MATH 120 Fundamentals of College Mathematics

IMPORTANT: This is a web-based course operating on a condensed schedule, with at least one proctored examination (see the "Semester at a Glance" and "Examinations" sections for more information). This means that it is shorter and may have more rigorous weekly requirements than a standard-length course. Due to the dynamic nature of online courses, these details are subject to change. In order to ensure you have the most recent information available regarding assignment details, course policies, and additional information, please refer to the course site.

Contact information for your instructor and the Online Learning office can be found in the Course Information module and on the Contacts and Help page within your course in WebCampus.

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Welcome and Introduction

Welcome to MATH 120: Fundamentals of College Mathematics. I am very excited to offer Math 120 as an Online Learning course. This course will be centered on both WebCampus and MyLab and Mastering learning management systems. These systems allow instant feedback and have many valuable resources. It is imperative

that you familiarize yourself with both systems; expect to check into each on a regular basis (i.e. multiple times per week).

Course Layout

Materials necessary to complete Math 120 will be accessed using two platforms, Pearson's MyMathLab and WebCampus.

MyMathLab is the website where you will

- access the course textbook;
- complete homework, quizzes, and the proctored exam;
- view your current grade; and
- ask your instructor questions regarding the homework via email.

WebCampus will be used as an area to

- access the course syllabus and policies;
- participate in class discussions;
- view lecture material;
- view study guides; and
- communicate via messages with your instructor.

You must familiarize yourself with both platforms and check into each frequently.

Course Description

Sets, logic; probability, statistics; consumer mathematics; variation; geometry and trigonometry for measurement; linear, quadratic, exponential and logarithmic functions. Emphasis on problem solving and applications. (Credit may not be received for MATH 120 if credit has already been awarded for MATH 127R or above.) (This course satisfies the university core mathematics requirement.)

Prerequisites: ACT score of 22 or SAT score of 500 or MATH 96 with a "C" or above or an S.

Student Learning Outcomes (SLOs)

Upon completion of this course, students will be able to

- formulate and use mathematical models to analyze real-world situations;
- determine and implement an appropriate method of solution for financial problems; and
- solve basic probability problems.

Textbook and Required Materials

Textbook

The required textbooks will be available for purchase online or at the [Nevada Wolf Shop](#). Please note that you must have acquired your texts prior to the first day of the course.

The required textbook for this course is Fundamentals of College Mathematics, a custom edition for the University of Nevada, Reno. The course text is available for purchase in hard copy at the Nevada Wolf Shop or

online at pearsonmylabandmastering.com. The hard copy includes access to the online textbook. The online and hard copy versions are identical. See the Getting Started on MyMathLab section for more information.

A scientific or graphing calculator is also required for this class. Graphing calculators are available for rent from the Math Department for $20 per semester. Visit the Math Center for more details.

Recommended

Herald, Christopher. *Fundamentals of College Math Package*, 2009. ISBN: 0558498817.

Accessibility of Required Materials

Please note that 365 Learning has made every effort to ensure that the required materials in our courses are universally accessible. If you require specific accessibility accommodations, it is your responsibility to review the course material and contact 365 Learning and the Disability Resource Center at the start of the semester.

Exam Materials

Please note: Students living outside of a 100-mile radius from the University of Nevada, Reno must acquire additional materials in order to complete the proctored exam(s). Please contact 365testing@unr.edu immediately to learn more about the testing process and determine which materials are necessary.

Getting Started on MyLab and Mastering

Before you register your MyMathLab software, make sure you have

- a valid email address that you check regularly;
- our course ID: **petersen57874**; and
- a student access code, a valid credit card, or a PayPal account.

