspace page regularly.**
 - Brightspace Recitation: The other Brightspace course is associated with the Recitation component of MA 161. Here you will find recordings of the recitation sessions (if you are an online student or are unable to attend recitation in person). This is also where you will find the links to the MyLab and Gradescope pages associated with your section. Finally, the gradebook for MA 161 will be found in this Brightspace course (not the one associated to the lecture).

- *MyLab Math* - This is the website used for the online homework assignments and the exams. **You will need to purchase access to *MyLab Math* to be able to complete this course.** You should always access MyLab Math through the link in the Brightspace course associated to your Recitation section. Do not log in to MyLab Math directly from the Pearson website as this can sometimes cause problems where your homework scores are not linked to the Brightspace gradebook correctly.
- *Gradescope* - Solutions to the quizzes given in recitation will be submitted through Gradescope. You will take a picture of your solution and then upload the picture through Gradescope. Access to the Gradescope website can be found through the link in Brightspace. There is also one homework assignment (lesson 22) which has a handwritten portion that will be submitted on Gradescope.
- *Piazza* - Discussion forum and online homework help. Click on the link in Brightspace to enroll in the Piazza page for this course.

In addition to the above websites, the math department has a website for this course <http://www.math.purdue.edu/MA161> which not only has links to some of the important course documents which are also on Brightspace, but also has an archive of past exams for this course which can be useful in studying for exams.

Lectures: Instead of the traditional in-class 50 minute lectures, the lectures will be delivered through multiple short videos (typically 5-15 minutes each) in the Brightspace course connected to the lecture section.

Homework: There are 33 online assignments using *MyLab Math*.

Due dates and times are listed in the *MyLab Math* system and on the assignment schedule. Generally, homework from the Friday and Monday lectures are due Tuesday at 11:59^{pm} and homework from the Wednesday lecture is due Thursday at 11:59^{pm}.

Recitation Sections: Recitation section meetings will be on Tuesdays and Thursdays. For students in the online only sections or for those students who are unable to attend recitation in person (e.g., because of quarantine), recordings of the recitation section will be posted in the Brightspace course connected to the recitation section.

Quizzes: There will be a quiz in every recitation class with a few exceptions. The quizzes will be on the material from lessons whose homework was due the previous recitation. Quizzes will be submitted for grading by uploading scanned copies of solutions to Gradescope. Instructions on how to upload solutions can be found in the Gradescope module in Brightspace.

Exams: There will be three midterm exams and a final exam. The following is the schedule for the midterm exams.

EXAM 1 – Monday, February 15	(lessons 1-7)
EXAM 2 – Wednesday, March 17	(lessons 8-17)
EXAM 3 – Wednesday, April 14	(lessons 18-27)

The Final Exam will take place during final exam week (exact date and time is still to be determined), and the Final Exam will be comprehensive.

The exams will be conducted online with MyLab Math. The exams will be closed book, closed notes, and no calculators will be allowed. Additionally, students may not access any computer programs or websites other than MyLab while taking the exam. Any violation of these rules will be considered academic dishonesty and may result in a zero on the exam or an F in the course.

More information on how the exams will be proctored and the technology requirements for the exams is contained in the document “Exam Proctoring Information and Technology Requirements” which can be found on the Course Documents module of the Brightspace course connected to the lecture. All students are responsible for knowing the information in this document.

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

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

Since each TA will write and grade their own quizzes, quiz scores may differ from one recitation section to the next. To account for this, in sections where the quiz scores are lower than the other sections a fixed percentage will be added to everyone's grade to provide a fair comparison of grades across sections.

Final course letter grades will be assigned using the weighted totals calculated as above. The gradelines will be at least as generous as the following:

A+(95), A(90), A-(86), B+(83), B(78), B-(75), C+(72), C(65), C-(60), D(55), D-(53)

Advisory letter grades will be published after each midterm exam to give students an idea of their standing in the course.

Policy on Late Homework and Missed Quizzes: Any requests for extensions on homework or quizzes should be made by contacting the TA for your recitation section. These requests may be accepted or rejected at the discretion of the TA, though in general TAs will be instructed to only accept such requests that correspond to university approved absences or unavoidable circumstances (being busy with other classes, losing track of time, or forgetting the schedule are not acceptable reasons for an extension). 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 the lecturer.

Exam grading appeals: Students who wish to appeal their grade on a problem in an exam should send an e-mail to their TA.

