University of Victoria
Faculty of Science | Department of Mathematics and Statistics
David Turpin Building Room A425 PO Box 1700 STN CSC Victoria BC V8W 2Y2 Canada
T 250-721-7437| F 250-721-8962 | msrecept@uvic.ca | uvic.ca/science/math-statistics/

Course Outline
Math 101: Calculus II, Spring 2022

Territory Acknowledgement

We acknowledge and respect the lək̓ʷəŋən peoples on whose traditional territory the university stands and the Songhees, Esquimalt and W̱SÁNEĆ peoples whose historical relationships with the land continue to this day.

Welcome to Math 101: Calculus II

The objective of this course is to acquire more tools from calculus that will be useful in your future careers in math, engineering, economics, physics, or any other science. We want to train you to become competent and confident experts in the art of problem solving. It may seem like there are a lot of formulae to remember, but it is easy to do if you **understand** how they work, and have sufficient practice in applying them. Thank you, and we wish you a productive and rewarding term.

COVID-19

Although this course is scheduled to be in-person but following the university's recent announcement, the first two weeks of the course will be conducted completely online. In these first two weeks, lecture material will be taught live synchronously on Zoom [Zoom link is added in our BrightSpace page under Content → Get Help → Instructor Contact]. Also, the first tutorial (takes place in the second week of classes) will be conducted synchronously live on Zoom as well.

Please make sure to have the necessary equipment to attend classes, and to submit your due work. This is the only change we are making to the course in the first two weeks, all assessment dates and their formats given in this outline will remain the same.

Starting January 25, lectures and tutorials will resume in-person, according to already scheduled time, dates and location for lectures and Tests. However, given the constantly changing situation, if we have to go online again after January 24, we will then share more information on how that might affect the proceedings of the course.

This course is being taught during the very challenging times of the COVID-19 pandemic. You may have complex challenges that affect your learning in this course. If we can help you in any way, academic or otherwise, please don't hesitate to reach out.

Team of Instructors

Muhammad Awais - Section A01 - CRN: 21979- mawais@uvic.ca

Preferred Name: Muhammad **Pronouns:** He/Him/His
Research Interests: Applied Math, Ordinary/Partial Differential Equations

Torsten Schoeneberg - Section A02 - CRN: 21980- torstenschoeneberg@uvic.ca

Preferred Name: Torsten **Pronouns:** He/Him/His
Research Interests: Algebra, Number Theory

Tom Thompson - Sections A03 & A04 - CRN: 21981 & 21982- wthompso@uvic.ca

Preferred Name: Tom **Pronouns:** He/Him/His
Research Interests: Kinetic Equations, Optimization, Mathematical Modeling

Majid Mazrooei - Section A05 - CRN: 21983- majidmazrooei@uvic.ca

Preferred Name: Majid **Pronouns:** He/Him/His
Research Interests: Algebraic Coding Theory, Non-commutative Ring Theory, Machine Learning

General Course Information

Number of Units 1.5

Pre-requisites MATH 100 or MATH 109, or permission of the department.

Grade in Calculus I If your grade in Math 100 or 109 is less than $C+$, statistics show that with 95% probability your grade in Math 101 will be F. If you intend to succeed in Math 101 course this term, you need to meaningfully engage with the mastering of the course material, while fixing any existing weaknesses you carry from Pre-Calculus and Calculus I.

Note: *All times mentioned in this outline are according to Victoria, BC.*

Learning Objectives

By the end of the semester, you will have learned many integration techniques, but being able **to perform each individual technique** is not enough to successfully complete this course. It is also crucial to learn how to determine **when to use each technique**. You will learn several applications of the integral by finding volume of solids, arc-length of curves, and solving exponential growth and decay problems. Can you find all values of t that satisfy the equation $t^3 = -8$? We will learn how to find all three **distinct** solutions to this equation using complex numbers. In this course, we will learn about **parametric equations**. This is something that helps model a large variety of scenarios

we encounter in many of the sciences. We will learn what these equations look like and how to do some familiar calculus with these types of equations. Our final unit of the course will be looking at **infinite sequences** and **series** (which are infinite lists of numbers and an infinite sum of numbers). We will learn what it means for these things to converge and diverge, and we will learn a variety of tests to check this. Again, much like integration techniques, we will learn these tests separately but the main goal is to learn when it is appropriate to apply each test.

