**MATH 142 – Pre Calculus II**

***Course Syllabus: Spring 2020***

**Instructor Information**

**Name:** Dr. Professor J

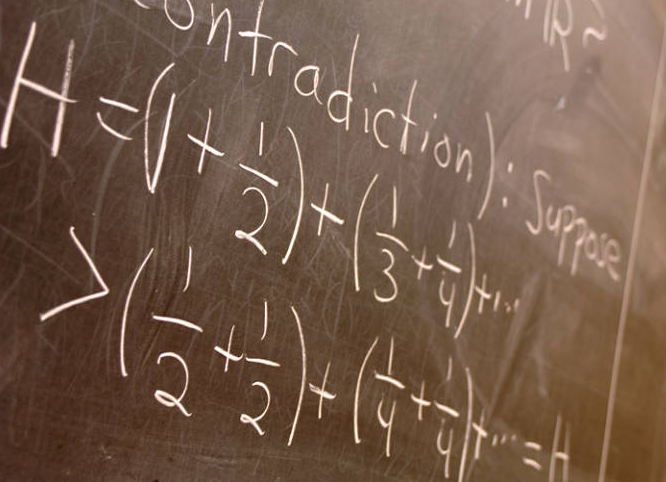
**Email:** professorj@wsu.edu

**Office Hours:** Thursday from 9 am – 11 am

**Course Information**

* **Class Times:**MWF 2 pm – 3:25 pm
* **Location:**  TBD
* **Prerequisite:** MATH 141 with a 2.0 or better within in the last three years; or appropriate placement score (SCC, SFCC)
* **Text:** Precalculus Concepts Through Functions A Unit Circle Approach to Trigonometry, Sullivan Sullivan 4th Edition
* **MyLab Math:** You will be given registration information in the event we use MyLab Math

**Welcome to Math 142!**



Precalculus is a wonderful medley of algebra and trigonometry designed to prepare students to enter Calculus. During this ten-week journey, we will learn about.  Math is not a spectator sport! It is a relationship best developed through daily practice. You will be successful if you come to lecture, participate in lecture discussions/activities, complete your homework on time, and are able to verbally explain how you accomplished the homework problems. I am excited for this opportunity to guide you through the algebraic processes that this semester will bring!

**Course Objectives**

Do not allow the following course objectives to intimidate you. Consider it a checklist that I will be using to make sure you are properly prepared for Calculus. You can also use it as a checklist for yourself. If, when reading it, you cannot visualize the processes described, please reach out to myself or a peer and get understanding. This course and all the information presented, is yours for the taking.

**Upon successful completion of Math 142, student should be able to:**

1. Utilize the trigonometric functions and the inverse trigonometric functions and their properties.

\* Solve trigonometric equations and applications

--Graph the trigonometric functions and transformations

Apply vectors in two-space

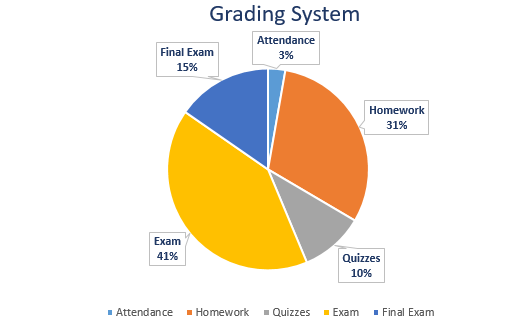
2. Solve parametric equations and polar coordinates

3. Use sequence and summation notation

4. Recognize conic sections

**Grading System**

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| **Component** | **Points** |
| Attendance | 27 |
| Homework (4) | 300 |
| Quizzes (10) | 100 |
| Exam (4) | 400 |
| Final Exam | 150 |

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| **A** | **977 - 918** |
| **A-** | **917.9 - 879** |
| **B+** | **878.9 - 850** |
| B | 849.9 - 811 |
| **B-** | **810.9 - 782** |
| **C+** | **781.9 - 752** |
| **C** | **751.9 - 713** |
| **C-** | **712.9 - 684** |
| **D** | **≤ 684** |

**Late Work Policy**

Work submitted after the due date will be subject to a penalty of up to 10% per day late. If you have a verifiable reason for missing a deadline, please contact the instructor privately.

