

Syllabus · MA 16200

Spring 2023

Lectures (MWF)

Lectures will be face-to-face on Monday, Wednesday, and Friday. You are expected to attend every lecture. Lectures are given by the lecturer, Dr. Hood. Lectures will be recorded via Boilercast and posted on the Brightspace page.

LEC	Day	Time	Location
011	MWF	3:30pm – 4:20pm	BHEE 129
033	MWF	2:30pm – 3:20pm	BHEE 129

Recitations (TTh)

Recitations will be face-to-face on Tuesday and Thursday. You are expected to attend every recitation session. Recitations are run by the Teaching Assistants (TAs).

Communication

Due to the large number of students in this class, for most questions (for example, questions about deadlines, grading disputes, or technical issues), it is recommended that you email your TA first. If the TA cannot answer your question, they will forward it to the lecturer.

Dr. Hood will answer emails between 9am – 5pm on weekdays and will do her best to respond within 2 business days.

Office Hours

Dr. Hood's Office Hours are listed below:

Day	Time	Location
Monday	12:30pm – 1:30pm	MATH 844
Wednesday	12:30pm – 1:30pm	MATH 844
Friday	1:00pm – 2:00pm	MATH 844

TAs will hold face-to-face office hours in the **Math Resource Room (MRR)**. You can view the MRR hours here: <https://www.math.purdue.edu/academic/courses/helproom>

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 or on Brightspace. 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.

Brightspace Page for MA 16200

Check the course Brightspace page (<https://purdue.brightspace.com/>) often for important information and announcements.

- All due dates for the semester are posted in Brightspace.
- The link to the online Homework and eText in MyLab Math will be posted in Brightspace.
- Your grades will be posted in the Brightspace Gradebook.
- You can find your REC section number, TA's name, and TA's email in the Brightspace Gradebook.
- Any changes to the syllabus or important announcements will be posted to the Brightspace page under "Announcements".
- You can access instructions for using Brightspace at the following page under "Learner Resources": <https://www.purdue.edu/brightspace/Documentation.php>

Course Page for MA 16200

You can check this page for information about your lecture or recitation section. It will have your TA's name and contact information. <https://math.purdue.edu/MA162>

Course Calendar

The course calendar will be posted in the Brightspace page. The calendar is also posted here: https://www.math.purdue.edu/~kthood/docs/MA162_Spring2023/calendar_ma162_sp23.pdf

Any changes or adjustments to the schedule will be announced in the Brightspace page.

Textbook and Homework Access

Homework will be completed online in the Pearson MyLab Math platform.

- You will need an access code for Pearson MyLab Math.
- You should access Pearson MyLab Math through the course page in Brightspace.
 - **To access the link, you must first complete the "Academic Integrity at Purdue Acknowledgement". Once that is completed, the link to MyLab Math will appear.**

- For reference, the textbook is “Calculus, Early Transcendentals”, (Third Edition) by Briggs, Cochran, Gillett, Schulz.
- You do not need a physical textbook. A digital version of the textbook (eText) is included in Pearson MyLab Math.
- Video: [How to register for MyLab and Mastering with Brightspace by D2L](#)

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.

Calculators

Calculators are not allowed on exams or quizzes. You may use calculators on homework assignments.

Course Outcomes

At the end of the course, you will be able to:

1. Apply techniques of integration (integration by parts, trigonometric substitution, and partial fractions).
2. Compute areas of planar regions, volumes of solids of revolution, and areas of surfaces of revolution, work, moments, and centers of mass of homogeneous lamina.
3. Apply tests of absolute convergence of series to find the interval of convergence of some power series.
4. Find the Taylor and Maclaurin series of some exponential, rational, and trigonometric functions.
5. Use polar coordinates to sketch the graphs of some curves.
6. Understand the definition of a Riemann sum and apply elementary approximation methods of integration.

Homework

There are 35 online homework assignments using *MyLab Math*. You can access *MyLab Math* through the Brightspace page.

- The Homework schedule is on the Brightspace page under the description of each week.
- Generally, homework from the Friday and Monday lectures are due Tuesday at 11:59pm Eastern time and homework from Wednesday lecture is due Thursday at 11:59pm Eastern time.
- The three lowest homework scores will be dropped.
- You are allowed to use calculators, notes, books, and to consult peers, TAs, and tutors to complete the homework. Your homework submission should reflect your own understanding.

