

Math 119—Precalculus Trigonometry

Topics include trigonometric functions, their basic properties and graphs; inverse trigonometric functions; identities; applications. **2 credits**

Instructor: Gretchen Renfert	Office Hours	Course Meeting Times						
Office: B152 Science Bldg Phone: 715-346-2919 * email: grenfert@uwsp.edu Class website: D2L (NOT "Canvas") * preferred method of contact	Monday 1 – 1:50 PM <i>or</i> Wednesday 10 – 10:50 AM <i>or</i> <i>by appointment (See page 3)</i>	<table border="1"> <thead> <tr> <th><u>Time</u></th> <th><u>Days</u></th> <th><u>Room</u></th> </tr> </thead> <tbody> <tr> <td>1- 1:30 PM</td> <td>T,R</td> <td>Sci A201</td> </tr> </tbody> </table>	<u>Time</u>	<u>Days</u>	<u>Room</u>	1- 1:30 PM	T,R	Sci A201
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Text (rental): *Precalculus: Mathematics for Calculus*, 7th edition
 by Stewart, Redlin & Watson (Published by Cengage) ISBN: 978-1-305-07175-9
 Topics include most of those in Chapters 5-7.

Calculators: You will need a scientific calculator during portions, but not all, of the semester. Graphing calculators may be used at times, but you will not always be allowed to use a calculator on all parts of exams—do not become too dependent on using either type of calculator.

* Computers, cell phones, SMART watches, iPads or other tablets, and calculators with a "QWERTY" keyboard are not allowed during exams.

Prerequisites: Math 100 or Math 107 or a suitable placement test score

Preparation for: Math 120 if you did not place into Math 120

Caution: You may not earn credit for both Math 112 and Math 119

Evaluation: Course grades information will be available in D2L and will be determined by the following:

	<u>Tentative Dates:</u>
25 % Exam I	in-class on Tuesday, Feb 21
25 % Exam II	in-class on Tuesday, April 2
25% Exam III	in-class on Tuesday, May 7
<u>25%</u> Comprehensive Final Exam	2:45 PM – 4:45 PM Monday, May 14
100%	

Course Grades (%) at or above	93	90	87	83	80	77	73	70	67	60
will receive at least a grade of	A	A -	B +	B	B -	C +	C	C -	D +	D

(Note: There is no such grade as a D- at this university)

* I reserve the right to exercise discretion in raising a student's grade if the final weighted average does not appear to reflect the quality of a student's work (for example, because of one low exam score early in the course). I will not use discretionary judgments to lower a student's final grade.

***Desire to Learn (D2L)** <https://uwsp.courses.wisconsin.edu/d2l/home>.

To access D2L, use your regular campus logon ID and password, and then click on our course:
MATH 119 Precalculus Trigonometry

Homework assignments, handouts, class work, grade information, and other class announcements can be found on the web in Desire to Learn (D2L).

Homework: Almost every day a list of homework problems will be given in class. Each of these will be a *minimal* list of problems which you need to understand in order to do well in this course. Doing the homework is extremely important, so make sure you stay on top of it and ask questions on whatever you don't understand. The homework will not be graded, but it is highly recommended that you practice doing problems on your own.

Attendance is expected at every class meeting. Everyone becomes ill sometimes. If you become ill, I expect you to make a reasonable effort to come to class. If the illness or other emergency require absence from class, I expect you to make every attempt to keep up with what is being taught by checking **D2L**, following in your book and making every attempt to do the homework.

* **Exams MAY NOT BE MADE UP** unless arranged with me ahead of time, and then only for sufficient reason.

If a dire emergency occurs, contact me as soon as possible to see if an exception is in order.

Incompletes: A grade of incomplete may be given when circumstances arise beyond the student's control and the student is unable to complete the course ***IF*** the student was passing when the circumstances arose.

Disability Accommodations: Reasonable accommodations are available for students who have a documented disability. Please notify the instructor during the first week of class of any accommodations needed for the course. For information on accommodations available to students with disabilities, call 715-346-3365, visit the Disability and Assistive Technology Center in room 609 of the Learning Resources Center, or visit their website: <http://www.uwsp.edu/disability/Pages/default.aspx>.

All students are expected to know the UWSP Community **Rights & Responsibilities** and the **Student Academic Standards and Disciplinary Procedures** found on the Dean of Students webpage at <https://www.uwsp.edu/dos/Pages/stu-academic.aspx>. This is an excellent place for you to find more information about Academic Concerns, Conduct Concerns, Personal Concerns, and more.