To register for MyLab and Mastering and enroll in your course:

1. Click "Student" in the Register box on the right-hand side of the MyMathLab home page (if that link doesn't work, you can try to access MyLab through this alternate MyLab link).
2. Follow the instructions to register and enroll. You will be asked to
   o enter your course ID: **petersen57874**;
   o either sign in using your previous Pearson Account login name and password, or create a new login name and password; and
   o provide your access code or payment information.
       ▪ If you chose to buy a hard copy of the text, your new textbook contains an access code. The code might be in the textbook or on a separate card packaged with the book. For more information, watch this "Register Using an Access Code" tutorial video.
       ▪ If you chose to buy online access to the text only, you can buy access for this course online during registration with a credit card or PayPal account. For more information, watch this "Register by Purchasing Online" tutorial video.

At the end of the registration process, you can click "**Log In Now**" on the "Confirmation and Summary" page to enter your course.

Once in your course, the first thing you should do is click on the "Installation Wizard" tab on the left-hand side to install the plug-ins and players you will need to access the multimedia content in your course.

Academic Resources

Your student fees cover usage of UNR's [Math Center](#) (775-784-4433), [Tutoring Center](#) (775-784-6801), and [University Writing Center](#) (775-784-6030). These centers support your classroom learning; it is your responsibility to take advantage of their services. Keep in mind that seeking help outside of class is the sign of a responsible and successful student.

This Semester at a Glance

This course is NOT self-paced. You will have readings, a lecture, and assignments every week. All assignments have a due date that is listed in the syllabus, in the modules, and on the calendar. You may want to map out all of the due dates in your personal planner at the beginning of the semester so that you can work to meet these deadlines at a comfortable pace.

This is a suggested outline only. The instructor may change the topics or schedule as needed.

Week/Dates	Topics	Assignments
Week 0: August 28–September 3	Introductory Week	Register for *MyMathLab* (MML)
Week 1: September 4–10	Graphs and Equations of Lines	Discussion 1 MML Homework 2.1 and 2.2
Week 2: September 11–17	Linear Models, Exponential Functions, and Applications of Exponential Equations	MML Homework 2.3, 4.1 and 4.2 Chapter 2 Quiz
Week 3: September 18–24	Logarithmic Functions, and Logarithmic and Exponential Equations	MML Homework 4.3 and 4.4 Chapter 4 Quiz
Week 4: September 25–October 1	Simple and Compound Interest	Discussion 2 MML Homework 5.1 and 5.2
Week 5: October 2–8	Annuities and Amortization	MML Homework 5.3 and 5.4 Chapter 5 Quiz
Week 6: October 9–15	Sets and Venn Diagrams	Discussion 3 MML Homework 7.1 and 7.2
Week 7: October 16–22	Introduction and Basic Concepts of Probability	MML Homework 7.3 and 7.4 Chapter 7 Quiz
Week 8: October 23–29	Multiplication Principle/Permutations and Combinations	Discussion 4 MML Homework 8.1 and 8.2
Week 9: October 30–November 5	Probability Applications of Counting and Principles and Measures of Central Tendency	MML Homework 8.3 and 9.1 Chapter 8 Quiz *Schedule Final Exam*
Week 10: November 6–12	Measures of Variation and Normal Distribution	Discussion 5 Chapter 9 Quiz MML Homework 9.2 and 9.3
Week 11: November 13–17	**Proctored Final Exam**	

Grading

You can monitor your grade in the course by clicking on the "Gradebook" tab in MyMathLab.

Percent Distribution

The percent distribution and grading scale for the course are:

Assignments	Percentage
Homework Assignments	20
Participation in Online Discussions	10
Quizzes	50
Comprehensive Final Exam	20
Total	*100*

Students are required to take all proctored exams. Students cannot pass the class without passing at least one proctored exam. (A passing grade is 60% or higher.) Students may not retake proctored exams. If the final score on at least one proctored exam is not 60% or above, the student earns a failing grade in the course. Please see the Proctored Exam Policy for more information.

