Revised: Feb 4, 2013

I. Course and Instructor

Format: Web

Instructor Information:
Name: Merne Dragonette
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Office Hours: TBA

Course Information:

Course Title: College Algebra	Synonym Number: 71350
Course Code: MAT-121- DS21	Credits: 4
Semester: Spring 2013	Prerequisite: MAT-099

Meeting Times and Days: Any time via the World Wide Web.
No activity planned during Spring Break (March 11-15).

Class Location: Online

Start Date: 1/14/13	End Date: 5/3/13
Refund Date: 1/30 /13	Withdraw Date: 4 /7 /13

Orientation Note: Look for the link on the Canvas Home Page for MAT121 called "How To Get Started".

Computer Access:
Online courses require frequent computer use and access to the internet. It is highly recommended that students have a personal computer for use in online courses. If you need to use a computer at your local Colorado Mountain College location, you will be able to do so during open lab hours. Please check with your local site for times. Labs will not be available for Collaborate web conferencing sessions, if included as part of your course, due to the verbal interaction involved.

If you have general questions about online learning, please contact **Colorado Mountain College Online Learning** at 800-621-8559, extension 8341 or virtual@coloradomtn.edu.

No-show reporting and financial aid: If you have not completed your Unit 1 assignments described in Canvas by Tuesday, January 22nd, you will be reported as a no-show and dropped from the course. The resultant loss in credit hours may cause a reduction and/or cancellation of your financial aid award. Neither financial aid awards nor class reinstatement can occur after this point without significant documented

extenuating circumstances. If you have questions or concerns about this please contact your campus financial aid specialist.
(**www.coloradomtn.edu/web/departments/financial_aid**)

II. Course Description:

Explores topics including intermediate algebra, equations, and inequalities, functions and their graphs, exponential and logarithmic functions, linear and non-linear systems, selection of topics from among graphing of the conic sections, introduction to sequences and series permutations and combinations, the binomial theorem and theory of equations. This course is one of the Statewide Guaranteed Transfer courses, GT-MA1

III. Student Learning Outcomes, Competencies, and Skills:

1. Demonstrate an understanding of set notations, subsets of the real numbers and properties of real numbers.
2. Perform algebraic manipulations including working with exponents, radicals, polynomial operations, factoring and algebraic fractions.
3. Solve the following types of equations: linear, quadratic, rational, exponential, logarithmic equations involving radicals, equations in quadratic form and equations involving absolute value.
4. Demonstrate an understanding of formulas including formula evaluation and solving a formula for any of the variables.
5. Read and analyze problems in the form of word problem applications and obtain solutions using equations.
6. Solve and graph first degree inequalities, higher degree inequalities and inequalities involving absolute value.
7. Recognize and graph linear functions, rational functions, absolute value functions, and graph inequalities in two variables.
8. Work with function notation and demonstrate knowledge of the meaning of a function.
9. Demonstrate an understanding of function composition, one-to-one functions and inverse functions.
10. Examine, evaluate and grapth exponential and logarithmic functions.11
11. Use at least two of the following techniques to solve linear and non-linear systems of the equations: substitution, addition, Gaussian elimination, Cramer's rule.
12. Perform operations with matrices and use a matrix operation.
13. Graph systems of inequalities.
14. Identify the conic section represented by a given second degree equation and graph conic sections including circles, parabolas, ellipses and hyperbolas.

15. Explore various topics related to sequences and series including series notation, sequence formulas, counting principles, mathematical induction and the Binomial Theorem.
16. Perform synthetic division.
17. Use the Remainder Theorem and the Factor Theorem to factor and evaluate polynomials.
18. Solve polynomial equations using the Rational Root Theorem and/or approximation techniques.
19. Write and speak clearly and logically in presentations and essays.
20. Demonstrate the ability to select and apply contemporary forms of technology to solve problems or compile information.

IV. IDEA Student Ratings of Instruction:

1. Gaining factual knowledge (terminology, classifications, methods, trends).
2. Learning fundamental principles, generalizations, or theories.
3. Learning to apply course material (to improve thinking, problem solving, and decisions).

V. Methods and Class Management:

Each student's grade will be determined by calculating the weighted average of items submitted in the following categories:

Category	Weighted Percent of the Course Grade
Discussion Average (on Canvas)	5%
Webassign Assignment Average	10%
Webassign Quiz Average	15%
Exam Average (2, taken at CMC site)	45%
Final Exam (taken at CMC site)	25%

Grades will be assigned based on the weighted average as shown.