Homework Help: Homework help can be obtained through the discussion forums on Piazza. See the link in Brightspace to access the Piazza page for this course. The purpose of the Piazza forum is to foster student learning. The TAs working on the forum will answer questions on 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.

Students should read the Piazza Forum Rules for MA 161 (a pinned post on Piazza) before posting questions. Adhering to these rules (for example, not using the correct format to title your question) will help your question get answered faster and will help all students navigate the list of questions that have already been posted and answered.

Calculators: Calculators or other mathematical software may be used on homework, but it is important that you not become too reliant on the calculators. You must be able to do simple manipulations by hand, and calculators will not be allowed for use on the midterm exams.

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 or WF: Monday, **March 22** (5:00^{pm})

Transfers: If you transfer sections, it is your responsibility to notify the TA of the new section so that he/she can check that your *MyLab Math* scores have carried over.

Supplemental Instructions: There are Supplemental Instruction (SI) study sessions available for this course. Due to Covid-19 Supplemental Instruction sessions and office hours will be held fully online via WebEx this semester. 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: <https://www.purdue.edu/asc/si/> or the free PurdueGuide app: <https://www.purdue.edu/asc/PurdueGuide.html>. 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 be ready with their lecture notes and questions to these informal, peer-led study sessions.

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 or go to MATH 202 for paper copies. If you have questions please send an email to Stephanie Foster at 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. Instructions for sending your Course Accessibility Letter to your instructor can be found at <https://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.

Commercial Note Taking in Classes: Notes taken in 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

<http://www.purdue.edu/odos/academic-integrity/>

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.

Special Issues - Covid-19: Students are expected to attend all classes in-person unless they are ill or otherwise unable to attend class. If they feel ill, have any symptoms associated with COVID-19, or suspect they have been exposed to the virus, students should stay home and contact the Protect Purdue Health Center (496-INFO). In the current context of COVID-19, in-person attendance will not be a factor in the final grades, but the student still needs to inform the instructor of any conflict that can be anticipated and will affect the submission of an assignment or the ability to take an exam. Only the instructor can excuse a student from a course requirement or responsibility. When conflicts can be anticipated, such as for many University-sponsored activities and religious observations, the student should inform the instructor of the situation as far in advance as possible. For unanticipated or emergency conflict, when advance notification to an instructor is not possible, the student should contact the instructor as soon as possible by email or by phone. When the student is unable to make direct contact with the instructor and is unable to leave word with the instructors department because of circumstances beyond the students control, and in cases of bereavement, quarantine, or isolation, the student or the students representative should contact the Office of the Dean of Students via email at odos@purdue.edu or phone at 765-494-1747. Our course Brightspace includes a link on Attendance and Grief Absence policies under the University Policies menu.

If you must quarantine or isolate at any point in time during the semester, please reach out to both your professor and your TA via email so that we can communicate about how you can continue to learn remotely. Work with the Protect Purdue Health Center (PPHC) to get documentation and support, including access to an Academic Case Manager who can 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. Your Academic Case Manager can be reached at acmq@purdue.edu. Importantly, if you find yourself too sick to progress in the course, notify your academic case manager and notify me via email or Brightspace. We will make arrangements based on your particular situation.

Protect Purdue: 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. Required behaviors in this class include: staying home and contacting

the Protect Purdue Health Center (496-INFO) if you feel ill or know you have been exposed to the virus, wearing a mask in classrooms and campus building, at all times (e.g., mask covers nose and mouth, no eating/drinking in the classroom), disinfecting desk/workspace before and after use, maintaining appropriate social distancing with peers and instructors (including when entering/exiting classrooms), refraining from moving furniture, avoiding shared use of personal items, maintaining robust hygiene (e.g., handwashing, disposal of tissues) prior to, during and after class, and following all safety directions from the instructor.

Students who are not engaging in these behaviors (e.g., wearing a mask) will be offered the opportunity to comply. If non-compliance continues, possible results include instructors asking the student to leave class and instructors dismissing the whole class. Students who do not comply with the required health behaviors are violating the University Code of Conduct and will be reported to the Dean of Students Office with sanctions ranging from educational requirements to dismissal from the university.

Any student who has substantial reason to believe that another person in a campus room (e.g., classroom) is threatening the safety of others by not complying (e.g., not properly wearing a mask) may leave the room without consequence. The student is encouraged to report the behavior to and discuss the next steps with their instructor. Students also have the option of reporting the behavior to the Office of the Student Rights and Responsibilities. See also Purdue University Bill of Student Rights.

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 frequently the announcement section on Brightspace.