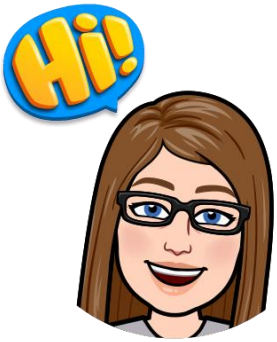
MATH M07 – Fall 2022
PRECALCULUS
CRN 70398



Instructor: Laurel Drane
Zoom: Zoom ID 479-579-1805
Campus Office: AC – 225
Campus Phone: (805) 553-4698
E-mail: ldrane@vcccd.edu
Format: In-Person
Course Instruction: Mondays and Wednesdays 4:00PM – 6:50PM in TB-120
Final Exam: Monday 12/12 5:00PM – 7:00PM

Office Hours:
Tue. 1:00PM – 2:30PM AC-225
Wed. 11:00AM – 12:00PM Zoom
Thu. 1:00PM – 3:00PM AC-225
and by Appointment via Zoom

Online Student Support Desk:

Moorpark College has technical support for any class that is online, hybrid or using Canvas:

- Having trouble submitting an assignment in Canvas or connecting to your class via Zoom? The Moorpark College Online Student Support Desk is your destination for navigating the complexities of the online learning environment.

Contact: To get started, select one of the options below:

- Schedule Appointment
- Join Virtual Lobby
- Call (805) 553-4188
- For Canvas specific support after hours, the student may call the 24/7 Canvas Help Line: (844) 602-6290

Healthy Return to Campus:

When you come to campus, it is recommended to check in using the daily screening form in your MyVCCCD app. As of the first day of the semester, vaccinations are no longer required to enter campus, and masks are highly recommended but not mandatory. For a complete list of all safety documents, district guidelines, and district communications about COVID-19, please see the district website on COVID-19 Updates

Administrators:

Department Chair:	Phil Abramoff	(805) 553-4878	AC – 231
Division Dean:	Matt Calfin	(805) 378-1448	AC – 233
Division Office:	Melanie Weerasinghe	(805) 378-1448	AC – 232

Hours: Monday through Thursday 8:00AM – 5:00PM; Friday 8:00AM – 12:00PM

Course Description:

This course integrates college algebra and trigonometry. Includes basic algebraic concepts, equations and inequalities of the first and second degree, systems of equations and inequalities, functions and graphs, linear and quadratic functions, polynomial functions of higher degree, rational functions, exponential and logarithmic functions, trigonometric functions, analytical trigonometry, and polar coordinates.

Student Learning Outcomes:

Students successfully completing Math M07 will be able to:

1. Solve a quadratic trigonometric equation.
2. Simplify a difference quotient expression.
3. Graph a trigonometric function of the type $y = A\sin(Bx + C)$.

Course Objectives:

- Graph functions and relations in rectangular coordinates and polar coordinates.
- Synthesize results from the graphs and/or equations of functions and relations
- Apply transformations to the graphs of functions and relations.
- Recognize the relationship between functions and their inverses graphically and algebraically.
- Solve and apply equations including rational, linear, polynomial, exponential, absolute value,
- radical, and logarithmic, and solve linear, nonlinear, and absolute value inequalities.
- Solve systems of equations and inequalities.
- Apply functions to model real world applications.
- Prove trigonometric identities.
- Identify special triangles and their related angle and side measures.
- Evaluate the trigonometric function at an angle whose measure is given in degrees and radians
- Manipulate and simplify a trigonometric expression.
- Solve trigonometric equations, triangles, and applications
- Graph the basic trigonometric functions and apply changes in period, phase, and amplitude to generate new graphs.
- Evaluate and graph inverse trigonometric functions.
- Convert between polar and rectangular coordinates.
- Calculate powers and roots of complex numbers using De Moivre's Theorem.
- Represent a vector (a quantity with magnitude and direction) in the form <a, b> and ai+bj, compute the magnitude of a vector, and graph vectors on the xy-plane.
- Perform vector operations including addition, subtraction, scalar multiplication, and dot product. Determine the angle between two vectors and when vectors are parallel or perpendicular and compute the projection vector.
- Write the standard form of a circle given the general equation.
- Graph plane curves described by parametric equations.
- Find parametric forms for functions in the plane and eliminate the parameter given curves in parametric form.

- Work with sequences and series or use the binomial theorem or determine the equations of the standard conics or perform partial fraction decomposition.

