Instructor Information

Instructor: Jean Swillum “Miss Jean”
Office: LRS 235
Office Hours: Monday 12:30 pm-1:30 pm, 3:00 pm-4:30 pm,
Tuesday 4:45 pm-5:45 pm, Wednesday 3:00 pm-4:30 pm
Phone: 501-221-2865
Email: jswillum@uaptc.edu

*All emails and telephone calls will receive a response within two business days.

Chair: Denise Hammett (501) 812-2874 dhammett@uaptc.edu
Dean: Dr. Marico Bryant Howe (501) 812-2342 mbryanthowe@uaptc.edu

*If your emails and telephone calls do not receive a response within two business days, the appropriate chain of command is above.

Course Information

This course meets face to face in a classroom on Mondays and Wednesdays from 1:40 PM-2:55 PM in LRS 217. Students are expected to be in class for the duration of each class meeting and to participate by taking notes, asking and answering prudent questions.

You will need my course ID, swillum86885, to enroll in my course at MyMathLabs.

Catalog Description

3 Credit Hours (3 hours lecture per week)

Study of trigonometric functions, identities, equations and applications.

PREREQUISITE: Students enrolled in MATH 1303 must meet one of the following requirements:

- MATH 1302 (College Algebra) with a grade of "C" or better
- A score of 26 or higher on the mathematics section of the ACT
- A score of 70 or higher on the COMPASS Algebra Placement Test
- A score of 86 or higher on the Accuplacer College Level Placement Test
Course Materials

Disclaimer: UA-PTC will not guarantee materials purchased anywhere other than the UA-PTC bookstore. The purchase of codes for the online environment should be purchased through the UA-PTC bookstore or directly when registering for the online environment by following the instructions supplied by your instructor. Please take a picture of your code for safe keeping as lost codes cannot be replaced. You will have the option of using a 14 free temporary access to get started in the course immediately, so no excuses!


Calculator: A TI-83 or 84 calculator is required for the course.

If you have been awarded financial aid but have not received funds, you can take your schedule down to the UA-PTC bookstore and they will charge your books to your account. This will allow you to purchase your book early and will alleviate you getting behind this semester.

Free Tutoring is offered on both UA-PTC south and main campus.
Instructions to register in MyMathLab (MML) – YOU MUST USE THE SAME FIRST AND LAST NAME THAT IS ON THE UA-PTC PORTAL AND ROSTER FOR THE COURSE!!!!!!

MyMathLab Web Address: www.pearsonmylabandmastering.com or www.mymathlab.com

➢ This is a Person service, but is not the same as MyLabsPlus. You will need to register even if you have used MyLabsPlus for other courses as this is a different platform. Even if it says it recognizes your email, register anyway!

• **Register** as a student and create an account. Even if the system states that it recognizes you, re-register! You must use the first and last name that is listed on the UA-Portal and roster for the course.

• **Instructor ID** is **swillum86885**

• **Student Username**: The first two letters of your first name, your entire last name, and the last four digits of your student ID. Your username is without spaces or commas. For example: Blue Sampson has a student ID of 123-45-6789, so her username would be blsampson6789. (Caution: A very few students have usernames that vary from this and those students need to use their username as set up in UA-PTC’s portal.)

• **Student Password**: Ptcmmddyyyy (this is the letters “Ptc” and your birthdate)

• **Email Address**: The first two letters of your first name, your entire last name, and the last four digits of your student ID and then @students.uaptc.edu. You are required to use your PTC email for this course. For example: Blue Sampson has a student ID of 123-45-6789, so her email address would be blsampson6789@students.uaptc.edu. (Caution: A very few students have usernames that vary from this and those students need to use their username as set up in UA-PTC’s portal.)

✓ Once you complete the required information, you will need accept the terms of the Pearson User License Agreement and Privacy Policy.

• You will then either select that you have your access code that you have previously purchased, buy the access code online with PayPal or a credit card, or use the **14 day temporary access** link. The 14 days begins immediately and you will have to follow the link from the course to upgrade your access to a paid code before the 14 days have expired or you will be locked out of the course. **Please make sure to keep your access code until the course is completed.**

• Once in the course, your first task is to run the **browser check** from the course’s home page and install any missing components*. 
• Next, take the time to look over the items on the left side of the home page. These are referred to as links, folders or tabs and contain the necessary information for the class.

• When completing timed assignments, completely log out of MML and log back in before starting to avoid a time out incident in the middle of the assignment.

*MML Technical Support: If you are unable to install the necessary software and plug-ins or the program is not running properly, you may contact the MyMathLab Student Support Line at: 1-800-677-6337 Monday-Friday, 12 pm to 8 pm (All times are Eastern Standard Time).

