

Marshall University MTH 450/550 Syllabus

Course Title/Number	Modern Algebra I MTH 450/550 - Section 101/102 - CRN 3055/3070/3071 - Credits 3
Semester/Year	Fall 2018
Days/Time	MWF 03:00 pm - 03:50 pm
Location	Smith Hall 513

Instructor	Dr. JiYoon Jung
Office	Smith Hall 742D
Phone	(304) 696-3285
E-Mail	jungj@marshall.edu
Office Hours	MWF 01:00 pm - 02:50 pm or by appointment I am always happy to answer questions or talk about the course material any time. To make an appointment, email in advance when possible or stop by my office, Smith Hall 742D.

Tutoring Services	<p>In addition to office hours, there are two free tutoring options for students in Math 450/550.</p> <p>The math tutoring lab will be open this semester in Smith Hall 625 during the following hours: MTWR 10:00 am - 4:00 pm and MTWR 5:00 pm - 6:30 pm and F 10:00 am - 12:00 pm. http://www.marshall.edu/math/tutoring</p> <p>The University College offers appointment-based tutoring in in the Communications Building. Please consult their web page for additional information. http://www.marshall.edu/uc/tutoring-services/</p>
University Policies	<p>By enrolling in this course, you agree to the University Policies listed below. Please read the full text of each policy by going to www.marshall.edu/academic-affairs and clicking on “Marshall University Policies.” Or, you can access the policies directly by going to www.marshall.edu/academic-affairs/policies/.</p> <p>Academic Dishonesty/Excused Absence Policy for Undergraduates/Computing Services Acceptable Use/Inclement Weather/Dead Week/Students with Disabilities/Academic Dismissal/Academic Forgiveness/Academic Probation and Suspension/Academic Rights and Responsibilities of Students/Affirmative Action/Sexual Harassment</p>

Course Description: From Catalog

Structure of the abstract mathematical systems; groups, rings, fields, with illustrations and applications from number theory.

PR: MTH300 and MTH331.

Required Texts, Additional Reading, and Other Materials

- Textbook: A First Course in Abstract Algebra, 7th Ed. by John B. Fraleigh.
- You should bring your calculator, paper, and a pen or pencil to every class meeting.
- You must have internet access at your residence. Check your official MU email account daily.
- Students are expected to read the textbook and reading assignments given each week.
- Students will be required to solve and prove homework problems assigned on MU Online after each lecture session. The problems will be discussed during homework sessions.
- Students (especially graduate students) will be required to present problems throughout the semester.

MU Online: It is important to visit MU Online regularly for up-to-date information about the course. It hosts all the course materials including announcements, handouts, assignments, and reading materials. Although I will make my best effort to announce everything in class, it is your responsibility to keep up to date with assignments on MU Online.

Attendance Policy

Students are expected to attend each class. **Every four unexcused absences will be subject to a full letter downgrade until a student reaches an "F".** There will be no credit for the daily quiz you missed unless you have an excused absence. To obtain an excused absence, please go to the Dean of Students' Office in the MSC. **Students must notify the instructor by phone or e-mail prior to an exam if they cannot take a scheduled exam.** Students must present a serious reason for missing any exam. Makeup exams will be given to students outside of class time at the convenience of the instructor.

Course policies

Cheating or plagiarism is a serious offense and will not be tolerated. It will be thoroughly investigated, and might lead to failure in the course or even to expulsion from the university. **If you are late to class**, if you leave class early, if you are disruptive, if you are sleeping, reading the newspaper, working on other homework, **surfing the internet** or for any other reason are not actively engaged in activities related to math class, **you will not receive credit for participating in class that day.** I expect that you will not only attend class, but that you will participate in class. If you do not respect yourself, other students, or the instructor during class, you may be asked to leave class.

Objectives of Course: The table below shows the following relationships: How each student learning outcome will be practiced and assessed in the course.

Course student learning outcomes	How students will practice each outcome in this course	How student achievement of each outcome will be assessed in this course
Students will be able to write clear, concise, formal proofs of results from mathematical analysis.	Students will complete weekly problem sets and participate in boardwork in class, low-stakes writing assignments, and students will engage in peer review of written and oral explanations of concepts.	Homework, quizzes and exams.
Students will be able to devise techniques to solve particular problems as they arise.	Students will complete weekly homework assignments and participate in boardwork in class.	Homework, quizzes and exams.

Course Schedule/Course Requirements/Due Dates

<p>August 20 – September 7 Part I</p> <p>September 10 – September 28 Part I and Part II</p> <p>October 1 – October 19 Part II and Part III</p> <p>October 22 – November 9 Part III and Part IV</p> <p>November 12 – December 7 Part IV and Exam 1 – 4</p> <p>Exam 1 on Monday (September 10) 03:00 pm – 03:50 pm</p> <p>Exam 2 on Monday (October 1) 03:00 pm – 03:50 pm</p> <p>Exam 3 on Monday (October 22) 03:00 pm – 03:50 pm</p> <p>Exam 4 on Monday (November 12) 03:00 pm – 03:50 pm</p> <p>Final on Monday (December 10) 03:00 am – 05:00 pm</p>
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Grading Policy

<p>You will be able to obtain a maximum of 500 points in this class, divided as follows:</p> <p>- Exams (400 points): There will be four in-class exams and one final exam (80 each). These exams will focus on the topics discussed in class and in the homework. Homework will be assigned on MU Online after each lecture session. You can bring questions about homework problems to class, office hours, or the tutoring lab. The Final exam will be comprehensive.</p> <p>- Participation Quizzes (100 points): There will be five participation quizzes (20 each). These daily quizzes will focus on the topics discussed in class. You will be graded on a credit / no-credit basis, with credit for completing the quiz with a reasonable effort.</p> <p>- The total number of points you earn will be divided by the total number of points possible to determine your final percentage. At the end of the semester, your overall letter grade will be assigned on the following scale:</p> <p>A: 90 – 100% B: 80 – 89% C: 70 – 79% D: 60 – 69% F: Below 60%</p>
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