Limited Attempts

There are limited attempts on the homework questions.

- Open Answer Questions: you have 3 tries to answer the question correctly

- Multiple Choice Questions: the number of tries = number of choices - 2

After a student has reached the maximum number of tries on a question, they will be presented with another **attempt**. This will be a similar question but with different coefficients and a different solution. Students will have **5 attempts** at each question with **(up to) 3 tries** for each attempt. This means that students have **(up to) 15 opportunities** to submit the correct answer to a question.

Notes:

1. You will use one of your five attempts when you access “Help Me Solve This”.
2. The highest grade of all attempts is recorded in the Gradebook. There is no penalty for submitting an incorrect answer.

Homework Score Appeal

If you believe there was a mistake in the grading of a homework question, please contact your recitation TA by email.

Technical Problems

If a student has technical problems with MyLab Math, they should contact [Pearson Technical Support](#). Extensions on HW will not be given unless a student has documentation in the form of a letter from Pearson Technical Support and a case number.

It is the student’s responsibility to maintain their personal computer in working order. In the case of a malfunction, students should complete their homework in the [computer labs](#) on campus.

If you lose your phone, you can [request a Hardware Token](#) (free of charge) to submit BoilerKey Two-Factor Authentication. More information at [BoilerKey FAQ](#).

Quizzes

There will be a quiz during face-to-face recitation every Tuesday and Thursday (except during the last week of the semester). Quizzes typically cover the lecture material from the previous week.

- The Quiz schedule is posted in Brightspace under the description for each week.
- You are not permitted to use calculators, books, notes, electronic devices, websites, or to consult a peer or any other person on the quizzes.
- There are 24 quizzes in total (numbered Quiz 0 – Quiz 23), and the two lowest quizzes will be dropped.
- To reduce discrepancies in grading quizzes between the different sections, the quizzes will be multiple choice. Quizzes will be graded either correct or incorrect, and no partial credit will be given.
- The questions on the quizzes will be similar to those on the Past Exam Archive and the Homework.

HotSeat Polls

Students may earn extra credit by participating in a designated HotSeat Poll to be offered in lecture on Fridays. Students can earn up to 1% of the Total Grade in extra credit. There will be roughly 12 opportunities to earn extra credit in the HotSeat Polls.

To participate in the HotSeat Poll, students must bring one of the following devices to lecture:

- A phone with SMS texting
- A mobile device with the iOS HotSeat app
- A device that can access the HotSeat website: <https://www.openhotseat.org/>

Notes:

1. Polls will be multiple choice and will each be worth up to 0.125% of the Total Grade. Students will earn 2 points for answering the poll correctly (for 0.125%) or 1 point for participation (for 0.0625%).
2. There may be multiple HotSeat Polls in every lecture. The “Extra Credit” HotSeat Polls will be clearly labeled and offered on Fridays.
3. If a student forgets to bring a device to class, then they will not be able to participate in the HotSeat Poll. There will be no extensions or make-ups of the Hotseat Polls since they are only offered for extra credit.
4. Results from the HotSeat Polls will be recorded in the Brightspace Gradebook so that students can observe their progress. However, the extra credit will not be applied until the end of the semester (this is due to limitations of the Brightspace Gradebook). When the extra credit is calculated and applied, it will be announced in the Brightspace Announcements.

Exams

There will be three midterm exams and a final exam.

- All exams are course-wide, multiple-choice, machine-graded exams.
- There is no partial credit on the exams. Only what is marked on the scantron will be graded.
- The three midterms are all evening exams. Dates and times are listed below:

Exam	Date	Time	Location
Exam 1	Tue Feb 7	8:00-9:00pm	ELLT
Exam 2	Tue Mar 7	8:00-9:00pm	ELLT
Exam 3	Tue Apr 11	8:00-9:00pm	ELLT

- The final exam will be comprehensive, and it will cover the material from the entire course. The final exam information will be given later in the semester.
- You are not permitted to use calculators, books, notes, electronic devices, websites, or to consult a peer or any other person on the exams.

- Exam scores are final and there are no exam re-takes. Exam scores will not be curved.

