

Instructor: Dick Trudgeon
Samuelson 228C

963-1527
richard.trudgeon@cwu.edu

Math 153

Winter 2022

Office Hours: M-F 8-8:50, 10-11:50 and by arrangement

Special points of interest:

- Online homework is assigned from WAMAP (a free program) and will be worth about 290 points.
- Suggested book problems are to prepare you for online homework. Ask questions about these in class.
- We will have several group homework assignments worth about 132 points.
- A handwritten 3 x 5 note card may be used on tests.
- We will have 3 100-point exams and a final worth 150 points. All tests are cumulative.
- The first 3 tests may be retaken outside of class time at times arranged by the instructor.
- All due dates and test dates will be posted on Canvas.
- Grades are based on total point percentages, calculated to the nearest whole number.

A=93-100%, A-=90-92%, B+=87-89%, B=83-87%, B-=80-82%, C+=77-79%, C=73-76%, C-=70-72%, D+=67-69%, D=63-66%, D-=60-62%, F=<60%

Course Summary

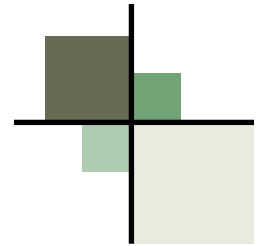
Precalculus I is a course that helps prepare students to take Calculus and Calculus-based science courses. Tests and homework assignments reflect the ability of students to handle rigorous assessments at the university level. Basic course goals include:

- Analyzing functions and equations numerically, algebraically, and graphically
- Modeling real-world problems with appropriate functions
- Understanding the transformation of functions and connection between

functions.

- Using technology to help solve problems, experiment, interpret results and verify conclusions.
- Determining the reasonableness of solutions, including sign, size, relative accuracy, and units of measurement.
- Appreciating that the procedure for solving a problem is as important as the answer, and that a variety of procedures can be used to solve most problems.
- Communicating

knowledge in both everyday and mathematical language.



Necessities

1. Come to class. Math requires a daily commitment to become successful.
2. The required text is Precalculus An Investigation of Functions, by Lippman et al. (A free open-share text.) You should also have a graphing calculator. (I will be using a TI-84), a ruler, and graph paper. You may also use Desmos as your graphing utility.
3. Get yourself the help you

need. I am more than happy to help you as much as possible. Beyond that, form study groups or get a study partner, and take advantage of the math center here on campus.

4. Do your online homework on time.
5. Participate in class discussions. The best learning takes place when students ask questions.
6. Mutual respect must

take place at all times in this classroom. At no time will any type of bullying, harassment, or discrimination be allowed.

7. Students with special needs should contact me and the Center for Disability Services in Hogue Hall 126.

Assigned Problems

Section	Exercises and Problems
	<u>Covered in Class</u>
1.1	3,5-7,11-17 odd, 21,23,27,31,40
1.2	1, 5-13 odd, 17-23 odd,31-35 odd
1.3	1-5 odd,9,17-29 odd, 33-41 odd
1.4	1-7 odd,13,15,21-27 odd,33-37 odd
1.5	11,13,21-25 odd,26-30,35-39 odd, 40,51-56,57-67 odd,68-73,75-85 odd,99
1.6	1-9 odd,13-23 odd
3.1	1-33 odd
3.2	1-15 odd,27-33 odd,34,37
3.3	1-21 odd,31,33,37-43 odd
3.4	1,5-11 odd,21,25
3.5	1-19 odd,23-29 odd
3.6	1-41 odd
3.7	5-13 odd,39-43 odd,
4.2	1-6,11-16,23,27,29-32
4.3	1-11 odd,15,17,23-49 odd
4.5	1-7 odd,17-21 odd
4.4	1,7-13 odd,17,20,27-41 odd