
MATH 153 – FALL 2019 – SECTION: 153 - 006
GAVIN ARMSTRONG – PRE-CALCULUS MATHEMATICS I

CLASS MEETING: 12:00 - 12:50
Monday, Tuesday, Wednesday, Thursday, Friday
Samuelson 105

OFFICE HOURS: Monday: 09:00 - 10:50
Tuesday: 15:00 - 15:50
Wednesday: 15:00 - 15:50
Friday: 15:00 - 16:00.

OFFICE: Samuelson 218J

EMAIL: Gavin.Armstrong@cwu.edu

LEARNING OUTCOMES:

This course will focus on the following topics:

- Identifying and describing elementary functions such as linear, quadratic, exponential, logarithmic, polynomial, and rational functions.
- Working with these functions from multiple perspectives including algebraic, numerical, graphical, and verbal representations.
- Identifying and formulating graphical properties of these functions.
- Identifying and describing the affects of algebraic transformations on these functions.

MATERIALS:

- There is **no** required *textbook* for this section of Math 153. Digital copies of my notes will be made available on Canvas as the course progresses. Complementary discussion of the material for this course can be found in the following books:

– *Precalculus*, M. Sullivan.

– *Precalculus*, J. Abramson. This is a free book and is available online:

<https://openstax.org/details/books/prec calculus>

But neither book is required and neither will be referenced from here on out.

- A scientific *calculator* is strongly recommended for this class. By “scientific calculator” I mean a calculator that has “ $\log(x)$ ” and “ $\exp(x)$ ” functions. A graphing calculator is not required (although it is allowed).
- I suggest that you bring *paper* to each class to take notes or to use as scratch paper.

CANVAS:

Course grades, announcements, relevant materials, as well as notes will all be available on the Canvas site for this course. If you find any issues with the files on Canvas, then please let me know.

<https://canvas.cwu.edu/>

GRADING:

Course grades for this class will be weighted as follows:

Homework	25%
Worksheets	20%
Quizzes	25%
Final Exam	30%

Grade assignments will be made as follows:

F	D-	D	D+	C-	C	C+	B-	B	B+	A-	A
< 60	60-62	63-66	67-69	70-72	73-76	77-79	80-82	83-86	87-89	90-92	93-100

HOMEWORK:

Each week's material will have an accompanying homework assignment on WeBWorK, due at the end of the following week. You will have an unlimited number of attempts at WeBWorK questions before the due date. If you have questions about WeBWorK homeworks I will be available to help through email or in office hours.

QUIZZES:

There are four quizzes for this course:

Quiz 1	Week 3	Friday, October 11, 2019
Quiz 2	Week 5	Friday, October 25, 2019
Quiz 3	Week 7	Friday, November 8, 2019
Quiz 4	Week 9	Friday, November 22, 2019

WORKSHEETS:

Fridays not reserved for Quizzes will be used for Worksheets. In the weeks in which there is a Quiz, the Worksheet for that week will be in-class on Thursday. These worksheets will be based on the most recent material covered in class. Collaboration on Worksheets is permitted. If you have questions on a particular worksheet, then you can ask me or you can discuss it with your colleagues. While collaboration is permitted, copying someone else's answers is not permitted. The work you submit must be your own work.

ATTENDANCE:

Attendance for this class is mandatory. You are expected to be present for each and every class, with the exception of excused absences. Excused absences are those that are both valid and verifiable, e.g. illness, bereavement, religious obligation, inclement weather, etc...

ACADEMIC DISHONESTY:

Incidents of academic dishonesty, as described by the CWU Student Conduct Code (CWUP 5-90-040(22), CWUR 2-90-040(22), and WAC 106-125-020), including, but not limited to, obtaining or giving unauthorized assistance on an assignment, plagiarism, and fabrication, will result in a grade of 0 points on that assignment.

ACCESSIBILITY:

Students requiring special accommodations are encouraged to contact Disability Services (ds@cwu.edu, (509) 963-2214, Hogue 126).