Marshall University Syllabus
College of Science
Mathematics Department

Course

MTH 102 Section 105– Preparation for College Mathematics B – CRN 4474

Credits

4 Credit Hours

Prerequisites

Math ACT 18 or below, or SAT Math 450 or below.

Term/Year

Fall 2022

Class Meeting Days/Times

MTWR 09:00 am– 09:50 am

Location

SH 621 (Smith Hall)

Academic Calendar

For beginning, ending, and add/drop dates, see the Marshall University Academic Calendar (URL: https://www.marshall.edu/academic-calendar/).

Instructor

Pelumi Eniodunmo

Contact Information

- Office: SH 620A
- Office Hours: TR 11:00am – 12:00pm; or by appointment.
- Marshall Email: eniodunmo@marshall.edu

Instructor

Jacob Kretzer

Contact Information

- Office: SH 620B
- Office Hours: TR 10:00am – 11:00am; or by appointment.
- Marshall Email: kretzer3@marshall.edu

COVID-19 Related Information

Marshall's official COVID-19 protocols are online at https://www.marshall.edu/coronavirus (URL: https://www.marshall.edu/coronavirus/). Policies and protocols may change over time as we respond to changing conditions. The website will always contain the most recent information – check it frequently for the most current information.

Key policies and practices at the start of the Fall 2022 semester include the following:

- **Wear a mask inside university buildings, *when required*.** To see the campus current masking status, visit Marshall's COVID-19 Dashboard (www.marshall.edu/coronavirus). Masks are not required in personal residence hall rooms or workspaces.

- **Students will disinfect their personal workspaces and virtual learning hubs** with disinfectant wipes provided nearby.

- **All members of the Marshall University community are expected to observe all COVID-19 protocols at all times. Students who are unable to follow University requirements due to a disability** should seek reasonable accommodations from the Office of Disability Services (ODS; disabilityservices@marshall.edu) during the first week of class.

Required and/or Recommended Texts and Materials

Required Texts and Materials

1. Knewton Alta access/login account. You will be linked to Knewton from within our course on blackboard. Login to blackboard, and click on our course shell from your blackboard homepage. Click on the Knewton HW tool link from the left panel. Signup using your Marshall email. This will give you free access to the MTH 102 course template on Knewton Alta.
2. Calculator – A calculator is allowed on all assignments and tests. No internet-enabled devices may be used as a calculator during tests.
3. Headphones – Students who want to watch the Knewton learning videos

during class, as part of learning the course material, must use headphones.

4. Notebook – Students should take notes on each lesson during the Learn and the Practice. Examples and explanations for different types of problems should be worked out neatly in your notebook and discussed with the Instructor or Teaching Assistant as needed.

The Modified Math Emporium Format: The format of this course is known as a modified math emporium. Math emporia have been shown to be more effective than traditional lecture-based courses in a number of colleges and universities across the country in the last decade. Studies have shown that when students actively engage with course material, on average they have higher rates of achievement of intended learning outcomes as well as higher course completion rates. The emporium model is based on mastery learning, promotes active learning, and provides flexibility in the pace at which students move through content, allowing students to cover familiar material quickly so that they can spend more time on topics that are more challenging for them. The format features timely personal assistance from the instructor, coupled with interactive computer technology for instruction, and assessment with immediate feedback. The interactive computer technology provides a nearly unlimited variety of practice examples, step-by-step guidance, and customized review support.

Note: Although this course involves computer-assisted instruction, it is not a distance learning or online course, nor is it an independent study.

Course Student Learning Outcomes

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 identify different sets of numbers, compute results using elements of these sets, and convert numbers to the most appropriate form for applications.	Intensive readings, homework, and discussions, both outside and inside the classroom.	Midterm tests and the final exam.
Students will apply properties and use operations to manipulate and simplify numerical and algebraic expressions.	Intensive readings, homework, and discussions, both outside and inside the classroom.	Midterm tests and the final exam.

Students will develop a facility in solving algebraic equations, evaluating geometric formulas, and graphing points in the plane.	Intensive readings, homework, and discussions, both outside and inside the classroom.	Midterm tests and the final exam.
Students will learn the properties of exponents, scientific notation, and operations on polynomial expressions.	Intensive readings, homework, and discussions, both outside and inside the classroom.	Midterm tests and the final exam.
Students will factor polynomials using multiple techniques.	Intensive readings, homework, and discussions, both outside and inside the classroom.	Midterm tests and the final exam.
Students will evaluate, simplify, and perform algebraic operations on rational and radical expressions.	Intensive readings, homework, and discussions, both outside and inside the classroom.	Midterm tests and the final exam.