Course Material and Online Resources

Textbook *Thomas' Calculus Early Transcendentals, 14th Edition*, Weir and Hass, published by Pearson/Prentice Hall. If you do not have a MyLab Math code from the previous term, you may purchase a print copy of the textbook packaged together with access to MyLab Math (see below) from the UVic bookstore. If you do not want a print copy, you are not required to purchase one – MyLab Math comes with an e-book version of the textbook.

MyLab Math (MLM) This is a required tool, which you will use to study the material and complete weekly assignments and quizzes. If you purchased the text bundled with access to MLM then you do not need to purchase an MLM access code. If you did not purchase a new print copy, then you must purchase an access code to MLM separately. MLM access codes are available at the UVic bookstore. MLM comes with an **e-book version of the text** and an e-book version of the **Student's Solution Manual**. You may access MLM for a free 14-day trial if you are not yet ready to purchase it; as long as you eventually purchase the access, your work and scores will be preserved. **If you have purchased the MML access code for Math 100/109 less than 15 months ago, it still works and can be used in Math 101, and Math 200**. If you are repeating Math 101 course and if you are experiencing difficulty adding new MyLab Math course, use 14-day trial option to start working on your assignments, and email your lecture instructor immediately for the solution to the problem. *Note: Your first and last name on MyLab Math must be the same as your offical name on BrightSpace.* If not, we will not take any responsibility of any potential grade mix-up or miss.

Course webpage The course webpage is on `http://brightspace.uvic.ca`: MATH 101 [A01-A05] Spring 2022. We will make frequent use of BrightSpace to post course announcements, answer student questions, and record student grades. It is your responsibility to read announcements posted on BrightSpace. If you do not have regular access to your own device that can access BrightSpace, you can use one of the many computers available on campus.

Calculator If a calculator is allowed in tests and examinations in a course offered by the Department, then the only acceptable calculator models start with Sharp EL-510R. It may be purchased at the UVic Bookstore for about $15. A calculator **is** permitted in this course.

Course Structure

Face-to-face Lectures Classes are primarily in-person and you are expected to attend except in

cases when you fall ill or have other conflicts such as religious observance or family affliction. Do not email your questions to the instructor or Teaching Assistants. Questions that students want to discuss should be discussed in class, in the office hours [*information about the office hours and instructor's offices will be posted on BrightSpace*].

Face-to-face Tutorials Students are expected to attend in-person tutorials in their scheduled section. Before coming to the tutorial, please attempt to work on the tutorial worksheet posted on Brightspace. The worksheet will be posted at least 24-hours in advance of the upcoming tutorial. In tutorials, you will work with the tutorial leader on the questions similar to the assigned for marking worksheet questions. None of the tutorials will be recorded. If you miss a tutorial, you can work on the tutorial questions with the Math and Stats Assistance Centre.

Assessments:

1. Almost every week on Monday in the tutorial you will work on the questions designed to help you solve problems in your tutorial worksheet. You will have until the end of the day on Tuesday of the same week to submit a followup quiz (one or two questions), based on the questions of the tutorial worksheet, on BrightSpace.
2. Almost every Monday the weekly MyLab Math (MLM) assignment will be due (9:00 PM), as well as the end-of-the-week MLM 40-minutes-long quiz (4-6 questions, due 10:00 PM). **You must achieve 50% in each assignment to unlock the quiz.** Discussing homework exercises with classmates is a useful and mathematically healthy practice. However, you are expected to do the MLM quizzes completely on your own.
3. Two face-to-face 90-minutes long midterms will take place on the weekends on **Saturday February 12 and Saturday March 26, both at 9:00 - 10:30 AM**.