Grade Scale

Letter	Percentage
A	92.0–100
A-	90.0–91.9
B+	88.0–89.9
B	82.0–87.9
B-	80.0–81.9
C+	78.0–79.9
C	72.0–77.9
C-	70.0–71.9
D+	68.0–69.9
D	62.0–67.9
D-	60.0–61.9
F	0–59.9

Also note: No grades will be "rounded up," with no exceptions. You need at least a D to pass this class and earn core math credit.

Please note that the Proctored Exam Policy supersedes the grade that appears in the gradebook, which might indicate a passing score for the course. Regardless of what the calculated grade in the grade book shows, if the final score on the proctored exam is less than 60%, a failing mark will be given for the course.

DARS Information

The University General Course Catalog contains the following statement: Credit may not be received for Math 120 if credit has already been awarded for Math 127 or above. If this rule is violated, your DARS will list this course with zero credit. It will not count toward graduation and the grade will not be averaged into your GPA.

MyMathLab (MML) Homework

Due: by 11:59 p.m. (Pacific Time) on Sundays
Value: 20 percent of overall grade

All homework assignments are to be completed on [MyMathLab](#) (MML). Due dates are listed on MML as well as in the modules. Your **three** lowest homework scores will be dropped at the end of the course. Late homework will **not** be accepted. You are allowed to work on homework with your classmates, a tutor, or in the math center. Getting help on homework is encouraged and is not considered cheating.

Completing Homework in MML

Once logged into MyMathLab (MML), click on the "Do Homework" tab on the left-hand menu then select the assignment on which you would like to work. You can complete an assignment in one sitting or leave it partially completed and return to it later. MML automatically saves completed answers and submits assignments to the gradebook on the due date.

MML gives you the ability to repeat a question as many times as it takes to get it correct without affecting your grade. After attempting a problem three times, click on "Similar Problem" at the bottom of the window to receive a new problem with different numbers. You can repeat this as many times as you like without penalty. This feature will assist you in receiving 100 percent on all of your assignments.

While working on a problem, there are some very valuable resources available to you on the right side of the window. The "Help Me Solve This" button walks you through the problem step by step. The "View an Example" button shows you a completed example problem similar to the current question. The "Textbook" button takes you to the page in the online text where the topic that you are working on is covered. The "Ask My Instructor" button sends your instructor an email that includes the problem you are working on with the work that you have completed and allows you to write a specific question about the problem. The instructor's response to your question will be emailed to the registered email address. The "Print" button allows you to print either just the question you are working on or the entire assignment so you can work on it and come back to it later.

Discussions

Initial Post Due: by 11:59 p.m. (Pacific Time) on Wednesdays of weeks 1, 4, 6, 8, and 10
Response to Classmate Due: by 11:59 p.m. (Pacific Time) on Sundays of weeks 1, 4, 6, 8, and 10
Value: 10 percent of overall grade

Throughout the course, you will be required to participate in online discussions with your classmates on WebCampus. Treat each of these discussions as formal writing assignments. Your postings should be at least one paragraph (about four sentences) long. Please pay attention to grammar and spelling and refrain from using cyber acronyms (LOL, IDK, etc). Be respectful of your classmates' ideas and opinions. You may disagree with them politely in your posts, but please make sure to address the issue and not the author. Late submissions will not be accepted. Your lowest discussion grade will be dropped at the end of the course.

Grading Criteria

Discussions will be graded according to the following rubrics:

Initial Post

Description	Points
Excellent Post	3
Meets Requirements	2
Fails to Meet Requirements	0–1
Total	*3*

Final Post

Description	Points
Excellent Post	2
Meets Requirements	1
Fails to Meet Requirements	0
Total	*2*

Chapter Quizzes

Due: by 11:59 p.m. (Pacific Time) on Sundays of weeks 2, 3, 5, 7, 9, and 10
Value: 50 percent of overall grade

You will complete a quiz for each chapter in this course. They will be in MyMathLab and are designed to prepare you for the final exam. The quizzes are unproctored, meaning they are open notes/open book, and you may use your calculator. The quizzes consist of free response questions from the assigned chapter and have a time limit of **sixty minutes**; you will only have **one chance** to complete these quizzes. You will need to review the homework assignments to prepare for the quizzes. You will only be able to access your quiz after the due date; you will be able to view completed quizzes as practice for the final exam.