Course Requirements/Due Dates

Students must complete each learning objective to be prepared for the exams and future study. Knewton Alta is organized into workspaces for each objective and your goal should always be 100% completion. If you complete each workspace at 100% prior to the exam date and would like to take the exam, you may. To be prepared for each exam, you should aim for at least 80% completion of each relevant workspace.

Each exam will have two attempts. The first attempt for each exam must occur on or before the due date for that exam. The second attempt must be completed by the last day of class.

The final exam must be taken on or before the final exam date and time for your section. The final exam has only one attempt. You may take the final exam early if all semester exams and workspaces have been completed.

Students are expected to work outside of class time between 8 and 16 hours per week.

Grading Policy

Knewton Alta will be used for the online homework. Your final completion for each workspace will be the grade for that assignment.

There will be five midterm tests and a comprehensive final exam:

Test#1	Thursday 9/8	10%
Test#2	Monday 9/26	10%
Test#3	Thursday 10/13	10%
Test#4	Tuesday 11/1	10%
Test#5	Thursday 11/17	10%
Final Exam	Friday 12/09	20%
Knewton HW	25%	
Participation	5%	

The grading scale: A: 90 – 100, B: 80 – 89.9, C: 70 – 79.9, D: 60 – 69.9, F: 0 – 59.9

Attendance/Participation Policy

Students are required to attend each class. Students with a University Excused Absence must provide evidence to justify a University Excused Absence on the first day they return to class. Each unexcused absence will result in a decrease of your final grade. Students do not need to attend class after successful completion of all workspaces, midterm tests, and the final exam.

University Policies

By enrolling in this course, you agree to the University Policies. Please read the full text of each policy (listed below) by going to MU Academic Affairs: University Policies. (URL: https://www.marshall.edu/academic-affairs/policies/)

- Academic Dishonesty Policy
- Academic Dismissal Policy
- Academic Forgiveness Policy
- Academic Probation and Suspension Policy
- Affirmative Action Policy
- Dead Week Policy
- D/F Repeat Rule
- Excused Absence Policy for Undergraduates
- Inclement Weather Policy
- Sexual Harassment Policy
- Students with Disabilities (Policies and Procedures)
- University Computing Services Acceptable Use Policy

Math Department Tutoring Lab

Location: Smith Hall 625 & Online through MS Teams
Hours: MTWR: noon – 7 PM, and F: noon – 2 PM
Online: Tutoring lab team
There are limited computers in the math tutoring lab. Please bring your questions on paper or bring your own laptop. No tests can be taken in the math tutoring lab.

Technology

You will be using Knewton and Blackboard together in this course. Your course instructor will help you log in to both on the first day. Knewton has student FAQs and help available: https://support.knewton.com/faq-library/student-faqs/knerd-tips-for-students

Course Schedule

Fall 2022

Week	Knewton HW Sections	Suggested Due Date	Notes
1	Knewton Login & 1.1	M 8/22	
	2.1 & 2.2	T 8/23	
	2.3 & 2.4	W 8/24	
	2.5 & 3.1	R 8/25	
2	4.1A & 4.2	M 8/29	-
	4.5A & 4.7	T 8/30	
	5.1 & 5.2	W 8/31	
	5.3A	R 9/1	
3	**Labor Day**		
	6.1 & 6.2	T 9/6	
	Practice Test#1	W 9/7	
	Test#1	R 9/8	
4	7.1	M 9/12	
	7.2 & 7.3A	T 9/13	
	8.1 & 8.2	W 9/14	
	8.3A & 8.3B	R 9/15	
5	9.3B & 9.7	M 9/19	
	10.1	T 9/20	
	10.2 & 10.3	W 9/21	

	Practice Test#2	R 9/22	
6	**Test#2**	M 9/26	
	10.4	T 9/27	
	10.5	W 9/28	
	10.6A	R 9/29	
7	10.6B	M 10/3	
	13.1	T 10/4	
	13.2	W 10/5	
	13.3	R 10/6	
8	13.7B	M 10/10	
	Review		
	Practice Test#3	W 10/12	
	Test#3	R 10/13	
9	14.1	M 10/17	
	14.2	T 10/18	
	14.3	W 10/19	
	14.4	R 10/20	
10	14.5	M 10/24	
	15.1	T 10/25	
	15.2	W 10/26	
	Review		
11	Practice Test#4	M 10/31	
	Test#4	T 11/1	
	15.3	W 11/2	
	15.4	R 11/3	
12	16.1	M 11/7	
	16.2	T 11/8	
	16.3	W 11/9	
	16.4	R 11/10	
13	16.5	M 11/14	
	Review		
	Practice Test#5	W 11/16	
	Test#5	R 11/17	

Thanksgiving Break (11/21 – 11/25)			
14	Review		
	Review		
	Review		
	Practice Final Test	R 12/1	
15	Final Exam Date & Time – Friday 12/09 8:00am – 10:00am		