Grades

Course grades are determined from your overall total score using a percentage scheme according to the formula in the table below:

Graded Item	Percentage
HotSeat Polls	(Up to 1% extra credit)
Homework	15%
Quizzes	15%
Three midterms @ 14% each	42%
Comprehensive Final Exam	28%

- You can check your running Total Score online in the Brightspace Gradebook. The Total Score percentage grades will not be rounded.
- Final letter grades will be determined using the following grading scale:

Grade	Percentage
A+	≥ 97%
A	93% - 96.9%
A-	90% - 92.9%
B+	87% - 89.9%
B	83% - 86.9%
B-	80% - 82.9%
C+	77% - 79.9%
C	73% - 76.9%
C-	70% - 72.9%
D+	67% - 69.9%
D	60% - 66.9%
F	< 60%

Will there be a curve?

- Homework, Quizzes, and Exams will not be curved.
- At the end of the semester, the total class score will be calculated according to the formula above and a letter grade assigned
 - For each of these grades, **it's possible that at the end of the semester a somewhat lower percentage will be enough to get that grade.**
 - (In other words, the lowest percentage to get, for example, an B *could be lower* but *will not be higher* than 83%)
 - The decision to curve or not will be made after all the assignments (including the Final Exam) have been graded and recorded in the Gradebook.

Attendance Policy

This course follows Purdue's academic regulations regarding attendance, which states that students are expected to be present for every meeting of the classes in which they are enrolled. Attendance will not be recorded, but you are responsible for all information, announcements, and course material that is presented in lecture and recitations.

Missed Exam Policy

If there are any special circumstances that may affect your ability to successfully complete an exam (illness, family emergency, conflict with another class at Purdue, etc.), you must discuss the situation with Dr. Hood before taking the exam (if you are physically able to).

- In rare cases, students may be permitted to take a make-up exam.
- This exam will be a different version from the in-person exam taken on the original date.
- Make-up Exam dates and times are limited.
- Make-up exams should be requested within 48 hours of the original exam date. When possible, advance notice is preferred.

Late penalties on Exams	
Reason for Missing an Exam:	Late Penalty:
Approved Absence with Supporting Documentation*	No Late Penalty
Forgot the time or date of the exam, arrived late to the exam**	20% Late Penalty
If a student is sick (for example, with a cold), they should email Dr. Hood to negotiate an appropriate course of action.	

***Supporting Documentation of Approved Absences** – A table of what supporting documentation to provide for each Approved Absence is listed on pages 9-11.

****Unapproved Absences** – If you miss an exam with an **Unapproved Absence** such as remembering the time or date wrong, you will be given an opportunity to take a make-up exam with a 20% late penalty.

- That means, for an exam worth 100 points with a 20% late penalty, then 20% of your scored points will be subtracted from your score. For example, if you scored 86/100 on the exam, then your score will become $(86 \cdot 0.8) / 100 = 68.8 / 100$ after the penalty is applied.
- If a student arrives at an exam more than 20 minutes late, they will not be permitted to take the exam. The student will have to take the make-up exam later. The 20% late penalty will be applied (unless the student provides documentation for an Approved Absence).
- Requests for a Make-Up Exam due to an Unapproved Absence must be made within 48 hours of the original exam date. Requests after that deadline will be denied.

Missed HotSeat Polls

There are no make-up HotSeat polls. If a student forgets to bring a device to class, then they will not be able to participate in the HotSeat Poll. There will be no extensions or make-ups of the Hotseat Polls since they are only offered for extra credit.

Missed Homework

If you miss a Homework deadline due to a Purdue University [Approved Absence](#), then you may contact your TA to request an extension. You must contact your TA about their extenuating circumstance **by 5pm the day after the due date** and provide necessary **supporting documentation** to receive an extension. A table of what documentation to provide is listed on pages 9-11.

An extension of the deadline will be given according to the chart below:

Length of Approved Absence	Length of Extension on HW
1 day	HW due date extended by 2 days
2 days	HW due date extended by 3 days
3 days	HW due date extended by 4 days
4 days	HW due date extended by 5 days
5 days	HW due date extended by 6 days
6+ days	If a student is absent for more than 6 days, they should email the instructor (and CC the TA) to discuss a plan for the missed work.

Missed Quizzes

If you miss a Quiz deadline due to a Purdue University [Approved Absence](#), then you may contact your TA to request an exemption. This means that the missed quiz will not count toward your total grade. You must contact your TA about their extenuating circumstance **by 5pm the day after the due date** and provide necessary **supporting documentation** to receive an exemption. A table of what documentation to provide is listed on pages 9-11.

