

MATH M05 – Fall 2020

COLLEGE ALGEBRA

CRN 79469



Instructor: Laurel Drane

Zoom “Office”: <https://cccconfer.zoom.us/j/4795791805>

Phone: (805) 553-4698 (I’m not on campus, leave a message)

E-mail: ldrane@vcccd.edu

Format: Online (Asynchronous)

Orientation: Zoom Office from 2:00PM-3:00PM on 8/17

Course Instruction: August 17th through December 9th

Final Exam: Friday 12/11 – Saturday 12/12 Online

Live Contact Hours:

Tue. 10:00 – 11:00AM

Wed. 6:00 – 7:00PM

Thu. 3:00 – 4:00PM

and by Appointment

Student Tech Support:

Moorpark College has technical support for students studying online or using CANVAS in their classes!

Email: mconlinestudentsupport@vcccd.edu

Call: (805) 553-4858

Administrators:

Department Chair: Phil Abramoff pabramoff@vcccd.edu (805) 553-4878 AC – 231

Division Dean: Matt Calfin mcalfin@vcccd.edu (805) 378-1448 AC – 233

Division Office: Linda Sanders lsanders@vcccd.edu (805) 378-1448 AC – 232

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

Course Description:

Prerequisites: MATH M03 or MATH M03B, or High School Algebra II or placement as determined by the multiple measures assessment process.

Covers quadratic equations, linear and non-linear inequalities, absolute value equations and inequalities, complex numbers, functions, polynomial functions, rational functions, exponential functions, logarithmic functions, and systems of equations. Includes the theory of polynomial equations and analytic geometry.

Student Learning Outcomes:

Students successfully completing MATH M05 will be able to successfully evaluate functions, equations, and inequalities related to higher level concepts in preparation for Calculus.

Attendance:

This is an online course that will require students to spend time outside of the traditional classroom to meet attendance requirements. 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 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.

Additionally, you must complete the introduction and syllabus assignments by Friday 8/21 or you will be considered a no-show and will be dropped to allow students from the waitlist to enroll in the class. There are no exceptions.

Important Dates:

Last day to add class:	28-AUG-2020
Last day to drop with a refund:	28-AUG-2020
Last day to drop without a W:	07-SEP-2020
Last day to drop with a W:	20-NOV-2020
Census Date:	08-SEP-2020

Textbook and Materials:

You will need an access code for Aleks which can be purchased online by accessing Aleks through Canvas. I recommend the option with eBook access, but the eBook is not required. There is no required textbook.

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 access code for this course is: AE5F8-B1D05-3C5AB-1E362

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 online tutoring Monday through Thursday and Saturday. Check the [Math Center](#) website for more information.

This course has access to Peer Assisted Learning Sessions (PALS) where groups of 4 or more students can meet virtually with a tutor and get specialized tutoring for a given topic. The purpose of these sessions is to support students in their courses by supplying highly skilled tutors that may provide additional explanations and clarifications. Requests may take up to 48 hours to process. The [PALS Page](#) has additional information as well as a form to request a PAL Session. You may request a session or ask me to request one for you as long as you have the required minimum number of students.

Grading Scale:

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

Discussions	10%
Homework	30%
Exam 1	10%
Exam 2	10%
Exam 3	10%
Final Exam	30%
Total	100%

Grading Scale:	A: 90% and above
	B: 80% - 89%
	C: 70% - 79%
	D: 60% - 69%
	F: Below 60%

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

Discussions (10%):

There are 1-2 discussion posts each week. They are available as soon as you open each module in Canvas and must be completed by their due date.

- For homework question discussions, you must participate by asking and answering questions from your peers. When responding to classmates, look for students that have not yet been replied to.
- For topical discussions, you should answer in no less than six substantive sentences and write using college level English. You will be asked to include an initial post as well as two responses.

There are no make ups for missed discussion posts. Please make every effort to respond to classmates (or me) that have asked you 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 (30%):

Homework will be completed through the ALEKS platform. Homework will be due every Friday. All homework sections are due by 11:59PM on the corresponding due date. No late work will be accepted.