Web Browsers: Please have a minimum of 2 browsers downloaded on your computer. If you experience problems with MyMathLab, try connecting through another browser. Shut down the computer, wait 10 minutes, reboot and try a different browser. If it occurs on both browsers, then the problem is probably with MyMathLab and not your computer. **Always logout and reconnect right before beginning a timed assignment as systems sometimes are automatically timed out after a while of activity.** MyMathLab’s Technical Support number is 844-292-7015 or go through the help and support link at the course listing page to use Live Chat.

MLP Technical Support: If you are unable to install the necessary software and plug-ins or the program is not running properly, you may contact the MyMathLab Student Support Line at: 1-800-677-6337 Monday-Friday, 12 pm to 8pm. (All times are Eastern Standard Time.)

**Do not contact the UA-PTC IT services department for assistance with MLP issues. Please be sure to contact the 1-800 number that was provided above.**
Mission Statement

University of Arkansas – Pulaski Technical College provides access to high-quality education that promotes student learning and enables individuals to develop to their fullest potential.

Institutional Learning Outcomes and General Education

UA-PTC supports a college-wide institutional learning assessment program which concerns effective instructional methods and promotes student learning achievement by assessing:

1. Information Literacy
2. Technology Literacy
3. Communication
4. Critical Thinking
5. Quantitative Reasoning
6. Cultural Awareness
7. Professionalism

For more information, please consult the following website: https://uaptc.edu/sla

Department / Program Learning Outcomes

The mission of the math department is to prepare students with the mathematical knowledge and understanding necessary for students to accomplish their educational goals. The math department aims to teach, advise and consult on any mathematical related matter whether a student wishes to successfully transfer to a four-year college, gain entrance into the workforce, enhance their personal skills or further their lifelong learning pursuit.

Upon successful completion of the required math courses,

DLO #1: Students will demonstrate the ability to use symbolic, graphical, numerical and written representations of mathematical ideas.
DLO #2: Students will use mathematical reasoning and, when appropriate, a general problem solving process to solve problems.
DLO #3: Students will learn mathematics through modeling real-world situations.
DLO #4: Students will use appropriate technology to enhance their mathematical thinking and understanding, solve mathematical problems, and judge the reasonableness of their results.

Student Learning / Course Outcomes

The student will:

- Develop an understanding of trigonometric functions
- Use trigonometric relations in solving problems including circular motion
- Develop an understanding of complex numbers and their trigonometric representation
- Use appropriate technology
- Demonstrate an understanding of trigonometric identities, equations, and applications
Students will demonstrate the ability to

1) Work with degree and radian measure
2) Find coterminal angles
3) Find arc lengths and areas of sectors
4) Solve problems using linear and angular velocities
5) Solve problems using right-triangle trigonometry
6) Use appropriate technology with trigonometric functions
7) Use the definitions of trigonometric functions
8) Recognize domain and range of trigonometric functions
9) Use graphs of trigonometric functions
10) Work with inverse trigonometric functions
11) Verify and use trigonometric identities
12) Solve trigonometric equations
13) Use the Law of Sines and the Law of Cosines to solve triangles
14) Perform vector operations
15) Work with complex numbers in trigonometric form

Policies

Report a Complaint or Concern

UA-PTC takes very seriously complaints and concerns regarding the institution. Most complaints or concerns of a specific nature should be initiated and resolved at the campus level through normal college processes whenever possible. UA - Pulaski Technical College receives and resolves complaints using a variety of methods. To report a complaint or concern, please follow the link below.

https://www.uaptc.edu/report-a-concern-complaint

UA-PTC Attendance Policy

Education at UA-PTC requires students’ active involvement in the learning process. Thus, students are expected to attend all classes and actively engage in all learning assignments and/or opportunities provided in their classes. Class attendance should be treated as mandatory by all students as attendance will be taken by all instructors during the first two weeks of class.

Departmental Attendance Policy

Agencies granting financial assistance may be notified of the violation of the attendance policy by students receiving financial aid.

Attendance is taken starting the first day of the semester and throughout the semester. Teachers have the right to count students as absent if they arrive late to class, leave class early, or go in and out of the classroom during class time. Teachers have the right to lower a
student's grade based on excessive absences as outlined in the syllabus for the course. Instructors set the attendance policy for courses and students must follow those policies.

Any student who does not attend class before the roster certification date will be considered a “no show” according to the campus attendance policy and will be reported as such and dropped from the class. Students who were dropped because they had not attended class, will not be allowed back into the course during that specific term; refunds are automatically added to the student's account for being reported as Never Attending a class. Instructors set the policies for counting students as “no shows” in the online environment and it is the student’s responsibility to follow those policies.

