Course Syllabus for MA 16200, Fall 2020 (Hy-flex)
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:
Dr. Philip Mummert, MATH 846, 1 (765) 494-1914, pmummert@purdue.edu
Email is the preferred method of contact, but I usually don't check it evenings or weekends.

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.

Hy-flex Configuration: This course has been configured in accordance with the recommendations of the Protect Purdue Plan. The lecture component of the course is delivered solely through online videos posted in Brightspace - `http://purdue.brightspace.com`

Residential students will be able to attend at least one in-person recitation per week at their assigned time and location. Residential students will reserve a classroom seat (if desired) for Tuesday or Thursday recitation by selecting a group in Brightspace. In addition, all students (residential and in the fully-online cohort) will be able to meet the requirements of each recitation remotely as needed. There will also be multiple proctoring options for the midterm exams.

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 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.

Office Hours/Help: *Piazza* is an online platform for class discussion. *Piazza* will get you help fast and efficiently from TAs and classmates. Rather than emailing questions to your lecturer or your TA, students are encouraged to post these questions on *Piazza*. Find your class signup link at `www.piazza.com/purdue/fall2020/ma16200`
The lecturer will offer in-person/virtual office hours according to a schedule to be announced.

Homework: There are 35 online assignments using *MyLab Math*. Due dates and times are listed in Brightspace, in the *MyLab Math* system, and on the course calendar. Generally, homework is due Tuesday at $11{:}59^{\text{pm}}$ and Thursday at $11{:}59^{\text{pm}}$.

Quizzes: There will typically be a quiz in every recitation (twice per week). Students in the fully-online cohort (distance sections 359 and 360) will have a 24-hour window to complete their quiz in Gradescope. For students attending the recitation in-person: the quiz will be collaborative and students will receive full-credit for exhibiting total participation; total participation includes arriving on time, staying until dismissed, contributing to class discussion, actively collaborating with peers, and staying on task. For residential students completing the recitation remotely: the quiz will be made available online in Gradescope during the recitation hour and must be completed within the scheduled classtime; uploaded quizzes will be graded for accuracy. Students who attend recitation in-person do not need to upload their solutions. Late submissions (within 48 hours) will be awarded only half-credit, except for 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 see the lecturer.

Calculators: Calculators are not allowed on midterm exams. It is important that students learn to do simple manipulations by hand.

Midterm Examinations: Three one-hour, proctored, midterm exams completed on a computer browser in a web testing platform to be determined.

EXAM 1 – Friday September 18
EXAM 2 – Friday October 16
EXAM 3 – Friday November 13

For residential students, we anticipate offering the following exam slots: you will select a time in a campus computer lab, MTHW 116 - 10:30, 1:30, 3:00, 4:30, 6:00, 7:30,
or, a time in a campus classroom where you will bring your own laptop,
ARMS B061 - 9:30, 11:00, 12:30, 2:00, 3:30, 5:00, 6:30, 8:00, or, ARMS 1010 - 11:30, 1:00.

For the fully-online cohort and residential students who are unable to test in-person, the midterm exams must be taken within a 24-hour window using the online virtual proctoring service Examity. This virtual proctoring service may necessitate a cost to be paid by the student. Students using a virtual proctor you will also be expected to have a small whiteboard and dry-erase marker for working out solutions during the exam, rather than on paper. 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.

More details about exam procedures will be announced via email.

Final Examination: The final exam will be a two-hour, off-campus, fully-online, non-proctored, open-book comprehensive exam.

Course Web Page: `http://www.math.purdue.edu/MA162`

Important Dates:
Last day to drop the course without it being recorded: Friday, **September 4**
Last day to drop the course and receive a W: Tuesday, **October 27** ($5{:}00^{\text{pm}}$)

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 to be computed as follows:

Homework	16 %
Quizzes	16 %
Three midterms @ 16 % each	48 %
Comprehensive Final Exam	20 %
	100 %

Course letter grades will 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(63), D-(60)

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

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 taking place virtually using WebEx, and students can access the SI 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 session links, as well as their 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

`www.purdue.edu/odos/academic-integrity`

Communicating or sharing information with other students about the contents of an exam (midterms and final) 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.

The final exam and any quizzes completed online 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, post screenshots, message others, or engage in any communicative activity related to MA 162, as detailed in the paragraph above.

The midterm exams will be proctored. Books, notes, calculators, phones, etc. are not allowed on the midterm exams, and all these items should be out of the student's view while testing.

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 14^{th} 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`