There are no make-up quizzes. Instead, the lowest 2 quizzes are dropped to accommodate any unforeseen absences for which documentation is not easily available.

Missed Assignment Policies

If you miss a HW or Quiz deadline due to a Purdue University [Approved Absence](#), then you may request an accommodation.

First Contact with TA

- You should make your first contact with your TA regarding your situation by **5pm the day following the due date** (unless you are physically unable to).
- The first contact with the TA can be very brief if you are not able to explain the situation in great detail. Supporting documents can be provided later when they are available. The main purpose of the first contact is to make the TA aware of the situation.
 - For example, HW 1 is due at 11:59pm on Thursday 8/25. If a student does not contact their TA until after 5pm on Friday 8/26, the student will not be granted an extension even if the student had an extenuating circumstance for missing the assignment and had a supporting document.

Confirm Sent Email

To be sure that your email is sent out to your TA, you can double check your sent box after you send the email. It will not be a valid reason for not sending the email on time because you thought the email was sent out, but actually it was not.

Supporting Documentation

- If you have an extenuating circumstance for missing a deadline, we will do our best to make the accommodations needed based on the situation. You are expected to provide supporting documentation for missing the deadline.
- To account for situations where a supporting document may not be easily available, **we drop the three lowest homework and two lowest quiz scores.**
- Please read the table below for the type of documentation needed for each absence.

Type of Absence	Description of Absence	Supporting Documentation Needed
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Grief Absences	We know that a time of loss can be difficult for a student. Students are eligible for a specific number of days of excused absence following the death of a loved one.	Submit a Grief Absence Request Form .
Jury Duty Absences	Students summoned to serve as potential jurors or who have been empaneled as jurors in a criminal or civil trial may request an excused absence.	Submit a Jury Duty Absence Request Form .
Military Absences	Purdue recognizes that those actively serving in the reserves or National Guard of the United States are required by their military contract to attend mandatory training, with failure to participate punishable under law.	Submit a Military Absence Request Form .
Parenting Leave	Students who are pregnant, have recently given birth, or need a leave of absence to care for a newborn, adopted, legal guardian, or foster care, may petition for a leave of absence.	Submit a petition for a leave of absence through the Office of Institutional Equity (OIE).
Medical Excused Absences (MEAPS)	Students may occasionally miss class and other academic obligations due to hospitalization, emergency department, or urgent care visits , whether physical or mental health related. This policy intends to afford arrangements for students experiencing serious and short-term medical situations that cause them to miss coursework or exams.	Submit a Medical Excused Absence Request Form .
Medical Absences due to long-term conditions	For doctor's visits, medical procedures, or flare-ups due to an ongoing long-term health condition, you should request accommodations under the Americans with Disabilities Act (ADA).	Contact the DRC (Disability Resource Center)
Covid-19 Quarantine	If you test positive for Covid-19 and are ordered to quarantine. New Spring 2023: ODOS will no longer provide absence letters for covid quarantine.	Evidence of positive covid test and/or email with TA to negotiate appropriate documentation.
Acute Illnesses	Absences due to acute illnesses (like the flu or a cold) are not covered by the MEAPS policy. (Please minimize the medical information you share. A doctor's note saying you will be missing certain dates is sufficient. You are discouraged from sharing your diagnosis, test results, and/or descriptions of symptoms.)	The first day of illness may be excused without documentation. For longer absences due to illness, a doctor's note is needed. (If a student has multiple illnesses during the semester, an appropriate course of action will be

		negotiated with the TA and instructor.)
Travel for Purdue University Activities	Travel for Purdue sports teams or other academic related events may be approved.	A letter signed by the sponsor of your Purdue University activity.
Personal Emergencies or Unforeseen Circumstances	<p>Personal emergencies or unforeseen circumstances may be approved with documentation. These include:</p> <ul style="list-style-type: none"> - House fire - Car accident - Visa problems - Cancelled flights - Family emergencies 	<p>The type of documentation may be negotiated with the TA.</p> <p>For help with contacting an instructor about an absence, see these Coaching Tips.</p>
Religious Observances	Religious holidays may be approved with documentation and advanced notice	A letter from clergy with dates of absence.
Evening Exam conflict with other class at Purdue	<p>According to the Office of the Dean of Students, regularly scheduled classes take precedence over evening exams. A student with a conflict must provide documentation, then they will be permitted to take the alternate exam with no late penalty.</p> <p>The same procedure applies to students with multiple evening exams at the same time.</p>	Fill out the Exam Conflict Form and return to Dr. Hood.
Technical Problems	<p>There are computer labs on campus students can use if their personal computer is malfunctioning.</p> <p>Check the Pearson Student Support page with answers to common questions. If all else fails, contact Pearson Technical Support.</p> <p>If you lose your phone, you can request a Hardware Token (free of charge) to submit BoilerKey Two-Factor Authentication. More information at BoilerKey FAQ.</p>	A letter from Pearson Technical Support and a case number.
Other Absences	<p>Absences or missed assignments due to the following events will not be approved:</p> <ul style="list-style-type: none"> - Overslept/forgot the due date. - Had an exam or due date in another class. - Didn't finish before the deadline. - Vacation or personal travel. 	