Attendance:

The Moorpark College attendance policy states that when a student's absence exceeds in number 1/9 of the total class contact hours for the session, the instructor may drop such student from the class. If you miss three consecutive classes (homework submission deadlines or discussion posts), you may be dropped. If you choose to drop the class, it is your responsibility to drop from the class. Please let me know if there is something preventing you from participating!

Important Dates:

Last day to add class:	26 – AUG – 2022
Last day to drop with a refund:	26 – AUG – 2022
Last day to drop without a W:	05 – SEP – 2022
Last day to drop with a W:	18 – NOV – 2022
Census Date:	06 – SEP – 2022

Textbook and Materials:

You will need an access code for Aleks which can be purchased online. Beginning on Monday 8/15, you should visit the ALEKS tab in the left navigation menu of Canvas to get set up. I recommend the option with eBook access, but the eBook is not required. There is no required physical textbook. Please do not take the initial knowledge check before class begins or you speak with me directly if you have not used Aleks before.

A financial aid access code is available to provide 2-week access to those that need assistance. This code gives you temporary access to Aleks for a two-week period. Once the code expires, you will be locked out of your Aleks account until you purchase a regular Student Access Code. **It is highly recommended that you purchase the Student Access Code BEFORE the two weeks expire** to prevent interruptions with your ALEKS account.

The temporary access code for this course is: **4125F-51C33-CD8B5-07987**

A scientific (non-graphing) calculator is recommended for the course. The Aleks program will provide such a calculator when necessary. Graphing calculators are not permitted.

Math Center:

The Math Center offers free tutoring!
On-Ground Hours: Monday, Tuesday and Wednesday 10:00AM - 4:00PM
Online Hours: Monday to Thursday 2:00PM - 7:00PM; Friday and Saturday 11:00AM - 4:00PM
Additional information can be found on the MC Tutoring Center Page.

Grading Scale:

The course grade is weighted based on groupwork, homework, exams and the final as follows.

Groupwork/Discussions	10%	Grading Scale:	A: 90% and above
Homework	20%		B: 80% - 89%
Exams	40%		C: 70% - 79%
Final Exam	30%		D: 60% - 69%
Total	**100%**		F: Below 60%

Grades for each category will be posted in the Grades section on Canvas. ALEKS grades will be updated weekly. *Grades are computed using normal rounding rules.*

Discussions (10%):

We will spend some time in class working on problems together. You will earn credit for team or group problem solving in class each week. Additionally, there are a couple of discussion assignments throughout the semester in Canvas. These will be announced in class on Monday of the week they are due. When responding to Canvas discussions, please use complete sentences and write using college level English.

- For homework question discussions, participate by asking and answering questions from your peers. When responding to classmates, look for students that have not yet been replied to. We will discuss unanswered discussion questions in the weekly Q&A in Zoom on Mondays.
- For topical discussions, you should answer in around six substantive sentences and write using college level English.

If you miss a discussion, please respond – even after the due date. Partial credit may be awarded for a late answer, see the grading rubrics for details. Please make every effort to respond to classmates (or me) if you have been asked a direct question. Grammar and spell check is available on the discussion board and should be used as this will also be taken into consideration when grading the assignments. Please use black font for typed text. Please keep in mind online writing etiquette (netiquette). Use of profanity, bullying etc. will not be tolerated.

Homework (20%):

Homework will be completed through the ALEKS platform and will be due every Sunday at 11:59PM. Contact me with any deadline issues. Smiley face.

Exams (10% each):

There are 4 exams, each worth 10% of your grade. You will take each exam in the Testing Center on a computer using the ALEKS lockdown browser. After you complete the exam you must turn in your work to the proctor for credit. If you do not turn in your work then you will not receive credit for taking the exam. Please let me know if a situation arises!

Exam dates are as follows:

Exam	Opens	Closes
Exam 1	Wednesday 9/7	Monday 9/12
Exam 2	Wednesday 10/5	Tuesday 10/11
Exam 3	Wednesday 11/2	Tuesday 11/8
Exam 4	Wednesday 11/30	Tuesday 12/6
Final Exam	Monday 12/12	Thursday 12/15

Final Exam (30%):

The Final Exam is cumulative, covering all topics from the course. It will be available from Monday 12/12 through Thursday 12/15 for you to take in the Testing Center on a computer with the ALEKS lockdown browser. After you complete the exam, you must turn in your work to the proctor for credit. If you do not turn in your work then you will not receive credit for taking the exam.

- Final Exam Review: Monday 12/12 from 5:00PM – 7:00PM

Late Work:

In this class everyone gets three "free passes" to delay their weekly homework assignment or discussion posts for one week with no penalty. Please contact me for any surprise situations! Life happens and I am a reasonable person. Partial credit may be awarded for late discussion answers at any time.

