

SYLLABUS

MATH 141 – PRE-CALCULUS I

INSTRUCTOR: MICHAEL GIBBONS

Term: Fall 2020

Section identification Number: 8163

Office Location: BHHS (Math Pod, Room 127)

Office Hours: Monday - Friday 7:10 am – 7:35 am

You can reach me through Email [mike.gibbons@tumwater.k12.wa.us].

COURSE INFORMATION

Course Meeting Times and Place:

Monday - Friday 1st or 6th period

Math Pod, Room 127

Course Description:

Covers functions and analytic geometry. Students who plan to pursue a Science, Engineering, and/or Math (SEM) pathway should take this course.

Course Pre-requisites:

A passing grade in Integrated Math III

Course-Level Student Outcomes:

Upon completion of the course, the student will be able to...

- Transform a known function to produce the graph of a related function (T, Q)
- Recognize function notation (T, Q)
- Evaluate standard functions (T, Q)
- Solve equations involving exponential, logarithmic, polynomial, and rational functions (T, Q, C)
- Communicate the meaning of expressions, equations, or characteristics of graphs or functions encountered in pre-calculus in the context of a real world applications (T, Q, C)

College-Wide Abilities:

Upon completion of the course, the student will be able to:

- Think logically and critically (T)
- Evaluate and process quantitative and symbolic data (Q)
- Communicate Effectively (C)

Link to Course Outline:

mlgibbons.pbworks.com (Please refer to Pre-Calculus Sem. 1)



TEXTBOOKS, SOFTWARE, AND MATERIALS

REQUIRED TEXTBOOKS:

ADVANCED MATHEMATICS (RICHARD G. BROWN); PRE-CALCULUS WITH LIMITS (LARSON) * PLEASE MAKE SURE TO CHECKOUT THE ADVANCED MATHEMATICS BOOK FOR REMOTE INSTRUCTION ON THURSDAY OR FRIDAY. WE WILL ALSO BE USING PRE-CALCULUS WITH LIMITS WHEN WE GO FACE-TO-FACE. YOU MAY CHECKOUT THAT BOOK THEN.**

GRADING AND ASSIGNMENTS

Grading Scale:

A	93-100%	C	73-77%
A-	90-92%	C-	70-72%
B+	87-89%	D+	67-69%
B	83-86%	D	60-66%
B-	80-82%	F	0 - 59
C+	77-79%		

Weighting	
Homework	4.5%
Homework Quizzes	4.5%
Participation	1%
Exams	90%

Homework (4.5%):

You will consistently have homework on a daily basis. For full credit, this homework needs to be turned in at the beginning of the next class (before the homework quiz).

Homework Quizzes (4.5%):

After each section you will have a homework quiz, which is simply one of the assigned homework problems. If you miss a homework quiz with an excused absence, it will be excused when the completed homework for that section has been turned in.

Participation (1%):

Participation includes signed progress reports, notebook checks, test corrections,...

Exams (including Final Exams) (90%):

You will have 5 Unit Exams and a Semester Final. Missed exams will receive a score of zero.



CLASS POLICIES

Attendance:

Attendance is encouraged and expected. If you miss a class, you are responsible for mastery of any missed material. You may refer to my webpage (mgibbons.pbworks.com).

Late Work:

Daily homework can be submitted late for 80% credit. No homework will be accepted after the Unit Exam.

Academic Honesty:

Academic dishonesty is not tolerated at South Puget Sound Community College and is subject to disciplinary action. At the very least, you will receive a zero for the assignment and be referred to the Vice President of Student Services. More severe consequences would be a failing grade for the entire course. Academic dishonesty includes cheating; plagiarism; knowingly furnishing false information to the college; intentionally initiating or causing to be initiated any false report, warning or threat of fire, explosion, or other emergency, on college premises or at any college-sponsored activity; forgery; alteration or use of college documents or instruments of identification with intent to defraud. Studying together is encouraged but copying is not okay.

Classroom Conduct:

EXPECTATIONS: Students are expected to behave in a way that will enhance the learning environment for all. Listed below are some guidelines. If these are not followed you may be asked to leave the classroom so others can learn in an appropriate environment.

- **To be timely and prepared.** It is important to meet deadlines for your homework and other assignments. Please plan accordingly. Completing daily homework ahead of the next class is imperative in order that you are prepared for in class activities, quizzes, and tests.
- **To participate fully in the class** and in your own learning and complete all assignments and activities.
- **Respect others' ways of thinking,** have confidence in their own knowledge, share information, pool knowledge, and listen effectively. Take care not to dominate others. If you have a question that is personal, please message me privately.
- **Develop problem-solving skills:** recognize the applicability of previously learned solutions to new problems, recognize and apply reverse reasoning (given the answer, what is the question), and develop an individual problem solving strategy. Recognize that problems may have alternative solutions and that alternative techniques may be used to arrive at those solutions.
- **Use of phones (w/o permission):** Phones may not be out during class time.



- **Respect for others is required at all times:** Please commit to being a positive influence in this learning community. Negativity is not acceptable and everyone has the right to a safe and comfortable learning environment.

Course:

Be careful to manage your time well and allow for time to deal with tech issues if they arise. Take caution not to wait until the last minute. This is a content heavy course and it's easy to get behind, then overwhelmed.

Lesson time is at a premium, so it must be used efficiently. **You cannot be taught everything in the "PowerPoint Presentations on my webpage" or in class.** It is your responsibility to ensure you learn the material. A good portion of this learning must take place outside of the lesson time. Our primary goal during lessons is to provide a framework, with some of the particulars, to guide you in doing your learning of the concepts and methods that comprise the material of the course.

To succeed in this class you should **take quality notes during lessons and activities;** memorize vocabulary and formulas (or how to use the appropriate technology), attend class; do all assigned work and check all answers where applicable; review/rework any problems that you made mistakes on from homework, quizzes, and exams. **If you find that you need additional help here are some resources to keep in mind:**

You: Work hard and make sure you are taking the time to really think about the topics we are working on. **Your goal is to understand each step in a problem and why that was the right step.** Try to find different approaches to a problem. You should take the responsibility to engage with the material not just passively watch.

Other Students: I highly recommend finding other students to work with. Find someone in our class, or even in a different section of Math 141 to study with.

Me: I am happy to answer any of your questions during class, during my office hours, or PACK time. **It is important for you to come to me with specific questions or topics that are concerning you.** If you are stuck on a problem and would like help you should have spent a minimum of five minutes working on it before you bring it to me. **Be prepared to show me your work.**

Tutoring: Be proactive and start meeting with a tutor in the Math Help Center, **before** you are in crisis.

Learning Support Services – BHHS offers **FREE** drop-in tutoring to all math students (like yourself). Located in the **Math Pod**, the Math Help Center is staffed by caring and patient tutors who are trained to help you master the important techniques and concepts from your class. It is a great place to do homework, work on an assignment with a classmate, or get help on a specific question.