

Instructor: Dr. Tom Cuchta
Email: tcuchta@fairmontstate.edu
Time: 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/2023/MATH4580-Spring2023-FairmontState/>
Textbook:
Course description: This course consists of the study of topological spaces and notions, including continuity, convergence, separation, compactness and connectedness.
Tech requirements: Written homework will be regularly submitted to Blackboard.
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.
Exams: There will be three regular exams and a final exam in this course.
Coursework: You will receive work in this course in various “grade categories”, described on the next page. The following standard scale applies:

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

The grading scale is 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 work: 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 assignments 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. **Written work that contributes to the problems of any exam must be first submitted within 1 week of that exam occurring (with the obvious exception of the final exam).** 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.

Quizzes: Quizzes will be regularly given in class and will not be announced in advance. Expect about one quiz per week, but occasionally more.

Presentations: Our class will be run with the “Moore method” meaning that definitions and theorems will be given to the students who will prove them for the class. **No external resources are allowed for these problems, but I do encourage you to work together!** Completed proofs should be uploaded to the Blackboard discussion board for others. Expect some proofs from these presentations to appear on exams. If a presentation has numerous errors, then they will be discussed by the class for the presenter to correct and present again. Expect about 1-2 of these per week in class.

Final grade: Each grade category (written HW+quizzes, presentations) will receive a letter grade for each 5 week period based on the work that was due in that 5 week period compared to the grading scale. Consider the following chart of possible grades in a semester:

5 Wk. Period	Written HW + Quizzes	Presentations	Total Grade
1	C (+2)	B (+3)	+5
2	B (+3)	A (+4)	+7
3	A (+4)	C (+2)	+6

The four exam scores (three exams + one final counting double) contribute another possible 20 points. The total in the last column in the table plus the points from exams are divided by 44 to obtain the percentage score for the course. For example, if the student obtained the following scores on exams: A, B, C, B, then they gained an additional $4+3+2+3*2=15$ points along with their $5+7+6=18$ to get $15+18=33$ points out of a possible 44 which is 75%, a C.

LEAD Center: 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.

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.

Estimated Math 4580-001 Calendar Spring 2023

Week	Sections
16 Jan – 20 Jan	16 January: <i>MLK Day – no classes</i>
23 Jan – 27 Jan	
30 Jan – 3 Feb	
6 Feb – 10 Feb	10 February: <i>EXAM 1</i>
13 Feb – 17 Feb	
20 Feb – 24 Feb	
27 Feb – 3 Mar	
6 Mar – 10 Mar	<i>SPRING BREAK – NO CLASSES</i>
13 Mar – 17 Mar	
20 Mar – 24 Mar	24 March: <i>EXAM 2</i>
27 Mar – 31 Mar	
3 Apr – 7 Apr	
10 Apr – 14 Apr	
17 Apr – 21 Apr	21 April: <i>EXAM 3</i>
24 Apr – 28 Apr	
1 May – 5 May	1 May: <i>LAST REGULAR DAY OF CLASSES</i> 2 May–5 May: <i>FINAL EXAMS</i>