



Trigonometry and Elementary Functions

Math 1115-02 || CRN: 8190 || Fall 2016

- Instructor:** Dr. Tom Cuchta (call me Tom)
- Time:** 9:30-10:45 TR
- Location:** HH 305
- E-mail:** tcuchta@fairmontstate.edu
- Office hours:** I have regular open door office hours posted on my website <http://tomcuchta.com>.
Alternative office hours may also be scheduled via e-mail.
- Office:** ET 423
- Class Webpage:** All information will be posted to our class webpage:
<http://tomcuchta.com/teach/classes/2016/MATH-1115-Fall-2016-FairmontState/>
All information will also be replicated in the class Moodle page.
- Textbook:** *Trigonometry: A Unit Circle Approach, 9th Edition* by Sullivan || ISBN 0-321-71657-4 or 978-0-321-71657-6)
- Course Description:** This course includes a study of circular and trigonometric functions and applications, trigonometric identities, equations and graphs of circular functions, functions and inverse functions, vectors, and other related topics.
- Prerequisites:** MATH ACT score of 23 or MATH SAT of 540 or COMPASS score of 63 or a C or better in MATH 1112.
Students without appropriate prerequisites will be dropped.
- WvEBTrig credit:** Students with high school WvEBTrig credit of a C or better, should enroll in a higher level math class and have the credit transferred to FSU from the sponsoring university. Enrollment in Math 1115 would be considered an illegal repeat if the class has already been passed with a C or better. Please see instructor before add period ends.
- Calculator policy:** Calculators may be needed for some homework problems. They will *not* be permitted for use on any exam.
- Attendance policy:** Every class meeting should be attended by the student in its entirety, but attendance will not be recorded for a grade. If a class is missed, it is *the student's* responsibility to find out what was missed and to pick up any returned work.
- Homework:** When homework is assigned, it will be announced in class, posted on the class webpage, and posted on Moodle. Only the top 10 scores from homework will contribute to the student's final grade.
Homework will consist of book problems and sometimes additional problems that I write independently from the book. Homework will be graded as follows: each homework submission will be worth 10 points. I will randomly pick between two and four problems in each assignment to grade, but I will not tell you which ones will be graded in advance. I will also provide full solutions to all graded homework. Overall completion may contribute to the grade of an individual homework.
- Exams:** There will be three one hour exams in this course each worth 100 points. See the calendar below for exam dates.
- Final exam:** The final exam will be comprehensive and will be worth 200 points.
- Make-up exam policy:** If an exam is to be missed due to an excused absence (as defined in the student handbook), then it is the *student's responsibility* to arrange an alternative time to take the exam at least one week before the exam is given. In such a case, the student will complete an equivalent exam at an alternate time *before* the normal exam time. If the student misses an exam due to an unexcused absence, the exam may be replaced with the percentage earned on the final exam. The unexcused absence policy only applies *only once*, so further exams missed due to unexcused absences yield a score of zero.
- Extra credit policy:** Extra credit opportunities may be available throughout the course and will be announced through the usual channels. Points earned through extra credit will be simply added to the final score earned by homework and exams.

		Grade	Point Range	
Grading policy:	Hour exams	300 points	A	$540 \leq \mathbf{Points Earned} < 600$
	Final exam	200 points	B	$480 \leq \mathbf{Points Earned} < 540$
	Homework	100 points	C	$420 \leq \mathbf{Points Earned} < 480$
	Total points:	600 points	D	$360 \leq \mathbf{Points Earned} < 420$
			F	$0 \leq \mathbf{Points Earned} < 360$

- Tutoring assistance:** See Fairmont State's tutoring services at <http://www.fairmontstate.edu/academics/tutoring-services>
See Pierpont's tutoring services at <https://pierpont.edu/ac/campuslife/support/tutoring>
- Student handbook:** <http://www.fairmontstate.edu/publications/campushandbooks/studenthandbook/default.asp>
- Disability support services:** Disability 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 disability services and to provide any necessary documentation to verify a disability or 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 Disability Services must cooperate to ensure the most effective provision of accommodations for each class.

The Office of Disability Services is located in suite 316 of the Turley Student Services Center. For additional information, please call (304) 333-3661.

Math 1115-02 Calendar Fall 2016

Week	Material Covered
15 Aug – 19 Aug	§2.1, §2.2
22 Aug – 26 Aug	§2.3, §1.5
29 Aug – 2 Sept	§1.6, §2.4, §2.5
5 Sept – 9 Sept	NO CLASS – Labor Day (<i>5 September</i>) §2.5, §2.6
12 Sept – 16 Sept	Review halfday (<i>13 September</i>) Exam 1 (<i>15 September</i>)
19 Sept – 23 Sept	§3.4
26 Sept – 30 Sept	§3.1
3 Oct – 7 Oct	§3.2 NO CLASS – Fall Holiday (<i>7 October</i>)
10 Oct – 14 Oct	§3.5, §3.6
17 Oct – 21 Oct	Review halfday (<i>18 October</i>) Exam 2 (<i>20 October</i>)
24 Oct – 28 Oct	§3.3
31 Oct – 4 Nov	§4.1, §4.2, §4.3
7 Nov – 11 Nov	§4.4, §5.1
14 Nov – 18 Nov	Review halfday (<i>16 November</i>) Exam 3 (<i>18 November</i>)
21 Nov – 25 Nov	THANKSGIVING BREAK
28 Nov – 2 Dec	§5.4 Review day (<i>1 December</i>)
5 Dec – 9 Dec (Finals Week)	FINAL EXAM occurs on 8 December 2016 at 8:00 AM