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# Math 154

## Winter 2021

Office Hours: M-F 11-12; 12-12:50 and by arrangement

### Special points of interest:

- Online homework is assigned from WAMAP (a free program) and will be worth about 270 points.
- We will have some group homework assignments worth about 165 points.
- We will have 3 100-point exams and a final worth 150 points. All tests are cumulative.
- The first 3 tests may be retaken on a given day at times arranged by the instructor.
- All due dates will be posted on Canvas.
- Grades are based on total point percentages, calculated to the nearest whole number.

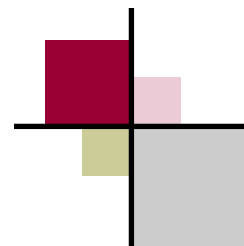
A=93%, B=83%, C=73%, D=63%

(As an example, 80-82% would be a B-; 83-86% would be a B; 87-89% would be a B+)

### Course Summary

Precalculus II is a course that helps prepare students to take Calculus and Calculus-based science courses. This course stresses the mastering of Trigonometric functions. 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. Watch all videos and attend office hours as needed. Do homework every day. Math courses require a daily commitment to become successful.
2. The required text is [Precalculus \(2ndEd. For CWU\)](#) by Sullivan.
3. You must also have a graphing calculator. ( I will be using a TI-84 and Desmos.)
4. Get yourself the help you need. I am more than happy to help you as much as possible.
5. Participate in discussions. The best learning takes place when students ask questions.
6. Mutual respect must take place at all times. At no time will any type of bullying, harassment, or discrimination be tolerated.
7. Students with special needs should contact me and the Center for Disability Services.

## Suggested Textbook Practice

Section	Exercises
8.1	10,13,20,22,29,33,37,39
8.1	52,54,57,58,62,67,69
6.1	35,38,39,47,49,54,59,63,66,67
6.1	72,73,79,81,87,95
6.2	21,22,31,35,42,47,49,68,70,77,78,84
8.2	9,25,35,37,39,40
8.3	9-15 odd,45-49 odd
6.3	35,39,42-45,50,52
7.4	22,25-31 odd,37,44,50
7.4	58,60,69,72,81,101,104
6.4	13-17 all,24-32 even,33-41 odd,
6.4	62-70 even,90
6.5	17,18,22,26,28
6.6	3-11 odd,29,31,33**
7.3	13,14,17,23,26,37,41,43-45 all
7.3	47,48,51,58-61,63,73,74
7.3	84-92 even
8.4	7,11,15,17,42,44
7.5	14-20 even,26,28,49,50,60
7.6	10,11,14,22,26,27,74
7.7	1-6 all
9.1	11-18,42-50 even,58-64 even,70-74 even,77-82
9.2	15-30
9.4	12-18 even,29-33 odd,38,42,44
9.5	Resolving Vectors WS

\*\*Find horizontal shift; May use +/- sin or cos for model