Evaluation and Grading

This course is a multi-section course. In order to ensure fairness to students, all section of the course will be using the same method of evaluation described below. In addition, consistent testing standards across sections will be maintained. All sections will write the same midterm and the final examinations and all sections will have the same assignments, similar quizzes.

Your final percentage grade will be computed according to the following scheme.

Components	Dates	Weights
Weekly Assignments (MLM)	some weeks, due Mondays	10%
Weekly Quizzes (30-min, MLM)	some weeks, due Mondays	15%
Weekly Tutorial Followup Quizzes	some weeks, due Tuesdays	10%
Midterm-1 (90-min, face-to-face)	Saturday, February 12	15%
Midterm-2 (90-min, face-to-face)	Saturday, March 26	15%
Final Exam (120-min, face-to-face)	TBA	35%

If you fail a Midterm, our suggestion is to drop the course or drastically change your study approach, since usually students get a better score on the first Midterm when compared to their score on the Final exam. The last day for withdrawing from second term courses without penalty of failure is Monday, February 28th

Grading: Percentage scores will be converted to letter grades according to the university-wide standard table.

Grading and Missed Course Work Policy

Missing your course work: Regardless of the reason, no tutorial followup quizzes, weekly homework assignment, MLM quizzes, or Tests due dates will be extended or make-ups will be offered. If you are unable to complete any above listed course work due to confirmed extensive technical difficulties on MLM site or Brightspace, and you have provided your instructor with the evidence of the problem with the system, then that item of the course work will be dropped. If you are unable to complete an assignment, tutorial followup quiz or a weekly MyLab Math quiz for some reason other than illness, accident, family affliction or religious observance, that course work will be assigned grade zero. If you will apply for the "deferred", the deferred status applies only to final exams and not to any other portion of the coursework.

The two lowest scores of the weekly MLM assignments, tutorial followup quizzes and the weekly MLM quizzes will be excluded for all students from the total course grade calculation which is to accommodate our expectation of late registrations, occasional illnesses, family emergencies, tech failures, etc. If you are facing extended challenges and miss more than two weekly MLM assignments, tutorial followup quizzes or the weekly MLM quizzes with a valid reason (listed above), let your instructor know and some additional missed components might also be dropped.

If you have a question or concern about an assigned mark, you need to bring it to your instructor's attention within seven calendar days of the date when it is returned to you.

Missing Midterm or Final exam: If you are unable to write only one of the two Midterms (due to due to illness, accident, family affliction or religious observance), its weight will be moved to the Final examination.

If you are unable to write both Midterms due to illness, accident or family affliction, you must meet with your instructor to discuss your options (e.g., late course drop).

If you are unable to write Final examinations due to illness, accident or family affliction, please refer to the following webpages for detailed instructions how to proceed: `http://web.uvic.ca/calendar2020-09/undergrad/info/regulations/concessions.html` and `http://web.uvic.ca/calendar2020-09/undergrad/info/regulations/exams.html`.

The weight of the Final Examination will not exceed 60%.

Students are **strongly advised not to make plans** that would make them not available during the midterm and the final examination as special arrangements will not be made for examinations that conflict with such plans.

In-case, you forget to write an exam (by oversleeping or having a wrong date in your calendar, etc), the grade of the missed exam will be adjusted by taking the average of the exams that you write plus a penalty of 30% of the resulting average.

Deferred Final Examinations Off-schedule final examinations (i.e., deferred examinations) are given only in accordance with the university policy.

Grading Percentage scores will be converted to letter grades according to the university wide standard table `https://www.uvic.ca/calendar/undergrad/index.php#/policies?group=Undergraduate%20Academic%20Regulations`

Supplemental Examinations. The Department of Mathematics and Statistics does not award 'E' grades or offer Supplemental Examinations in any of its courses.