Exams (10% each):

There are 3 exams, each worth 10% of your grade. These exams are available through ALEKS (very similar to homework problems) and are timed. You will also be required to submit your work for each exam as a single PDF in the appropriate location immediately after completing each exam. Failure to submit work for any exam will result in a zero score for that exam. Each exam will be open for approximately 48 hours. Because of the large testing window there are no make ups. Please plan your schedule accordingly.

Exam dates/availability are as follows:

- Exam 1: Available from Sunday 9/13 to Monday 9/14. Due Monday 9/14 at 11:59PM
- Exam 2: Available from Sunday 10/11 to Monday 10/12. Due Monday 10/12 at 11:59PM
- Exam 3: Available from Sunday 11/8 to Monday 11/9. Due Monday 11/9 at 11:59PM

Final Exam (30%):

The Final Exam is cumulative, covering all topics from the course. You must show your work on paper and turn it in as a .pdf via Canvas when finished. I will grade this work. The Final Exam will be taken via Aleks.

Final Exam Date/Availability:

- Available from Sunday 12/13 to Monday 12/14. Due Monday 12/14 at 11:59PM

Late Work:

There are no make-up assignments or late work.

Modules

We will go through the course in weekly modules. Each week, you will be responsible for a Canvas module that is organized by topic. You must view all of the pages in each module and participate in the discussion for that module before you are allowed to move on to the next one. Each module contains:

- Objective Outline/Videos
- Discussion Activity
- A Link to ALEKS

Calendar and Pace:

This class is not self-paced. While you can choose when to watch videos and work on homework, there are deadlines for each topic. It is very important that you make a schedule for yourself to stay on track.

Contact:

I generally check my email several times a day during the week and once on Sundays. 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.

I am available by appointment for a Zoom meeting with at least 24 hours notice.

Sexual Misconduct/Title IX

Incidents of sexual misconduct can involve students and employees and include: sexual harassment, gender/sexual orientation based slurs, social media harassment related to sex/gender/sexual orientation/gender identity, sexual assault of any type, stalking (including text/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 (pmora@vccd.edu). 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:

Students with a disability, whether physical, learning, or psychological, who believe they will need accommodations in this class, are encouraged to contact ACCESS as soon as possible so accommodations can be set up in a timely fashion. Accommodations are based on eligibility and can only be provided if you have submitted a verification from ACCESS in the form of a Confidential Memo. The office can be reached at (805) 378-1461. 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.

Campus Emergencies:

Contact campus police at (805) 378-1455.

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.

Course Objectives:

- State and apply the definition of a function and use the Vertical Line Test.
- Evaluate functions at both numerical and algebraic domain values.
- Determine the domain and range of a relation or function given its equation or its graph.
- Form a new function from original functions using the functional operations of addition, subtraction, multiplication, division, and composition.
- Use the Horizontal Line Test and the definition of an inverse function to determine whether a pair of functions are inverses.
- Graph the functions which yield the parabola, the absolute value, the cubic, the square root, the cube root, and ones defined piecewise; solve linear and radical equations, and absolute value equalities and inequalities.
- Test equations of graphs for symmetries about the x-axis, the y-axis, and the origin.
- Graph a function whose equation yields a translation and/or reflection of a known graph.
- Graph a parabola given by a quadratic function and determine the center and radius of a circle from its equation.
- Give a rough sketch of the graph of a polynomial function of degree three or larger given its factored form.
- Determine the domain and range as well as the horizontal and vertical asymptotes of a rational function, and use that information to graph it; also be able to solve rational equations.
- Graph exponential and logarithmic functions.
- Convert equations back and forth from exponential to logarithmic form.
- Apply the rules of logarithms involving logarithms of products, quotients, powers, and change of base and solve logarithmic functions.
- Solve exponential equations which do have the same base on both sides and ones that do not have the same base on both sides of the equation by using logarithms.
- Use the following theorems (over the complex numbers): Remainder, Factor, Fundamental Theorem of Algebra, Rational Roots (with synthetic division), and Conjugate Roots to solve polynomial equations.
- Solve systems of linear equations using substitution and addition (elimination) with two and three variables and determine consistency and dependency as germane.
- Solve systems of nonlinear equations and linear and non-linear systems of inequalities.

The information provided in this syllabus is subject to change.