Modules

There is a module in Canvas for each week of the course. The modules contain the weekly topics that we will cover in class. In each module you will find:

- Lecture Notes
- Extra YouTube videos on most topics
- A link to the weekly discussion assignment (if any)

Calendar and Pace:

It is very important that you make a schedule for yourself to stay on track. There are a lot of topics to cover in this 6-unit course and it is easy to procrastinate. In general, you should spend 6 hours each week in class (for lecture material) and 12-18 hours outside of class studying and practicing homework problems. I very highly recommend not waiting until Friday to start the homework as you will not have time to complete it.

Contact:

I generally check my email several times a day during the week and once on Sunday evening. Please plan ahead – if you email me at 11:30PM on the night an assignment is due, it is very unlikely that you will get a timely response. I will respond to all direct messages within 48 hours.

Sexual Misconduct/Title IX

Incidents of sexual misconduct can involve students and employees and include: sexual harassment, gender/sexual orientation-based slurs, electronic harassment related to sex/gender/sexual orientation/gender identity, sexual assault of any type, stalking (including digital stalking), dating/domestic violence, gender/sex-based hate crimes, etc. If you or another student has experienced any of these types of events, regardless of where they occurred or who the perpetrator may have been, please immediately contact your instructor, Dean, or the Title IX Coordinator: Priscilla Mora. It is the responsibility of the College to investigate the

matter and provide support and appropriate assistance to the student who may have been affected. Questions? Visit the TIX/Sexual Misconduct page.

ACCESS:

In compliance with the Americans with Disabilities Act, any student who has a classifiable physical, learning, or psychological disability, is allowed appropriate accommodations in the classroom, or for testing and evaluation purposes. However, in order for the instructor to provide these accommodations, the student must be formally registered with ACCESS. Furthermore, since it is ACCESS policy that such students allow the instructor up to two weeks for the process to be completed, students should present their confidential forms to the instructor as early in the semester as possible. Students may contact the ACCESS department at (805) 378-1461 or contact Silva Arzunyan via email. More information can be found on the Moorpark College ACCESS page.

Academic Honesty:

The integrity of an academic community means that citations of ideas, methodologies, and research findings are full and correct. In addition, each student can promote academic honesty by protecting her/his work from inappropriate use by others and by maintaining high standards of academic honesty. The main violations of academic honesty are cheating and plagiarism. Cheating includes the unauthorized use of certain materials, information, or devices in writing examinations or in preparing papers or assignments. Any student who aids another student in cheating is also guilty of this academic dishonesty.

Other possible forms of cheating include submitting the same work in more than one class without permission and working on exams with the assistance of others.

Plagiarism is the presentation of ideas, words, and opinions of someone else as one's own work. In addition to directly quoted published work, paraphrased material must also be attributed to its original writer.

Moorpark College takes academic honesty very seriously. For more information on the college policy, visit the MC Academic Honesty page.

Email Etiquette:

Be sure to check Canvas regularly for any additional communication regarding the course. Following College and District procedure to align with privacy laws, you must e-mail me from your "@my.vcccd.edu" e-mail account and should include your name and the course name or send a message through Canvas. No grades will be discussed through email; course progress will be discussed in office hours. In addition to using correct grammar and spelling, please be professional and courteous in your communication; this is good training for your current or future career.

Campus Smoking Policy:

Please note that smoking on the Moorpark College is now prohibited in all locations on campus, including all buildings, parking lots and all general campus areas. This includes all forms of cigarettes and tobacco, e-cigarettes and other nicotine delivery systems, and any other types of smoking of any form. Violations will be dealt with according to the Student Code of Conduct.

Math Division Grade Policy:

Each course officially ends at the conclusion of the Final Exam. Final letter grades are then posted by the course instructor for official transcript purposes. Grades are calculated according to the grading structure as determined by the instructor's course syllabus. Instructor decision on final course grades are non-negotiable, binding, and final. There are no assignments or bonus points available after the course is officially over. Inquiries will be directed to this paragraph of the syllabus.

Campus Emergencies:

Contact campus police at (805) 378-1455 or dial 911 in the event of an emergency.

Health Center:

Students who have any physical, psychological, or emotional concerns, may contact the Student Health Center at (805) 378-1413. Visit the Health Center Page for more information.

Counseling Services:

The Counseling Center is in Fountain Hall, Room 120, although counseling services are not currently conducting business in person. Appointments can be made online through the Counseling Services Page or by calling (805) 378-1428.

The information provided in this syllabus is subject to change.