Section Changes and Drops

During the first week of classes, you can make section changes or drop the course yourself within myPurdue, and no signatures are required. From the second week until the deadline, you need to submit an electronic section change or withdrawal request on myPurdue.

Important Dates

Last day to drop a course without it on your record:

Monday, January 23rd

Last day to drop a course and receive a W:

Friday, March 10th

Please see the [Purdue University Academic Calendar](#) for other important dates.

Academic Guidance in the Event a Student is Quarantined/Isolated

In cases related to COVID-19, please follow the [Protect Purdue Updates for the Spring 2023 Semester](#). If you find yourself too sick to progress in the course, notify your TA via email. We will make arrangements based on your particular situation.

Protect Purdue Updates for the Spring 2023 Semester:

- PUSH will only provide COVID-19 testing to students who are exhibiting symptoms. Otherwise, at-home tests are encouraged. Students can schedule an appointment at PUSH by calling 765-494-1700 or through the [online scheduling portal](#).
- The Office of the Dean of Students will no longer provide absence letters if a student tests positive for COVID-19. Students who test positive should still notify their instructors and work with them individually to complete missing work.
- Academic case managers will no longer be assigned to students who test positive for COVID-19. For unavoidable class absences, Purdue's [Academic Regulations](#) state "the student bears the responsibility of informing the instructor in a timely fashion" and "the instructor bears the responsibility of trying to accommodate the student either by excusing the student or allowing the student to make up work, when possible." Students who experience any type of extended health issue would benefit from engagement with the Academic Success Center.

Academic Integrity

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 is submitted the greater the opportunity for the university to investigate the concern. More details are available on our course Brightspace under University Policies.

Nondiscrimination Statement

A hyperlink to Purdue's full Nondiscrimination Policy Statement is included in our course Brightspace under University Policies and Statements.

Accommodations 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 accommodations, you should contact your TA to discuss your accommodations as soon as possible. You should send your Course Accessibility Letter to your recitation instructor and also to the lecturer: here are instructions for how to do this: <https://www.purdue.edu/drc/students/course-accessibility-letter.php>

In this mathematics course accommodations are managed between the instructor, the student, and the DRC Testing Center. Accommodated exams need to be scheduled a minimum of 5 business days in advance online at: <https://www.purdue.edu/drc/testing/requesting-an-exam.php>

Mental Health/Wellness Statement

- **If you find yourself beginning to feel some stress, anxiety and/or feeling slightly overwhelmed, try [WellTrack](#).** 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 contact or see the [Office of the Dean of Students](#). Call 765-494-1747. Hours of operation are M-F, 8 am- 5 pm.
- **If you find yourself struggling to find a healthy balance between academics, social life, stress, etc.,** sign up for free one-on-one virtual or in-person sessions with a [Purdue Wellness Coach at RecWell](#). Student coaches can help you navigate through barriers and challenges toward your goals throughout the semester. Sign up is free and can be done on BoilerConnect.
- **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 during and after hours, on weekends and holidays, or by going to the CAPS office on the second floor of the Purdue University Student Health Center (PUSH) during business hours. The [CAPS website](#) also offers resources specific to situations such as COVID-19.

Basic Needs Security

Any student who faces challenges securing their food or housing and believes this may affect their performance in the course is urged to contact the Dean of Students for support. There is no appointment needed and Student Support Services is available to serve students 8 a.m.-5 p.m. Monday through Friday.

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.

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.

Emergency Preparation

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. Relevant changes to this course will be posted onto the course Brightspace page. You are expected to read your @purdue.edu email on a frequent basis.