

Modern Algebra I MTH 450-102/550-103/550-104 || CRN: 4280/4218/4282 || Fall 2023

Instructor:	Dr. Tom Cuchta							
Time:	5:00-6:15	MW						
Location:	SH 509							
E-mail:	cuchta@marshall.edu							
Office:	SH 721							
Walk-in office hours:	See my website http://tomcuchta.com. They may change throughout the semester without							
					e scheduled via e-mail.			
Class webpage:					MTH450.550-Fall2023-Marshall/			
Textbook:					ion by Fraleigh ISBN: 9780201763904			
Course Description:	Structure of the abstract mathematical systems; groups, rings, fields, with illustrations and applications from number theory.							
FREE math tutoring:	Virtual a	fered by the math department:						
	https://v							
Calculator policy:	Calculators will not be permitted on exams.							
Attendance policy:	Every class meeting should be attended by the student in its entirety, but attendance itself							
	will not be recorded for a grade. If a class is missed, it is the <i>student's responsibility</i> to							
			as missed.					
Homework:	Homework will be assigned weekly and due on Wednesdays. Graduate students may be							
	0			an undergraduat				
Late homework:	Homework may be submitted late for a penalty.							
Presentations:	(550 only!!)Students enrolled in a graduate section of the course will be asked to present							
			-		rial from the text to the class semi-regularly.			
	Each presentation will be scored by the instructor using a presentation rubric. Followup							
	work (including presenting again) may be assigned to improve the presentation score on a							
Quizzes:	given presentation. Ovigree will be given renderily and will be unexpounded in advance 20% of the lowest							
Quizzes.	Quizzes will be given randomly and will be unannounced in advance. 20% of the lowest-							
Exams:	scored quizzes will be dropped. There will be three one-hour exams in this course.							
Final exam:	There will be a cumulative final exam in this course at the time defined by the registrar's							
i mur exum.	office.							
Make-up exam policy:	: If an exam is to be missed due to an excused absence (defined as in this page), then it is the <i>student's responsibility</i> to arrange an alternative time to take the exam at least one week before the exam is given. If the student misses an exam due to an unexcused absence, the exam may be replaced with the percentage earned on the final exam. The unexcused absence policy applies <i>only once</i> .							
University policies:	Various university policies such as Academic Dishonesty, Academic Dismissal, Aca-							
	demic Forgiveness, Academic Probation & Suspension, Affirmative Action, Pre- Finals Week, D/F Repeat Rule, Excused Absence, Inclement Weather, Sexual Ha-							
	rassment, Students with Disabilities, and University Computing Services Accept							
	able Use can be found at the Marshall University academic affairs webpage here:							
	-	1		1	Eairs/policies/			
	Categor	•	MTH 450	MTH 550				
	Homew		30%	20%				
Grading policy:	Quizzes		20%	15%				
araang ponoj.	Present	ations	0%	15%				
	Hour exams		30%	30%				
	Final e		20%	20%				
				2070				
	Grade	Grade Percentage Range						
	А	90% ≤	\leq Points Ea	$\mathbf{rned} \le 100\%$				
	В	B $80 \leq $ Points Earned < 90		$\mathbf{ned} < 90$				
	С	_						
	D	$60 \leq \text{Points Earned} < 70$						
	F	$0 \leq \mathbf{P}$	oints Earn	eu < 00				

Modern Algebra I Calendar Fall 2023

Week	Sections		
$21 \mathrm{Aug} - 25 \mathrm{Aug}$			
28 Aug – 1 Sep			
$4 \operatorname{Sep} - 8 \operatorname{Sep}$	4 September – NO CLASS – LABOR DAY		
$11 \mathrm{Sep} - 15 \mathrm{Sep}$			
$18 \mathrm{Sep} - 22 \mathrm{Sep}$	EXAM 1 - 20 September		
$25~{\rm Sep}-29~{\rm Sep}$			
2 Oct - 6 Oct			
9 Oct – 13 Oct			
16 Oct – 20 Oct	EXAM 2 - 18 October		
23 Oct – 27 Oct			
30 Oct – 3 Nov			
6 Nov – 10 Nov			
13 Nov – 17 Nov	EXAM 3 - 15 November		
20 Nov – 24 Nov	THANKSGIVING BREAK		
27 Nov – 1 Dec	PRE-FINALS WEEK		
	1 December – last day of class		
4 Dec - 8 Dec	FINALS WEEK		

Course outcomes

Course outcomes	Assessment
Students will be able to use definitions and theorems to	Exam
write proofs of results in modern algebra.	
Students will be able to create examples and counterex-	Exam
amples for algebraic structures.	
Students will be able to read and apply theorems.	Exam