	B+ 88 – 89	**C+** 78 – 79	**D+** 68 – 69	
A 94 – 100	**B** 84 – 87	**C** 74 – 77	**D** 64 – 67	**F** 0 - 59
A- 90 - 93	**B-** 80 – 83	**C -** 70 – 73	**D-** 60 – 63	

Major due dates for the course are listed below. This is NOT a self paced class. Each assignment, quiz, discussion, and exam has a due date. If you do not complete them by the due date, you will receive a zero. You know that life can surprise you with complications. Plan on finishing each item **earlier** than the due date.

The Webassign Homework Assignments and Webassign Quizzes are available for completion any time **before** the deadline. They can be completed online at any location that offers you access to the internet. They are scheduled to be *unavailable* by 11:55pm of the due date. I will drop your two lowest homework scores and one (lowest) quiz score.

Exams 1 and 2 and the Final Exam are proctored exams and must be completed at a CMC Testing Center. You must schedule an appointment to take these exams at least one week in advance. You will be asked to bring a photo ID. Again, schedule your appointment many days before the due date. For CMC Testing Centers please go to: http://www.coloradomtn.edu/web/classes/online_learning/student_resources_ol/proctored_exams

Jan 14, 2013	Mon	Classes Start	11pm
Jan 16, 2013	Wed	**Asn 1**	due by 11:55pm
Jan 18, 2013	Fri	**Asn 2**	due by 11:55pm
Jan 22, 2013	Tue	**Discussion 1**	due by 10:58pm
		Web Quiz 1	due by 11:59pm
Jan 23, 2013	Wed	**Asn 3**	due by 11:55pm
Jan 25, 2013	Fri	**Asn 4**	due by 11:58pm
Jan 29, 2013	Tue	**Web Quiz 2**	due by 11:58pm
Jan 30, 2013	Wed	**Asn 5**	due by 11:58pm
Feb 1, 2013	Fri	**Asn 6**	due by 11:59pm
Feb 5, 2013	Tue	**Web Quiz 3**	due by 11:59pm
Feb 6, 2013	Wed	**Asn 7**	due by 11:58pm
Feb 8, 2013	Fri	**Asn 8**	due by 11:58pm
Feb 12, 2013	Tue	**Web Quiz 4**	due by 11:58pm
Feb 19, 2013	Tue	**Exam 1 - At CMC Testing Center**	due by 10:58pm
Feb 20, 2013	Wed	**Asn 9**	due by 11:59pm
Feb 22, 2013	Fri	**Asn 10**	due by 11:59pm
Feb 26, 2013	Tue	**Web Quiz 5**	due by 11:59pm
Feb 27, 2013	Wed	**Asn 11**	due by 11:59pm
Mar 1, 2013	Fri	**Asn12**	due by 11:58pm
Mar 5, 2013	Tue	**Web Quiz 6**	due by 11:59pm
Mar 6, 2013	Wed	**Asn 13**	due by 11:59pm
Mar 8, 2013	Fri	**Asn 14**	due by 11:59pm
Mar 11, 2013	Mon	Spring Break	12am
Mar 19, 2013	Tue	**Web Quiz 7**	due by 11:59pm
Mar 20, 2013	Wed	**Asn 15**	due by 11:59pm
Mar 22, 2013	Fri	**Asn 16**	due by 11:59pm
Mar 26, 2013	Tue	**Web Quiz 8**	due by 11:59pm

Apr 2, 2013	Tue	**Exam 2 - At CMC Testing Center**	due by 11:59pm
Apr 3, 2013	Wed	**Asn 17**	due by 11:59pm
Apr 5, 2013	Fri	**Asn 18**	due by 11:59pm
Apr 9, 2013	Tue	**Web Quiz 9**	due by 11:59pm
Apr 10, 2013	Wed	**Asn 19**	due by 11:59pm
Apr 12, 2013	Fri	**Asn 20**	due by 11:59pm
Apr 16, 2013	Tue	**Web Quiz 10**	due by 11:59pm
Apr 17, 2013	Wed	**Asn 21**	due by 11:58pm
Apr 19, 2013	Fri	**Asn 22**	due by 11:59pm
Apr 23, 2013	Tue	**Web Quiz 11**	due by 12:59am
May 1, 2013	Wed	**Final Exam - At CMC Testing Center**	due by 1am

NOTICE:

A student judged to have engaged in academic misconduct as defined in the "Academic Policies and Requirements" section of the Colorado Mountain College Student Handbook will, at a minimum, receive a "zero" for the work in question. The student may also be removed from the class, resulting in a failing grade. All student course material may be submitted to Turnitin (or another anti-plagiarism program) at the instructor's discretion. "Academic Expectations," the "Student Code of Conduct and Judicial Process" and more information about academic misconduct can be found in the Student Handbook, online version at: **www.coloradomtn.edu/File/student_handbook.pdf**.