**Attendance**

You are expected to come to each class meeting. In class work, extra credit possibilities and quizzes that are missed due to absence cannot be made up. Please review the course schedule. In the event I am absent, understand that

* A video lecture will be provided. Always follow the course schedule as this is how you can stay (and I can stay) on track. The course schedule is subject to be updated to reflect any and all unforeseen changes in how the course will progress.
* Homework is still due if I am gone and you will be given instructions on how to submit it.

If you must be absent because of an emergency or illness, please make every effort to speak with me about it beforehand, if possible, or after the next class. I will excuse such absences with a doctor’s note or other form of official documentation. Keep in mind that more than two unexcused absences will negatively affect your final grade.

**Assignments**

Homework details (practice problems and due dates) can be found on the course schedule. In the event that you know you will be absent, you may hand your homework in early – not late.  (*Do not hand in early homework if you plan to be in class).* Expectations regarding your homework submissions are as follows:

* All work is handwritten (unless submitting through MyLab Math)
* Homework will be legible and neat if hand-written (include name and homework number in top right corner).
* Some questions require a simple answer while other problems require solutions. Solutions may include but are not limited to, neatly drawn graphs, several sentences, a page length of calculations, and so on and so forth
* In all of your responses to any math problem, **show how you derived the answer**. Your work must be your own.

**Academic Integrity**

Academic integrity is the cornerstone of higher education. As such, all members of the university community share responsibility for maintaining and promoting the principles of integrity in all activities, including academic integrity and honest scholarship. Academic integrity will be strongly enforced in this course. Violation of WSU’s Academic Integrity Policy (identified in Washington Administrative Code (WAC) 504-26-010(3) and -404) may result in penalties up to and including failing the assignment, exam, quiz, course requirement, or the course itself and students will not have the option to withdraw from the course pending an appeal, and will be reported to the Office of Community Standards.

Cheating includes, but is not limited to, plagiarism and unauthorized collaboration as defined in the Standards of Conduct for Students, WAC 504-26-010(3): <http://app.leg.wa.gov/WAC/default.aspx?cite=504-26-010> . If you have any questions about what is and is not allowed in this course, you should ask course instructors before proceeding. [Read More](http://app.leg.wa.gov/WAC/default.aspx?cite=504-26-010)

If you wish to appeal a faculty member's decision relating to academic integrity, please use the form available at <https://communitystandards.wsu.edu/> .

### Copyright

Any course-related materials, presentations, lectures, etc. are the instructor's intellectual property and may be protected by copyright. The use of University electronic resources for commercial purposes, including advertising to other students to buy notes, is a violation of WSU's computer abuses and theft policy (WAC 504-26-218). Selling class notes through commercial note taking services without written advance permission from the faculty, could be viewed as be as copyright infringement and/or academic integrity violation, WAC 504-26-010 (3)(a,b,c,i).

**Academic Regulations**

Students enrolled in online courses are subject to the same University academic regulations as on-campus students. For the most accurate and up to date information go to <http://registrar.wsu.edu/academic-regulations/>.

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| **Math 142: Winter 2020 Tentative Course Schedule – Subject to Change** | | | |
| **Weeks and Dates** | **Lesson** | **Assignments** | **Due Date by 11:59pm Pacific Time unless otherwise noted** |
| **Unit 1** | | | |
| **1 - Jan. 6 - 10** | Lessons 1-2 | **HW1 (Due Fri., Jan 17)** | Possible Quizzes |
| **Unit 2** | | | |
| **2**  **Jan. 13 - 17** | Lessons 3-5 | Discussion: Equations | **Original Post:** Jan. 29 (Wed)  **Paper Draft:** Jan. 30 (Thurs)  **Exam 1**: Fri., Jan 17 |
| Paper 1 Draft |
| Exam 1 on Chapter 5 |
| **Unit 3** | | | |
| **3**  **Jan. 20 – 24**  (**Holiday Mon., Jan 20)** | Lessons 6-8 | **HW2: (Due Wed., Feb 5)** | Possible Quiz |
| **Unit 4** | | | |
| **4**  **Jan 27 - 31** | Lessons 9-11 | HW2 (Cont.) | Possible Quizzes |
| **Unit 5** | | | |
| **5**  **Feb. 3 - 7** | Lesson 12 | HW2 (Cont.) | **Exam 2 on Chapter 6 (Due Wed., Feb. 5)** |