

Instructor: Dr. Tom Cuchta
Email: tcuchta@fairmontstate.edu
Time: MW 10:00-10:50; TR 9:30-10:45
Location: ET 436
Office: ET 423
Drop-in office hours: Please see my website for the times when I have scheduled my daily office hours: <http://tomcuchta.com>. Office hour times may change without notice; the website will always contain my current official schedule. Alternate times may always be scheduled by email.

Class webpage: <http://tomcuchta.com/teach/classes/2022/MATH1430-Fall2022-FairmontState/>

Textbook: College Algebra+Integrated Review, Author: Sisson; ISBN: 9781642772869

Course description: This course fulfills the same requirements as MATH 1530 - College Algebra and is intended for students who do not meet the prerequisites for MATH 1530. The course will cover all content included in MATH 1530, as well as provide integrated academic support. This course includes the study of real numbers, complex numbers, algebraic expressions, equations and inequalities, functions and function operations, composition of functions, inverse functions, graphing and transformation of functions, exponents and radicals, quadratic, exponential, and logarithmic functions, and applications. It will also reinforce fundamental algebraic concepts and review prerequisite topics, such as evaluating expressions, graphing and functions, linear equations, factoring, and geometric concepts, as deemed necessary.

Prerequisites: none

Tech requirements: Written homework will be regularly submitted to Blackboard. Online homework will be done via Hawkes. Scientific (not graphing) calculators may be used on any homework. Calculators will generally not be allowable on quizzes or exams.

Course delivery: Our course will meet in-person. There will be no synchronous streaming.

Attendance policy: Attendance itself will *not* be recorded for a grade. If a class is missed, then it is the *student's responsibility* to find out what was missed.

Regular Exams: There will be five regular exams and a final exam in this course. Each regular exam may be retaken (with different questions of course) at most once at the LEAD Center for a higher grade. Any exam retake must occur *before the next exam occurs*.

Final Exam Rules: To maintain the letter grade you earned before the final, you must earn within 5% of that same grade on the final exam to maintain that grade (e.g. if you have an "A", you must get at least 85% on the final). If you fail to meet this, then your grade will drop by one letter grade. If you receive a higher letter grade on the final than your grade going in, then your final grade will be raised by one letter grade. If you do not take the final exam, then you will receive an "F" in the course.

Grade prior to final	Final exam grade	Your final grade
A	85%–100% <85%	A B
B	>90% 75%–89.99% <75%	A B C
C	>80% 65%–79.99% <65%	B C D
D	>70% 55%–69.99% <55%	C D F
F	>60% <60%	D F
ANY GRADE	0%	F
ANY GRADE	<40%	Instructor discretion

Coursework:

You will receive work in this course in various “grade categories”, described on the next page. The following standard scale applies to exams and online homework:

Grade	Percentage
A	≥90% of points
B	≥80% of points
C	≥70% of points
D	≥60% of points

Your quiz work and written homework will be given on a grade as follows:

A	B	C	D	F
+4 points	+3 points	+2 points	+1 point	+0 points

- “A” (+4) – excellent; perfect submission, no errors;
- “B” (+3) – good; nearly perfect maybe with some errors (e.g. arithmetic);
- “C” (+2) – some problems; there are some issues but you are on the right track;
- “D” (+1) – tried; there are fundamental issues or misunderstandings but it is clear that you made an honest attempt; and
- “F” (+0) – not gradable; does not seem to contain an honest attempt at the work.

Written homework:

Written homework is comprised of problems that will be assigned on the class webpage and submitted through Blackboard. Generally speaking, there will be approximately one such assignment per week of class. Grades of B, C, D, or F will receive feedback from the instructor that must be addressed if the student chooses to revise the submission. Revisions of written homework may be submitted until the end of the 5 weeks period **after** it was assigned. Revisions must come with a reflection essay, at least two paragraphs long, containing **both** a description of what went wrong with the student’s thinking and approach in the first submission **and** a description of what was done to improve it in the resubmitted version. Only problems identified in the feedback need to be revised, but the **whole** problem should be rewritten (not just “corrected”). Improperly formatted revisions will be returned with the grade of F. The highest score among all submissions will be the one that counts for the grade.