Regular and consistent attendance should be maintained in order to be successful in this course. Excessive tardiness and/or absences are considered discourteous to the instructor and the learning environment and can be a detriment to successful course completion. Students who are absent for any portion of a class session miss important information from lectures, class discussions, handouts and assessments, and can easily fall behind on the material. As mastery is a basis for progression, students will need to be present each day for the entire class session. Following an unavoidable absence, the student has the responsibility for completing all activities missed as allowed by the instructor. Instructors in the online environment establish the attendance policies and the requirements for success and it is the student’s responsibility to adhere to those policies.

Attendance will be taken daily (sign in sheet) and will be counted as part of your homework grade. If you choose to arrive late or leave class early, you will not earn your attendance points for the day. No exceptions!

Drop Date: The last day to drop a course or withdraw from the college is Wednesday, April 17, 2019. A student should consult with their instructor and financial aid (if applicable) before submitting a drop form. A student can request to drop or withdraw by visiting the student services office on any campus or by submitting a written, faxed request. Faxed requests can be sent to (501) 812-2316 and must contain the student’s name and student ID number, a statement of which course you wish to drop or a statement that you are withdrawing from all courses, your signature, and a copy of your state-issued photo identification. Instructors do not have an administrative drop option and cannot drop students from courses; it is entirely the student’s responsibility to complete the process if they wish to drop from the course.

Course Policies

The UA-PTC Catalog rules and regulations will be enforced in this course at all times.

Please consult the following website for more information: https://www.uaptc.edu/catalog

Professional behavior is required. Punctual attendance and intelligent participation are expected. Particulars, as determined by the instructor, are detailed in the paragraph(s) below.

Appropriate behavior is expected for all communications, including any notes, email messages, or telephone conversations. Some guidelines for communication are included in this syllabus to help you.
Campus Visitors Policy: Classrooms and laboratories are restricted to currently enrolled students only. Visitors are not allowed in any classroom or laboratory where a scheduled course is being taught. At no time are children allowed in the classroom during times when scheduled courses are being taught. Additionally, when it is necessary to bring children to campus, they may never be left unattended. At all times, children remain the sole responsibility of the parent.

Incompletes: The requirements for awarding a grade of incomplete, “I” can be found in the College Catalog on page 31 by using the following link: https://www.uaptc.edu/catalog.

Math Department Chair: Denise Hammett, dhammett@uaptc.edu. The department chair may be contacted as a next point of contact. The department chair will not overturn decisions made by the instructor based upon the policies or requirements of the syllabus.

Cell Phones: Please turn cell phones on vibrate mode during class time. Texting during class or doing other things on your phone or tablet or smart watch during class not related to the course is not a good idea as concepts being taught will be missed. No cell phone or other electronic devices (other than graphing calculator) can be used during tests.

Grading Policy

Letter grades will be based on the following scale:

- 90 to 100%  A
- 80 to 89%  B
- 70 to 79%  C
- 60 to 69%  D
- 0 to 59%  F

Homework/Participation: 15%
Quizzes: 10%
Regular Exams: 50%
Final Exam: 25% (Student will receive an F for the course for failure to take final exam).

Course Average will be calculated as follows: (Homework/Participation Avg * 0.15) + (Quizzes* 0.10) + (Regular Tests Avg * 0.50) + (Final Exam Avg * 0.25)

* Instructors have one week to provide feedback and post grades for all assignments unless otherwise noted by a departmental policy that has been approved by the Dean of the School.
Homework/Participation: 15% All homework will be worked in MyMathLab. MyMathLab will keep track of your homework grade which will be used in calculating your total grade. To be successful in the class, all homework should be worked. Homework should be worked out on paper and kept in an organized notebook so you will have something to study at test time. Answers obtained for the homework problems need to be entered in MyMathLab. You have learning aids to help you work the problems if you have trouble or need help. You are allowed to rework the homework assignments for extra practice and for a higher score (up to 100%) as many times as you like until the due date. You should strive to make at least 90% on each homework assignment.

Make-up/Late Submission Policy: Each assignment has a soft and hard deadline for completion. Students are allowed to submit homework assignments after the original soft deadline, with a 10% penalty on the assignment up to the hard deadline (exam day). Any missing assignments will be submitted with a grade of 0 after exam day.

Quizzes: 10% You will have both in class and online quizzes. To be successful in the class, all quizzes should be worked. Quizzes should be worked out on paper and kept in an organized notebook so you will have something to study at test time. Answers obtained for the quiz problems should be entered in MyMathLab. You have learning aids, in review mode only, to help you work the problems if you have trouble or need help. You are allowed to rework the quiz assignments for extra practice and for a higher score (up to 100%) as many times as you like until the due date. You should strive to make at least 80% on each quiz. Once the Due Date has passed, you a 0 will be submitted for the grade.