Accessibility Students with diverse learning styles and needs are welcome in this course. In particular, if you have a disability/health consideration that may require accommodations, please feel free to approach me and/or the Centre for Accessible Learning (CAL) as soon as possible. The CAL staff are available by appointment to assess specific needs, provide referrals and arrange appropriate accommodations `http://www.uvic.ca/services/cal/`. The sooner you let us know your needs the quicker we can assist you in achieving your learning goals in this course.

Commitment to Inclusivity and Diversity The University of Victoria is committed to promoting, providing and protecting a positive, supportive, safe learning and working environment for all its members. The Math and Stats website web site has information about our Equity, Diversity, and Inclusion Committee. Please read here `https://www.uvic.ca/science/math-statistics/current-students/home/equity-diversity/index.php`

Help outside of class hours

Math & Stats Assistance Center The **office hours** is a great place to discuss learning strategies and conceptual questions. The **Mathematics & Statistics Assistance Centre (MSAC)** is a space (face-to-face environment and online) where students can work with a free tutors, on their own or in a study groups, and to discuss specific math & stats problems. The Centre is staffed with talented Teaching Assistants who are happy to discuss primarily first and second year MATH and STATS course material with you. Please see `http://www.uvic.ca/science/math-statistics/current-students/undergraduate/msac/` for more information.

Math Club: Students in Undergraduate Mathematics and Statistics (SUMS) was founded in 2014. Please see `http://www.uvic.ca/science/math-statistics/current-students/undergraduate/sums/index.php` for more information.

Association for Women in Math UVic Student Chapter Our goal is to foster a community amongst all UVic students in which women interested in math and stats can grow in confidence and envision their success. Please see `https://onlineacademiccommunity.uvic.ca/awm/` for more information.

First Peoples House: The First Peoples House is a social, cultural and academic centre for Indigeneous students at UVic and serves as a safe and welcoming place that encourages the building of community. More information can be found at `https://www.uvic.ca/services/indigenous/house/index.php`

Tri-Faculties Indigenous Resurgence Coordinator Lydia Toorenburgh, 250-472-5582, BWC A216, tfirc@uvic.ca, is available as a support staff person for tri-faculty Indigenous students - helping to put on events and providing referrals to on- and off-campus resources. Her role also includes implementation of initiatives related to indigenization and decolonization.

Student Wellness Centre: The Student Wellness Centre (SWC) is made up of Counselling, Health and Multifaith. The SWC aims to provide holistic care to support UVic students' wellbeing emotionally, physically and spiritually. The SWC team includes counsellors, doctors, nurses, administrative staff, chaplains and other practitioners. `https://www.uvic.ca/current-students/home/wellness-centre/`

How to Succeed in This Course

Know your due dates: This course has many due dates almost every day of the week. Ensuring that some amount of course work is completed every day will help you stay on time and successfully progress through your online course.

Know the tools available for learning: Brightspace course page with tutorial worksheets, office hours in regularly scheduled lecture times; MyLab Math course page for our textbook with assignments, quizzes, Study plan, Student's solution manual for the textbook, e-textbook; Math and Stats Assistance Centre with free tutors.

Ask a question, lots of questions: This is how we learn. Asking the right question will put you

half way to the correct solution. "How can I in my own words explain the goal of this exercise?' If you clearly understand what a specific exercise is aiming to determine, then you will have an easier way navigating through the development of a solution. "What should I do next?" is a question we often find asking ourself when we are stuck. In Calculus every step of the solution is justifiable. To move in the right direction, ask yourself: "Which definition / property / rule / theorem is needed to solve this question?" Then review the rules / definitions / theorems covered in the section you are studying. Ask many questions. Ask your classmates when working in groups, ask your friends, family members, peers, instructors, tutors. Ask in-person in class, in Math and Stats Assistance Centre. If you are not comfortable asking question in person, email your course instructor, and the instructor will be able to address your question.

