



# Intro to Higher Math

MTH 300-101 || CRN: 2873 || Fall 2024

**Instructor:** Dr. Tom Cuchta  
**Time:** 2:00-2:50 MTWF  
**Location:** Smith Hall 514  
**E-mail:** [cuchta@marshall.edu](mailto:cuchta@marshall.edu)  
**Office:** Smith Hall 614  
**Open office hours:** See my website <http://tomcuchta.com>. They may change throughout the semester without notice. Alternate office hours may always be scheduled via e-mail.  
**Class webpage:** <https://tomcuchta.com/teach/classes/2024/MTH427-Fall2024-Marshall/>  
**Textbook:** "Book of Proof" 3rd edition by Richard Hammack  
 Freely available online: <https://richardhammack.github.io/BookOfProof/Main.pdf>  
**Course Description:** A transition between elementary calculus and higher mathematics with emphasis on techniques of proofs.  
**Prerequisites:** MTH 230 with a minimum grade of C  
**In-class work:** Often, in most classes, some problems will be given and collected for a grade. Online students must submit theirs by within 30 minutes of the end of a class period.  
**Weekly Homework:** Weekly homework will be assigned and be submitted via Blackboard.  
**Quizzes:** Quizzes will be given randomly, will be unannounced in advance. 20% of the lowest-scored quizzes will be dropped.  
**Exams:** There will be three one-hour exams in this course.  
**Final exam:** There will be a cumulative final exam in this course.  
**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 *student's responsibility* 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 *only once*.

**University policies:** Various university policies such as Academic Dishonesty, Academic Dismissal, Academic Forgiveness, Academic Probation & Suspension, Affirmative Action, Pre-Finals Week, D/F Repeat Rule, Excused Absence, Inclement Weather, Sexual Harassment, Students with Disabilities, and University Computing Services Acceptable Use can be found at the Marshall University academic affairs webpage here: <https://www.marshall.edu/academic-affairs/policies/>

		Grade	Percentage Range
<b>Grading policy:</b>	Weekly Homework	25%	A $90\% \leq \text{Points Earned} \leq 100\%$
	In-class work	5%	
	Quizzes	15%	B $80 \leq \text{Points Earned} < 90$
	Hour exams	35%	C $70 \leq \text{Points Earned} < 80$
	Final exam	25%	D $60 \leq \text{Points Earned} < 70$
			F $0 \leq \text{Points Earned} < 60$

**Campus Carry Policy** University Policy, UPGA-12 (Campus Carry Policy) derives its authority from West Virginia State law, including the Campus Self-defense Act (WV Code §18B-4-5b). It pertains to the exercise of concealed carry on Marshall University's campus, except in designated areas, by individuals with a valid permit to conceal carry.

Individuals who choose to conceal carry are responsible for knowing and understanding all applicable federal, state, and local laws and Marshall University Board of Governors Rules, university policies, and administrative procedures. University Policy, UPGA-12 applies to areas of campus and buildings that are directly under the possession or control of Marshall University.

Concealed handguns are not observable to others and must be holstered and concealed on the body of the permit holder or in a personal carrier, such as a backpack, purse, or other bag that remains under the exclusive and uninterrupted control of the permit holder. This includes wearing the personal carrier with a strap, carrying or holding the personal carrier, or setting the personal carrier next to or within your immediate reach at all times. If your participation in class activities impedes your ability to maintain constant control of your handgun, please make alternate arrangements prior to coming to class.

# Intro to Higher Math Schedule Fall 2024

Week #	Dates	Sections
1	19 Aug – 23 Aug	1.1, 1.2, 1.3, 1.4
2	26 Aug – 30 Aug	1.5, 1.6, 1.7, 1.8, 1.9, 2.1
3	2 Sep – 6 Sep	<b><i>NO CLASS - Labor day:</i></b> 2 September 2.2, 2.3, 2.4
4	9 Sep – 13 Sep	2.5, 2.6 <i>Review day:</i> 11 September <b><i>EXAM 1:</i></b> 12 September
5	16 Sep – 20 Sep	2.7, 2.8, 2.9, 2.10, 2.11, 2.12
6	23 Sep – 27 Sep	3.1, 3.2, 3.3, 3.4, 3.5, 3.6
7	30 Sep – 4 Oct	4.1, 4.2, 4.3, 4.4, 4.5
8	7 Oct – 11 Oct	5.1, 5.2, 5.3, 6.1 <b><i>NO CLASS - October break:</i></b> 10-11 October
9	14 Oct – 18 Oct	8.4 <i>Review day:</i> 16 October <b><i>EXAM 2:</i></b> 17 October
10	21 Oct – 25 Oct	9.1, 9.2, 9.3, 10.1, 10.4
11	28 Oct – 1 Nov	10.2, 10.3, 11.1, 11.2, 11.3, 11.4
12	4 Nov – 8 Nov	11.5, 11.6, 12.1, 12.2
13	11 Nov – 15 Nov	12.3, 12.4 <i>Review day:</i> 13 November <b><i>EXAM 3:</i></b> 14 November
14	18 Nov – 22 Nov	12.5, 12.6
15	25 Nov – 29 Nov	<b><i>THANKSGIVING BREAK</i></b>
16	2 Dec – 6 Dec	14.1, 14.2, 14.3, 14.4 <i>Review day:</i> 5 December
17	9 Dec – 13 Dec	<b><i>FINAL EXAMS</i></b>