Important information regarding chapter quizzes:

- No early or late quizzes will be given.
- Your lowest quiz score will be dropped and the end of the course.
- If you have a documented medical emergency, travel plans, etc., on the week of a quiz you can take the missed quiz as your drop.

Online Study Groups for Chapter Quizzes

During each week with an assigned quiz, there will be an open discussion area where you can post questions about the upcoming quiz. You are encouraged to engage in discussion with each other, answer others' questions, and in general create an informal "study group" to help each other prepare for the exam. Your instructor will also step in and answer questions as needed.

While your participation in these discussions is encouraged, it is not required and these discussions will not be graded.

Examination

Proctored Final Exam Due: week 11
Value: 20 percent of overall grade

The Final Exam is a **proctored** exam, with a two-hour time limit, and must be taken during week 11. This exam consists of twenty free response questions from all ten weeks of class. Testing information will be provided to you in week 11's module. You will need to review the homework assignments and past quizzes to prepare for the final exam.

You must schedule an appointment to take this exam. Further information on scheduling an appointment for your proctored exam can be found in the module during week 11, and by clicking on "Schedule Exam" on the homepage.

Students are required to take all proctored exams. Students cannot pass the class without passing at least one proctored exam. (A passing grade is 60% or higher.) Students may not retake proctored exams. If the final score on at least one proctored exam is not 60% or above, the student earns a failing grade in the course. Please see the Proctored Exam Policy for more information.

Requirements

Rigorous testing policies and procedures are required of an accredited university; therefore, exams must always be administered in a proctored/supervised, educational setting. Refer to the modules for scheduled exam dates. Early/late exams are not permitted. Failure to take your exam within the specified date range will result in a zero for the exam and/or failure of the course.

If you live within a 100-mile radius of the University of Nevada, Reno, you will test in person at the 365 Learning testing room. Please see Scheduling an Appointment with 365 Learning for instructions for how to schedule your exam appointment. **Students are required to make an appointment with 365 Learning at least two weeks in advance** through an online appointment scheduler. Waiting until the week of the exam may result in no testing appointments being available.

If you live outside of a 100-mile radius from the University of Nevada, Reno, please contact 365testing@unr.edu for testing options **immediately**.

Please note: If you require DRC accommodations for your exam and have not already contacted 365 Learning *and* the DRC, then please do so **immediately**. See 365 Learning's Testing Accommodations for more information.

Failure to schedule exams in a timely manner could mean that you are unable to complete your test during the assigned dates, and you will be assigned a grade of "0" for the exam.

You will be charged **a $60 expedite fee** if you request testing accommodations (outside of scheduled dates, out-of-100-mile radius accommodations, or DRC accommodations) less than two weeks before testing date.

Please contact 365testing@unr.edu to discuss accommodations immediately.

Course Evaluations

Evaluations for all UNR courses have permanently moved to www.unr.edu/evaluate. You can log in with your NetID and password when evaluations are available for your courses, and you will receive announcements and reminders from wolfpackevals@unr.edu during this time. If you encounter any problems, please write to this address. For more information, see the Course Evaluations page.

Online Learning Policies

- State Authorization for Distance Education
- Technical Requirements
- Proctored/Supervised Examinations
- Proctored Exam Policy
- Testing Accommodations
- Academic Standards Policy
- Late Work Policy
- Equal Access
- Safe Learning Environment
- Civility and Class Conduct
- Netiquette
- Incomplete Policy
- Course Changes
- Outside Resources
- Course Materials Copyright
- Statement on Audio and Video Recording
- APA Style Resources
- MLA Style Resources