Set up your MLM account: One of the great tools available to guide your studies is MyLab Math course. It will be able to immediately confirm if your work is correct, give hints on how to solve hundreds of the textbook questions, show a solution to a similar question that you are experiencing some difficulty with.

Do not give up! The learning happens when we do things wrong, when we make a mistake. Accidental mistakes do happen to everyone, so there is no reason to stress out about accidental infrequent mistakes. However, if you find that you make many small mistakes, you need to admit that this needs your attention and work. Analyzing your error gives you an opportunity to learn, and create mechanism for avoiding repeating the same type of the mistake. Read the feedback provided by the marker on your work, review your progress to date, celebrate your achievements and take notes on remaining pitfalls. Take time to master the material, to internalize hard concepts. Be kind to yourself, give yourself time to figure it out.

Policies and Ethics

Departmental Policies: (For more information see `https://www.uvic.ca/science/math-statistics/current-students/undergraduate/course-policies/index.php`)

Attendance: The university Calendar states 'Students are expected to attend all classes in which they are enrolled.' (see `http://web.uvic.ca/calendar2020-09/undergrad/info/regulations/attendance.html`). Our courses are conducted on that basis. If you miss an announcement (information concerning upcoming exam, corrections to assignment, etc.) because you did not attend class, you must accept the consequences of not having learned of the change.

Guidelines on Religious Observances: Where classes or examinations are scheduled on the holy days of a religion, students may notify their instructors, at least two weeks in advance, of their intention to observe the holy day(s) by absenting themselves from classes or examinations. Instructors will provide reasonable opportunities for such students to make up work or missed examinations.

Academic Integrity: Posting your assignments, quizzes or examinations question anywhere on the internet (other than Math 101 course discussion FORUM) before the due date of the solutions is an integrity violation. What you will take away from this course is your understanding of the material, skills to interpret mathematical results that you can transfer

to your future courses and career. Lack of academic integrity will hold you back. Take the right path. **Academic integrity** is intellectual honesty and responsibility for academic work that you submit individual or group work. It involves commitment to the values of honesty, trust, and responsibility. It is expected that students will respect these ethical values in all activities related to learning, teaching, research, and service. Therefore, plagiarism and other acts against academic integrity are serious academic offences.

The responsibility of the institution

Instructors and academic units have the responsibility to ensure that standards of academic honesty are met. By doing so, the institution recognizes students for their hard work and assures them that other students do not have an unfair advantage through cheating on essays, exams, and projects.

The responsibility of the student

Plagiarism sometimes occurs due to a misunderstanding regarding the rules of academic integrity, but it is the responsibility of the student to know them. If you are unsure about the standards for citations or for referencing your sources, ask your instructor. Depending on the severity of the case, penalties include a warning, a failing grade, a record on the students transcript, or a suspension.

If you are looking at other people work as you are writing out your solutions, or if other person dictates to you what you should be writing, you are in violation of the University Academic integrity policy. All individual course work that you submit must be create by you, without copying and paraphrasing someone else's work.

It is your responsibility to understand the University's policy on academic integrity: `http://web.uvic.ca/calendar2020-09/undergrad/info/regulations/academic-integrity.html`

You can also find UVic's policy on student conduct at: `https://www.uvic.ca/services/advising/advice-support/academic-units/student-code-of-conduct/index.php`

Email: Please respect email boundaries and allow for a reasonable amount of time for responses. Instructors will try to get back to you on appropriate timelines, but they also lives outside of the course! Also, please include your full name, student ID and section number in your emails.