Food/Beverage: I would prefer that you not eat in class. I find food to be a distraction.

Cell Phones: I understand that occasionally you may want to take a picture of what is on the board. Other than that, cell phones should be silenced and put away once class begins.

For Academic Support:

- 1) Ask questions as they arise.
- 2) See me before or after class, during my office hours, or check to see if I am available at other times.

😊 3) Tutoring services are available for this course!! Your Student Instructor is: Shaun

Tutoring

The Department of Mathematical Sciences and the Tutoring-Learning Center (TLC) offer free drop-in and group tutoring to support you in your math classes. In addition, the TLC offers the option for individual math tutoring sessions. The tutors are UWSP students who have done well in their classes and who are here to share their successful study habits and math content knowledge to help others succeed. Discussing mathematical concepts and practicing problems together clarifies and solidifies knowledge, and the tutors are eager to study with you.

If you have questions about the schedule or would like to make an appointment:

1. **Visit:** the TLC in room the basement of the Library, **ALB 018**
2. **email:** tlctutor@uwsp.edu
3. **Call:** (715) 346-3568

Math Assistance -- Spring 2019

Name	Schedule	Location	Cost
Drop-In Tutoring Center	https://www.uwsp.edu/tlc/Pages/dropInTutoring.aspx	DUC 205	FREE
Group Tutoring	https://www.uwsp.edu/tlc/Pages/schedules.aspx	<u>See TLC Website</u>	FREE
One-on-One Tutoring	https://www.uwsp.edu/tlc/Pages/CA-tutoring.aspx	Visit ALB 018 to make a request.	\$9/session * fee may be waived
The Math Room	https://www.uwsp.edu/mathsci/Pages/tutoring.aspx	SCI A113A	FREE

Renfert's Schedule:

	Monday	Tuesday	Wednesday	Thursday	* Friday
8:00 - 8:50	Math 105.1 Sci A208	Math 105.1 Sci A208	Office Hour	Math 105.1 Sci A208	
	Math 118.2 Sci A210	Math 118.2 Sci A210	Math 118.2 Sci A210	Math 118.2 Sci A210	
10:00 - 10:50	*	*	Office Hour	*	
11:00 - 11:50	<i>Lunch</i>				
12:00 - 12:50	*	*	*	*	
1:00 - 1:50	Office Hour	Math 119.2 Sci A201	*	Math 119.2 Sci A201	
2:00 - 2:50	Math 105.4 Sci A202	Math 105.4 Sci A202	Office Hour	Math 105.4 Sci A202	
3:00 - 3:50	*	*	*	*	
4:00 - 4:50	* Available by appointment				

** Tentative Math 119 Schedule**

Week	Dates	Sections	Topic
1	Jan 22 & 24	6.1	Introduction & Angle Measure
		6.2	Trigonometry of Right Triangles
2	Jan 29 & 31	6.3	Trigonometric Functions of Angles
		6.4	Inverse Trigonometric Functions & Right Triangles
3	Feb 5 & 7	6.5	The Law of Sines
		6.5	(continued)
4	Feb 12 & 14	6.6	The Law of Cosines
		Review	Chapter 6.1 - 6.6
5	Feb 19 & 21	Exam 1	Tuesday, February 19
		5.1	The Unit Circle
6	Feb 26 & 28	5.2	Trigonometric Functions of Real Numbers
		5.3	Trigonometric Graphs
7	Mar 5 & 7	5.4	More Trigonometric Graphs
		5.4	(continued)
8	Mar 12 & 14	5.5	Inverse Trigonometric Functions & Their Graphs
		5.5	(continued)
Mar 16 - 24		SPRING BREAK	
9	Mar 26 & 28	5.6	More Trigonometric Graphs
		Review	Chapter 5.1 - 5.6
10	Apr 2 & 4	Exam 2	Tuesday, April 2
		7.1	Trigonometric Identities
11	Apr 9 & 11	7.1	(continued)
		7.2	Addition & Subtraction Formulas
12	Apr 16 & 18	7.3	Double-Angle & Half-Angle Formulas
		7.3	Product-Sum Formulas
13	Apr 23 & 25	7.4	Basic Trigonometric Equations
		7.4	(continued)
14	Apr 30 & May 2	7.5	More Trigonometric Equations
		Review	Chapter 7.1 - 7.5
15	May 7 & 9	Exam 3	Tuesday, May 7
		Review	Chapters 5 - 7
	Monday, May 13th	Final Exam	Time: 2:45-4:45 PM Room: Science A201 (Our Regular Classroom)