Math 124 College Algebra
Class Number 52116/Section 5001
Room: Web-remote Course
Time: MTWR 6:00 PM – 8:20 PM

Summer 2020 Course Syllabus

Course Information

Instructor Information

- Instructor: Dr. Doug Scheib
- Email: douglas.scheib@csn.edu (preferred mode of communication)
- Office Hours: By appointment via Webex

Course Description:

- Practical applications are the focal point of this course. Topics include equations and inequalities; linear, quadratic, polynomial, exponential and logarithmic functions and their graphs; solutions of systems of linear equations; matrices; and sequences and series.

Prerequisite:

- MATH 096 or MATH 097 both with a Grade of C or Better; or a Satisfactory ACT/SAT/Placement Test Score.

Textbook & Course Materials:

- College Algebra (MyMathLab 18wk SAlone Access Code), 7th Edition by: Blitzer; ISBN: 9780135902110
- MyMathLab Course ID: scheib55355
    - MyMathLab registration instructions can be found here.
    - Students can obtain temporary, 14-day access to MyMathLab before needing to pay for access for the entire semester. To obtain temporary access, when registering at www.pearsonmylabandmastering.com, select the option for "Temporary Access" at the bottom of the payment page. Follow the directions for access to MyMathLab for 14 days and keep the emails that explain how to pay for access for the duration of the semester.

Website & Communication:

- I will maintain a course website at www.drdougmath.com. Students should know the following about the course website.
    - I will post announcements, the contents of which students will be responsible for, on the course website.

    - I may send more urgent information/messages to students' CSN email.
    - I will post links to supplemental videos on the course website.
        - Students are **not** required to watch these videos; they are provided in case students feel they would benefit from high-quality instruction beyond what is provided in MyMathLab in order to master the concepts in the course.
        - Some videos may be labeled as being associated with a certain grade level. This grade level refers to when students are first introduced to the ideas presented in the video and do **not** reflect the level of students in this course. It is expected that students have previously been introduced to the topics in these videos and this course is a review/refresher for students who have not studied these topics in a while.
- I may also post handouts, exam information, or other resources or information on the course website.
- Students will be responsible for information and content posted on the course website and send via email, so they should check the course website and their CSN email at least once per day for course updates.

Calculator:

- A scientific calculator is needed periodically throughout the course. The TI-30XS Multiview is highly suggested, but not required. The TI-30XIIS is also a good calculator choice. Students may use a graphing calculator in this course, but they are not expected to purchase one and the course is designed not to need one. Students might not be allowed to use a graphing calculator in future math courses, which they should consider before purchasing a graphing calculator for this course. On exams, if students are asked to submit their work, students might receive partial or no credit for work done on a graphing calculator without supporting work demonstrating the student's thought process and demonstrating the student would be able to correctly go through the steps to answer the question without the graphing calculator.

Objectives

Outcomes: At the end of the course, students will be able to:

- solve equations and inequalities
- graph linear, exponential, polynomial, absolute value, square root, piecewise defined, and logarithmic functions
- analyze properties of functions
- solve systems of linear equations in two and three variables using the substitution, addition, and/or matrix method
- solve problems involving matrices, sequences, and series
- apply and extend all concepts

Grading Policy

Quizzes:

- There will be seven quizzes throughout the semester in MyMathLab. The due dates and coverage for each quiz are listed below. Quizzes are due by 11:59 PM on their due date. The due date and/or coverage of each quiz are subject to change. Students will be able to take each quiz up to three times to improve their grade.
- Make-up policy: There will be NO quizzes accepted after the due date and NO make-up quizzes; however, the lowest quiz score will be dropped. This dropped quiz score only applies

to one quiz.
- Each quiz exam is worth 2.5% of the final grade for a total of 15% of the final grade.
- Quiz due dates and coverage (subject to change)
    - Quiz #1: Sunday, June 7th – Sections P.2 – P.3, P.5 – P.6, 1.1 – 1.4
    - Quiz #2: Sunday, June 14th – Sections 1.5 – 1.7
    - Quiz #3: Sunday, June 21st – Sections 2.1 – 2.4
    - Quiz #4: Sunday, June 28th – Sections P.4, 2.5 – 2.7, 3.1 – 3.2, 3.7
    - Quiz #5: Sunday, July 5th – Sections 4.1 – 4.2
    - Quiz #6: Sunday, July 12th – Sections 4.3 – 4.5, 5.1 – 5.2, 5.5
    - Quiz #7: Sunday, July 19th – Sections 8.1 – 8.3

Tests:

- There will be three midterm exams throughout the semester. The due dates and coverage for each exam are listed below. Exams are due by 11:59 PM on their due date. The due date and/or coverage of each exam is subject to change. There will also be a **mandatory, cumulative final exam** due on the last day of class.
- Students may be required to take exams using Respondus Monitor or online proctoring.
- Make-up policy: There will be NO exams accepted after the due date and NO make-up exams; however, the final exam score will replace the lowest midterm exam score, provided the final exam score is higher than the lowest midterm exam score. This replacement score only applies to one midterm exam.
- Each midterm exam is worth 15% of the final grade for a total of 45% of the final grade. The final exam is worth 25% of the final grade.
- Students may be required to submit written answers and work either by scanning their work or taking pictures with a mobile device. In order to receive full credit on exams, be sure to **show *all* work**. An incorrect answer with supporting work can earn you more points than a correct answer with insufficient work. This applies to answers obtained on a graphing calculator without work demonstrating you know how to correctly obtain the answer without the graphing calculator. Remember that the onus is on you to demonstrate that you know the material and know what you are doing.
- Exam due dates and coverage (subject to change)
    - Exam #1: Monday, June 15th – Sections 1.1 – 1.7
    - Exam #2: Tuesday, June 30th – Sections 2.1 – 2.7, 3.1 – 3.2, 3.7
    - Exam #3: Monday, July 20th – Sections 4.1 – 4.5, 5.1 – 5.2, 5.5, 8.1 – 8.3
    - Final Exam: Thursday, July 23rd – All sections
- Material covered in the Prerequisite chapter (Chapter P) will not be covered on the exams, although it will be covered in the homework and quizzes.

Homework:

- Your homework will be done online in MyMathLab. To access the homework, you'll need the Course ID listed above. Homework will be due at 11:59 PM on Sundays. Extensions will not be given, even in cases of technical issues or emergency, so be sure you work on your homework far enough in advance of the due date that any unexpected issues don't prevent you from completing your homework on time. Students can do each homework assignment as many times as they'd like to improve their grade.
- There will be some homework assignments labeled as "optional." These optional assignments will contain videos created by Pearson, who owns MyMathLab and will not count for a grade. Students are encouraged to watch these videos to supplement their learning, although they are not required to do so.
- Homework is worth 15% of the final grade.

Grading Scale:

Final grades assigned for this course will be based on the combined percentages of the three midterm exams, the final exam, and homework. Final grades will be assigned as follows:

Letter Grade:	Percentage:
A	90 – 100%
B+	88 – 89.9%
B	80 – 87.9%
C+	78 – 79.9%
C	70 – 77.9%
D+	68 – 69.9%
D	60 – 67.9%
F	Below 60%

Policies:

Cell Phones and other Electronic Devices:

Cell phones and all other electronic devices that have another function aside from just being a calculator are not permitted on exams.

Attendance:

Most of the course will be completed by students asynchronously (in other words, on their own schedule); however, I will hold live meetings for each Exam Review, which will be recorded and posted on the course website for anyone who is unable to attend live. The dates of the Exam Reviews can be found in the schedule below. Exam Reviews will be held at 6:00 PM and will last until 8:20 PM or until there are no more questions, whichever comes first. Exam Reviews will be held in Webex at the following link:
https://csnedu.webex.com/csnedu/j.php?MTID=mce95a481fac23334ba3f6ffd4c29f6a9

Honesty:

Academic dishonesty of any kind will not be tolerated. Any incident of academic dishonesty will be reported to the College's Administration, and the most serious course of action will be recommended as per CSN's Academic Integrity Policy.

Services:

Centers for Academic Success (CAS):

Centers for Academic Success (CAS) provides quality DROP-IN academic assistance to all students enrolled in for-credit courses at CSN. CSN CAS Tutors are found in Smarthinking, which is accessed through Canvas. To work with CSN tutors in Smarthinking choose “Work with a Tutor or Career Coach” and then choose your subject of choice with “CSN” in the subject title. If you don’t have time for a live session you may choose “Submit a Question” to drop off a question and a tutor will respond to it as soon as possible. Academic learning support includes assistance with learning strategies, Canvas, Smarthinking online tutoring, Microsoft Office, reading, writing, oral presentations, math, and science. CAS tutors also provide support to study groups and assistance for placement test preparation in reading, writing, and math. CAS is open Monday through Sunday to be more accessible to all students. CAS hours are Monday – Thursday 9:00 am to 6:00 pm and Friday – Sunday 11:00 am

to 4:00 pm. Smarthinking tutors are available 24/7. You may visit www.csn.edu/centers-academic-success for more details. You may also contact us at one of our offices: Charleston Centers (651-5732), North Las Vegas Learning Commons (651-4232), Henderson Learning Commons (651- 3125).

*****Students will receive notification when on-ground tutoring services resume**.**

Here is a link to a video on how to access CSN CAS Tutors/Learning Assistants in Smarthinking: How to Access CSN Tutors in Smarthinking.