Sexualized Violence Prevention and Response at UVic In EQHR; Sedgewick C119. Phone: 250.721.8021 Email: svpcoordinator@uvic.ca Web: `https://www.uvic.ca/sexualizedviolence/`

Course Experience Survey We value your feedback. Towards the end of the term you will have the opportunity to complete a confidential course experience survey (CES) regarding your learning experience in the course. The survey is vital to providing feedback regarding the course and how it was taught, as well as to help the department improve the overall program for students in the future. When it is time to complete the survey, you will receive an email inviting you to do so.

The Office of the Ombudsperson is an independent and impartial resource to assist with the fair resolution of student issues. A confidential consultation can help you understand your rights and responsibilities. The Ombudsperson can also clarify information, help navigate procedures, assist with problem-solving, facilitate communication, provide feedback on an

appeal, investigate and make recommendations. Phone: 250-721-8357; Email: `ombuddy@uvic.ca`; Web: `https://uvicombudsperson.ca`.

Use of Private Tutors and External Websites Students may use private tutors to help enhance their learning, but should not use tutors to assist with assigned work. Submitting the work of another person in whole or in part as original work is plagiarism, which is a violationof the Policy on Academic Integrity. It does not matter if the person is another student, or someone answering questions on a website. Posting class materials on any websites without permission of the creator is a violation of copyright. Viewing answers to assigned work that has been posted on websites not authorized by the course instructor is a violation of the Policy on Academic Integrity.

Auditing of Submitted Work Students may be asked to meet with their instructor to give a verbal justification of work that has been submitted on worksheets, assignments and tests. Students who are unable to adequately explain their submission may be assigned a grade of 0.

Suggested Problems

Section	Fourteenth Edition
6.1 Volumes Using Cross Sections	1-63 odd
6.2 Volume Using Cylindrical Shells	1-43 odd, 46-50 all
6.3 Arc Length	1-15 odd, 17(a,b only)-23(a,b only) odd, 25-29 all, 37
7.1 The Logarithm Defined as an Integral	1-51 odd; **After** Ch.6: 53, 54, 55, 56
7.2 Exponential Change and Separable Differential Equations	1-49 odd
7.3* Hyperbolic Functions	1-81 odd, 82, 84-86 all
8.1 Using Basic Integration Formulas	1-45 odd, 51, 53; **After** Sect.6.3: 46, 47, 48
8.2 Integration by Parts	1-57 odd, 77-81 odd; **After** Ch.6: 59-64 all; **After** Sect.7.3: 83, 84;
8.3 Trigonometric Integrals	1-67 odd, 72, 76; **After** Ch.6: 69, 71, 74, 75
8.4 Trigonometric Substitutions	1-57 odd, 58, 59(a), 61, 63; **After** Ch.6: 60, 62, 64
8.5 Integration of Rational Functions by Partial Fractions	1-71 odd, 74; **After** Ch.6: 73
8.8 Improper Integrals	1-71 odd, 75, 79; **After** Ch.6: 73, 76(a), 77, 78
Appendix 7 Complex Numbers	see page AP-34, exercises 1-23 odd, 26, 28, 29, 30
10.1 Infinite Sequences	1-109 odd, 114, 117-141 odd
10.2 Infinite Series	1-99 odd, 100
10.3 The Integral Test	1-47 odd, 50, 51-57 odd
10.4 Comparison Tests	1-55 odd, 59-62 all, 67-72 all
10.5 Absolute Convergence; The Ratio and Root Tests	1-67 odd
10.6 Alternating Series and Conditional Convergence	1-81 odd, 88-91 all
10.7 Power Series	1-57 odd, 62, 63
10.8 Taylor and Maclaurin Series	1-41 odd, 42
10.9 Convergence of Taylor Series	1-47 odd, 48
10.10* Applications of Taylor Series	1-53 odd, 66-69 all, 71
11.1* Parameterizations of Plane Curves	1-43 odd, 49
11.2* Calculus with Parametric Curves (No Areas of Surfaces of Rev.)	1-29 odd, 41-44 all
11.3 Polar Coordinates	1-67 odd, 68
11.4 Graphing Polar Coordinate Equations	1-31 odd
11.5 Areas & Length in Polar Coordinates	1-31 odd

Note: Sections marked with the * will be covered in this course if time permits to do so in all lecture sections of the course. All material covered in lectures, tutorials and in the recommended questions is expected to be included in the Midterm and Final Examinations.

