MATH 010 A – Precalculus

Spring 2022

Instructor:	Jesse Franklin	**Time:**	MWF 8:30 am – 9:20 am
Email:	jesse.franklin@uvm.edu	**Place:**	Rowell 111

Office hours: MF 9:30am – 10:30am, W 2:30pm-3:30pm and by appointment on Teams.

Description and objectives: This course covers topics in algebra including polynomial, rational, inverse, exponential, and logarithmic functions. Trigonometry topics include triangle trigonometry, the laws of sines and cosines, and an introduction to trigonometry as a collection of periodic functions. Upon successful completion of the course, students will be prepared to take a course in Calculus.

This course satisfies the QR: Quantitative Reasoning general education requirement.

Textbook: *PreCalculus—J. Douglas Faires & James DeFranza, 5th edition, with WebAssign access code—can be purchased as a textbook bundle, as a standalone access code, or as part of Cengage Unlimited*

Technology:

- *BlackBoard*, a website used by UVM for course management. Here you will find announcements, a link to this syllabus and the course schedule, and you can also check your grades here.

- You will need the capacity to *scan documents*, such as quizzes and exams, to PDF files. Note that most smart phones have a scan function, and this is perfectly acceptable.

- A calculator CAN be used to do almost everything in this class, and is allowed for homework, but will NOT be allowed for quizzes or exams and **nothing in this class will require a calculator**

- All homework and the textbook for the course will be on webassign

- Lectures will be available on Teams live as they occur, and lecture notes will be posted to Blackboard after each lecture. If there is enough demand I will record the lectures as well.

Webassign: Use the webassign class key **uvm 4614 5189** to register for this course specifically. Detailed instructions will be on Blackboard

Grading:

- *Homework assignments* will make up 25% of the grade.

- *Quizzes* will be 20% of the final grade and will be held on Fridays in the form of a collaborative in class activity.

- *Exams* will make up exactly %40 total of your final grade, each is worth 10%, and they will be based on the homework assignments and quizzes.

- *Final exam* there will be a cummulative final exam worth 15% of the total grade

Final letter grades are assigned according to the following table.

A+	97-100	A	93-96	A-	90-92
B+	87-89	B	83-86	B-	80-82
C+	77-79	C	73-76	C-	70-72
D+	67-69	D	63-66	D-	60-62
F	< 60				

Late work: Late homework and missed quizzes are accepted until the last day of class. If you miss an exam that you want points for you need to discuss when or if you can make it up with me by the end of class the following Monday or it will be considered a zero, except in extraordinary circumstances.
This policy is to return exams as soon as possible, to record progress in the course consistently and is strictly not intended to induce stress. It is more important to learn math by doing it than to do it when the instructor says so, but the course needs some standards and progresses expeditiously through material.

Important dates:

> Add/drop deadline 1/31
> Last day to withdraw 4/4
> Last day of class 5/6
> Final .... 5/9 7:30am-10:15am.

Expectations: Students are welcome to regularly attend class, expected to complete any assigned work, and must comply with UVM's *Code of Student Conduct*.

Academic integrity: As one might expect, the student may not plagiarize or fabricate any work, nor may the student collude or cheat. See UVM's *Code of Academic Integrity*.

Student learning accomodations: In keeping with University policy, any student with a documented disability interested in utilizing ADA accommodations should contact Student Accessibility Services (SAS), the office of Disability Services on campus for students. SAS works with students and faculty in an interactive process to explore reasonable and appropriate accommodations, which are communicated to faculty in an accommodation letter. All students are strongly recommended to discuss with their faculty the accommodations they plan to use in each course. Faculty who receive Letters of Accommodation with Disability Related Flexible accommodations will need to fill out the Disability Related Flexibility Agreement. Any questions from faculty or students on the agreement should be directed to the SAS specialist who is indicated on the letter.

Contact SAS:
A170 Living/Learning Center;
802-656-7753
access@uvm.edu
www.uvm.edu/access

Religious holidays Students have the right to practice the religion of their choice. If you need to miss class to observe a religious holiday, please submit the dates of your absence to me in writing by

the end of the second full week of classes. You will be permitted to make up work within a mutually agreed-upon time. See www.uvm.edu/registrar/religious-holidays.

FERPA rights disclosure: The purpose of this policy is to communicate the rights of students regarding access to, and privacy of their student educational records as provided for in the Family Educational Rights and Privacy Act (FERPA) of 1974. See here for the disclosure.

Promoting health and safety:
Center for Health and Wellbeing: https://www.uvm.edu/health
Counseling & Psychiatry Services (CAPS): Phone: (802) 656-3340
C.A.R.E.: If you are concerned about a UVM community member or are concerned about a specific event, we encourage you to contact the Dean of Students Office (802-656-3380). If you would like to remain anonymous, you can report your concerns online by visiting the Dean of Students website at https://www.uvm.edu/studentaffairs

Mandatory reporting:
As a UVM instructor I am a required to report to UVM's student services if I feel that your mental or physical health is at risk, especially with regards to self harm, intent to harm another person or abuse.

Course evaluation: All students are welcome to complete an evaluation of the course at its conclusion. The evaluations will be anonymous and confidential, and the information gained, including constructive criticisms, will be used to improve the course.

Tentative schedule: The plan will be to cover chapters 1 through 5 of the textbook in 15 weeks. We will cover roughly one section per day except for on Fridays when we will typically have a quiz for part of the class time, and use the rest to recap or preview the materials. The following is a rough idea of how the class will go and is suject to change.

1. Chapters 1 and 2 are from weeks 1-5 and are about basic functions and arithmetic of functions

2. Chapter 3 from weeks 6-9 is about polynomial and rational functions

3. Chapter 4 from weeks 10-13 is about trigonometry

4. Chapter 5 from weeks 14-15 is about exponential and logarithmic functions