Disability Resource Center:

If you have a documented disability that may require assistance, you will need to contact the Disability Resource Center (DRC) for coordination of your academic accommodations. The DRC is located in Student
Services on each campus. For Henderson the number is 651-3795, and the Cheyenne number is 651-4045.
Contact Information:
CHARLESTON Bldg. D – Room 116, 651-5644;
HENDERSON Bldg. B – Student Services Area, 651-3795.
NORTH LAS VEGAS Bldg. E- Room 120N, 651-4045

Libraries:

The libraries offer workshops throughout the semester for help on research topics. For the schedule call 702-651-5729 or go online: Library

*****The instructor reserves the right to change the syllabus during the semester if needed.

Tentative Schedule

Week	Day	Date	Section	Assignment: Due Date
1	M	6/1	P.5: Factoring Polynomials P.6: Rational Expressions	HW: Sunday, 6/7
	Tu	6/2	1.1: Graphs and Graphing Utilities 1.2: Linear Equations and Rational Equations	HW: Sunday, 6/7
	W	6/3	1.3: Models and Applications P.2: Exponents and Scientific Notation	HW: Sunday, 6/7
	Th	6/4	P.3: Radicals and Rational Exponents 1.4: Complex Numbers	HW: Sunday, 6/7
			Quiz #1 (Sections P.2 - P.3, P.5 - P.6, 1.1 - 1.4)	**Quiz: Sunday, 6/7**
2	M	6/8	1.5: Quadratic Equations	HW: Sunday, 6/14
	Tu	6/9	1.6: Other Types of Equations	HW: Sunday, 6/14
	W	6/10	1.7: Linear Inequalities and Absolute Value Inequalities	HW: Sunday, 6/14
	Th	6/11	**Exam #1 Review**	
			Quiz #2 (Sections 1.5 - 1.7)	**Quiz: Sunday, 6/14**
3	M	6/15	**Exam #1 (Sections 1.1 - 1.7)**	**Exam: Monday, 6/15**
	Tu	6/16	2.1: Basics of Functions and Their Graphs	HW: Sunday, 6/21
	W	6/17	2.2: More on Functions and Their Graphs 2.3: Linear Functions and Slope	HW: Sunday, 6/21

	Th	6/18	2.4: More on Slope	HW: Sunday, 6/21
			Quiz #3 (Sections 2.1 - 2.4)	**Quiz: Sunday, 6/21**
4	M	6/22	2.5: Transformations of Functions	HW: Sunday, 6/28
	Tu	6/23	2.6: Combinations of Functions; Composite Functions	HW: Sunday, 6/28
			2.7: Inverse Functions	
	W	6/24	P.4: Polynomials	HW: Sunday, 6/28
			3.1: Quadratic Functions	
	Th	6/25	3.2: Polynomial Functions and Their Graphs	HW: Sunday, 6/28
			3.7: Modeling Using Variation	
			Quiz #4 (Sections P.4, 2.5 - 2.7, 3.1 - 3.2, 3.7)	**Quiz: Sunday, 6/28**
5	M	6/29	**Exam #2 Review**	
	Tu	6/30	**Exam #2 (Sections 2.1 - 2.7, 3.1 - 3.2, 3.7)**	**Exam: Monday, 6/29**
	W	7/1	4.1: Exponential Functions	HW: Sunday, 7/5
	Th	7/2	4.2: Logarithmic Functions	HW: Sunday, 7/5
			Quiz #5 (Sections 4.1 - 4.2)	**Quiz: Sunday, 7/5**
6	M	7/6	4.3: Properties of Logarithms	HW: Sunday, 7/12
	Tu	7/7	4.4: Exponential and Logarithmic Equations	HW: Sunday, 7/12
			4.5: Exponential Growth and Decay; Modeling Data	
	W	7/8	5.1: Systems of Linear Equations in Two Variables	HW: Sunday, 7/12
			5.2: Systems of Linear Equations in Three Variables	
	Th	7/9	5.5: Systems of Inequalities	HW: Sunday, 7/12
			Quiz #6 (Sections 4.3 - 4.5, 5.1 - 5.2, 5.5)	**Quiz: Sunday, 7/12**
7	M	7/13	8.1: Sequences and Summation Notation	HW: Sunday, 7/19
	Tu	7/14	8.2: Arithmetic Sequences	HW: Sunday, 7/19
	W	7/15	8.3: Geometric Sequences and Series	HW: Sunday, 7/19
	Th	7/16	**Exam #3 Review**	
			Quiz #7 (Sections 8.1 - 8.3)	**Quiz: Sunday, 7/19**
8	M	7/20	**Exam #3 (Sections 4.1 - 4.5, 5.1 - 5.2, 5.5, 8.1 - 8.3)**	**Exam: Monday, 7/20**
	Tu	7/21	**Final Exam Review**	
	W	7/22	**Final Exam Review**	
	Th	7/23	**Final Exam (All Sections)**	**Exam: Thursday, 7/23**