All information in the course outline, including lecture schedule and topics are approximate and subject to change. All the announcements about the changes will be made on Brightspace page. Students not reading the announcements posted on Brightspace are responsible for the consequences. *All times mentioned in the outline are according to Victoria Standard Time.*

Copyright Statement All course content and materials are made available by instructors for educational purposes and for the exclusive use of students registered in their class. The material is protected under copyright law, even if not marked with a ©. Any further use or distribution of materials to others requires the written permission of the instructor, except under fair dealing or another exception in the Copyright Act. Violations may result in disciplinary action under the Resolution of Non-Academic Misconduct Allegations policy (AC1300).

Course Schedule

Week of	Weekly topics	Scheduled Event(s)
Jan. 10	Review: Antiderivatives Section 8.1: Basic Integration Formulas Section 7.1: Logarithms Defined as an Integral	No tutorial this week; No MLM Quiz or HW
Jan. 17	Section 8.2: Integration by parts Section 8.3: Trigonometric Integrals Section 8.4: Trigonometric substitutions	Tutorial-1 Worksheet (online); MLM HW+Quiz 1.
Jan. 24	Section 8.4: Trigonometric substitutions Section 8.5: Partial Fractions Section 8.8: Improper Integrals	Tutorial-2 Worksheet; MLM HW+Quiz 2
Jan. 31	Section 6.1: Volume Using Cross-Sections Section 6.2: Volume Using Cylindrical Shells	Tutorial-3 Worksheet; MLM HW+Quiz 3
Feb. 7	Section 6.3: Arc-length Section 7.2: Exp. Change and Separable DEs Section 10.1 Sequences	There is Tutorial-4 but no worksheet due; MLM HW+Quiz 4
	Midterm Exam - 1	**Saturday, February 12, 9:00 AM - 10:30 AM**
Feb. 14	Section 10.2: Infinite Series Section 10.3: Integral Test Section 10.4: Comparison Tests	Tutorial-5 Worksheet; No MLM+Quiz due
Feb. 21	**Reading Break: Feb. 21 - Feb. 25**	No Tutorial this week, No MLM HW+Quiz Due
Feb. 28	Section 10.4: Comparison Tests Section 10.5: Ratio and Root Tests Section 10.6: Alternating Series Test	Tutorial-6 Worksheet; MLM HW+Quiz 5
Mar. 7	Section 10.7: Power Series Section 10.8: Taylor / Maclaurin Series	Tutorial-7 Worksheet; MLM HW+Quiz 6
Mar. 14	Section 10.9: Convergence of Taylor Series Section 10.10*: Appl. of Taylor Series Appendix 7: Complex Numbers (part 1 of 2)	Tutorial-8 Worksheet; MLM HW+Quiz 7
Mar. 21	Appendix 7: Complex Numbers (part 1 of 2) Appendix 7: Complex Numbers (part 2 of 2) Sections 11.1* & 11.2* Parametric Curves	There is Tutorial-9 but no worksheet due; MLM HW+Quiz 8
	Midterm Exam - 2	**Saturday, March 26, 9:00 AM - 10:30 AM**
Mar. 28	Section 11.3: Polar Coordinates Section 11.4: Graphing Polar Coordinates	Tutorial-10 Worksheet; No MLM+Quiz due
Apr. 4	Section 11.4: Graphing Polar Coordinates Section 11.5: Area in Polar Coordinates	Tutorial-11 Worksheet; MLM HW+Quiz 9
	Exam Period: April 7 – April 29	**Final Exam** (date TBA)