Students are responsible for course materials from assigned text(s) and reading, lectures, labs, and other assignments as required.

The instructor may alter any, or all, of this syllabus during the semester as the learning environment requires. Students will be notified of changes in the Canvas course shell.

If you have a disability protected by the Americans with Disabilities Act (ADA) and Section 504 of the Rehabilitation Act and feel you may need classroom accommodations based on the impact of your disability, please contact the Disability Services Coordinator on your campus.

- Edwards and Steamboat Springs: Deb Farmer at 970-870-4450
- Aspen, Carbondale, Glenwood Springs (including Spring Valley), and Rifle: Dr. Anne Moll at 970-947-8256
- Breckenridge, Dillon, Leadville, and Chaffee County: Sandi Conner at 719-486-4200

Students wishing to withdraw from this course must INITIATE the course withdrawal/drop process at the site Registration Office.

This class could be cancelled one week prior to the census date if a sufficient number of students are not enrolled by that date.

VI. Grading System & Options:

Information about grading is available in the Colorado Mountain College catalog. You will receive a grade report for current semester courses at the end of each term. This grade report is mailed to your permanent mailing address. Reports are mailed approximately two weeks after the end of the academic term. Additional information is available at:
http://catalog.coloradomtn.edu/content.php?catoid=3&navoid=620#Grading_System_and_Options_

VII. Required Course Materials

1) This course requires the text book AND Access to Webassign (the math help, homework, and quiz system). You can pay for and download both at www.webassign.com. Click on "I have a class key" and enter: **coloradomtn 6742 8403**. You may purchase Webassign bundled with the **e-text** for $75.00 **OR** you may purchase Webassign Access alone ($47.00) and purchase the required **hard copy text book separately**, ISBN 978-0-495-38789-3.

2) A graphing calculator is required for this course. If you choose any version of the TI-83, TI-84, TI -85, or TI-89 calculators, I can help you with questions on how to use them. If you decide to use another type, I may not be able to help you with keystroke questions. (For homework and quizzes, you could even use online graphing calculators or your sophisticated cell phone. Beware, however, that for the proctored Exam 1, Exam 2, and Final Exam, you will not be able to use a cell phone or be able to browse to a site to use an online calculator.)

VIII. Other Information:

Canvas

Canvas by Instructure is the online learning management system (LMS) used by Colorado Mountain College. You access Canvas via your web browser, i.e.: Mozilla/Firefox, Internet Explorer, Opera, etc. Students, faculty and staff members use the CMC Canvas site to access course announcements, documents, research links and library resources, to receive and deliver completed assignments, take tests, and to communicate with each other via email, discussion boards and chat.

For instructions on How to Access your Canvas Account, Canvas How To's, and who to contact for all your Canvas questions and support needs, please visit:
www.coloradomtn.edu/web/departments/faq-for-students.

Student Email

All CMC students enrolled in a credit-based class (0.5 hour credit class or more) will be assigned a CMC student email address through Google mail (Gmail). Please allow at least 48 hours after you register for this account to be activated. For more information on your CMC student email account, please visit the Student page of the MyCMC Portal:

mycmc.coloradomtn.edu.

Proctored Exams

Students taking proctored exams at a Colorado Mountain College location need to plan ahead and adhere to campus hours when taking tests. Appointments should be made at least one week before you would like to take the exam. You must start the exam with enough time to finish before the location closes. Students living outside the physical CMC service area may take proctored exams at alternate test sites. Students needing this option must arrange for an appropriate testing location. Contact the Online Learning office at 970-947-8341 in advance of the desired testing date for more information.

Mutual Respect in CMC Communications: A very important aspect of online learning is respectful communication. The CMC Learning Community is based on the value of mutually respectful communication. Upon enrolling in programs in CMC, students assume responsibility for respectful communications with other students and with course instructors, including communications which do not disrupt the online environment. The definition of disruptive communications is communications which disrupt the learning environment use of profanity and/or insulting or harassing remarks in email, discussions, chat or telephone communications. A student who participates in disruptive communications forfeits the right to further class participation.

Virtual Library Information

http://library.coloradomtn.edu/content.php?pid=349163&sid=2891178

The Virtual Library has its doors open 24/7, providing access to thousands of online journals and newspapers, books and art images, downloadable videos and audio books, career resources and practice tests.

If you need help with the Virtual Library, email reference@coloradomtn.edu or call us at 800-621-8559, extension 2926.

Colorado Mountain College Online Learning

Information is available at: **www.coloradomtn.edu/online_learning/.**