Online work:

Online homework will be administered through Hawkes. You can access Hawkes by going to Blackboard and going to the “Course Content” tab. You will get 21 days of access at the beginning of the semester for free, but after this point, you must have purchased the access code to continue using the online homework. You can purchase your access code through the bookstore – it is inadvisable to buy anywhere else. Homework may be attempted an infinite number of times at no penalty to you.

Quizzes:

Quizzes will be regularly given in class and will not be announced in advance. You may retake a quiz up to two times through LEAD Center proctoring.

Final grade:

Each grade category (written HW+quizzes, online HW, exams) will receive a letter grade for each 5 week period based on the work that was due in that 5 week period. The ultimate “5 week period” grade will be the lowest grade among all categories for that period. Your final grade in the course will be the lowest of your grades from the three 5 week periods. For example, consider the following chart of possible grades in a semester:

5 Wk. Period	Written HW + Quizzes	Online HW	Exams	Total Grade
1	C	B	A	C
2	B	A	A	B
3	A	A	A	A

In that case, the final grade in the course is a “C” (the lowest grade in the rightmost column). The Learning Enrichment and Academic Development Center (LEAD) is located on the second floor of the library and provides students with free support resources, including learning assistance in a wide range of courses. The LEAD Center opens no later than the second week of classes. To book an appointment, see more information on services, hours, or a list of current workshops, visit <https://www.fairmontstate.edu/academics/lead-center>. You may also contact the coordinator Brittany Cuchta at lead@fairmontstate.edu.

LEAD Center:

- Cheating:** I encourage you to work together, to attend tutoring, and to seek out help from me. However, copying the work of others and not putting in an honest effort yourself is not acceptable. If you are caught cheating on any assignments, then you will forfeit any points on that assignment with no possibility of revision. If you are caught cheating more than once, then you may receive an “F” in the course.
- Safety:** We follow the university guidelines, which may change as the semester progresses. See the current university policy pertaining to the coronavirus here: <https://www.fairmontstate.edu/coronavirus>. Those who prefer to always wear a mask are encouraged to do so.
- Student handbook:** <http://www.fairmontstate.edu/publications/campushandbooks/studenthandbook/default.asp>
- Accessibility support:** Accessibility services are available to any student, full or part-time, who has a need because of a documented disability. It is the student’s responsibility to register for accessibility services and to provide any necessary documentation to verify the need for accommodations. Students must provide their professors with a copy of their academic accommodation letter each semester in order to receive accommodations. Faculty, students, and the Office of Accessibility Services must cooperate to ensure the most effective provision of accommodations for each class.
The Office of Accessibility Services is located in 237 Hardway Hall. For additional information, please call (304) 367-4543.
- Learning outcomes:** All learning outcomes will be assessed via in-class quizzes.
1. Model and solve real world problems involving both linear and non-linear functions.
 2. Demonstrate appropriate symbolic manipulation skills to solve both linear and non-linear equations/inequalities.
 3. Use the language of math to define, evaluate, and analyze characteristics of functions.
 4. Interpret mathematical knowledge to graph and analyze both linear and non-linear functions /relations.

Estimated Math 1430-003 Calendar Fall 2022

Week	Sections
8 Aug – 12 Aug	1R1, 1R2, 1R3
15 Aug – 19 Aug	1.1, 1.2, 7R1, 7R2
22 Aug – 26 Aug	3R3, 3R4 25 August – EXAM 1
29 Aug – 2 Sep	1.5, 1.6, 1.7
5 Sep – 9 Sep	1.8, 2.1, 2.2 NO CLASS 5 September (Labor Day)
12 Sep – 16 Sep	2.3, 2.5, 2.6, 3.1 15 September – EXAM 2
19 Sep – 23 Sep	3.2, 3.3, 3.4
26 Sep – 30 Sep	3.5, 9R1 (PROFESSOR OUT OF COUNTRY, VIDEO LECTURES WILL BE PROVIDED)
3 Oct – 7 Oct	3.6, 9R2, 9R3 6 October – EXAM 3
10 Oct – 14 Oct	4R1, 4.2, 4.3
17 Oct – 21 Oct	4.4, 5.1 20 October – EXAM 4
24 Oct – 28 Oct	5.2, 5.3, 5.4
31 Oct – 4 Nov	7.1, 7.2, 7.3
7 Nov – 11 Nov	7.4, 7.5 10 November – EXAM 5
14 Nov – 18 Nov	FINAL EXAMS starting 15 November