Regular Exams: 50% Four tests worth 100 points each will be given. Each exam is proctored, by the instructor, and can only be completed in class. The instructor will provide test paper to every student for the exams. Students will not be allowed to use personal paper for exams and will be required to number/write each question, show all work, and circle each answer to receive credit for the exam. Failure to follow these procedures will result in loss of credit.

Missed Exam: Exams that are missed cannot be made up. If one test is missed for any reason, the grade on it will be 0 until the end of the semester when the final exam percentage will be used as the score on that missed test. If more than one test is missed, the grade on the second missed test will remain a 0. Arrangements can be made to take a test at a different time if the instructor is notified in advance by the student and there is a legitimate reason for rescheduling (examples would be: surgery, National Guard training, funeral, jury duty, etc.). Any arrangement must be made before the day and time of the scheduled test. Exceptions on a case by case basis to be determined by the instructor.

PROHIBITED: Math textbook, Notes or formulas, Papers of ANY kind, Cell phones, tablets, and other mobile devices. Visible cell phones or other prohibited items are a violation of academic integrity and will result in a grade of zero for the exam. If you are caught using the items listed above, you will receive a grade of F on the exam and possible dismissal from the course.

Final Exam: 25% There will be a two-hour, multiple choice, comprehensive, paper/pencil final exam. If the final exam is missed, the student will receive a grade of “F” for the course. Your final exam is scheduled for Monday, May 7, 1:30 – 3:30 pm. A study guide will be given to help students prepare.
Academic Integrity

It is expected that all students who attend UA-PTC conduct themselves in a manner appropriate for the college experience. Academic integrity is a vital component of collegiate behavior. The UA-PTC catalog states, “The gaining of knowledge and the practice of honesty go hand-in-hand.”

The catalog also states, “The responsibility and authority of initiating discipline arising from violations of the rules against dishonesty during the process of the course are vested in the instructor of that course.”

The complete Academic Integrity Policy is in the UA-PTC code of conduct. [https://www.uaptc.edu/catalog](https://www.uaptc.edu/catalog)

Calculators: Graphing and scientific calculators are allowed. Please restrict calculator usage to all calculators below TI-86. The use of any calculator at or above TI-86 (including your cell phone) will be considered as a form of cheating (see Academic Integrity Policy).

Electronic Equipment: The use of electronic devices (i.e. cell phone, tablets, iPad, iPod, etc.) is strictly prohibited during proctored assessments (finals) and will be considered an act of academic dishonesty. The use of such devices during prohibited times may result in immediate dismissal from class, a grade of F within the course, will be reported to the Dean of Students, and may be recorded on your Academic Records at Pulaski Technical College.

Accommodation Policy

Services for Students with Disabilities: UA-PTC is committed to fulfilling all federal requirements as stated in the Rehabilitation Act of 1973, the Americans with Disabilities Act of 1990, and the American with Disabilities Amendments Act (ADAAA) of 2008. Accommodations are available to students who have documented disabilities. Students who request accommodations must register with the Disability Services Office (Main Campus: 501-812-2738 or South Campus: 501-812-2862) and must provide current and relevant documentation.

Students requesting accommodations should inform the instructor at the beginning of the course or as soon as accommodations are approved. It is the student’s responsibility to provide their Accommodation Letter to the instructor. Accommodations are not retroactive and will only be provided once your instructor receives the Accommodation Letter.

Student Code of Conduct

All students are expected to abide by the UA-PTC Student Code of Conduct. For the full Student Code of Conduct, access the most current version of the UA-PTC Academic Catalog. [https://www.uaptc.edu/catalog](https://www.uaptc.edu/catalog)
Sexual Misconduct

No person at UA-Pulaski Technical College will, on the basis of gender, be excluded from participation in, be denied benefits of, or be subjected to sex discrimination, sexual harassment or sexual misconduct under any education program or activity. All college administrative policies and procedures regarding sex discrimination, sexual harassment, and sexual misconduct are in compliance with Title IX. Students who feel they are victims of sexual misconduct should contact the UA-PTC Title IX Deputy Coordinator for Students:

Michelle Anderson, Director of Student Life and Leadership
Campus Center Building Room 216
501-812-2756
manderson@uaptc.edu

Course Evaluations

Students may be asked to evaluate their instructor and course near the end of the semester. These student evaluations are very important to the improvement in the quality of instruction and course materials. All results are anonymous and shared with the faculty only after the semester is over and grades have been posted.

Information Literacy

UA-PTC is committed to the Information Literacy Competency Standards for Higher Education as established by the Association of College and Research Libraries and endorsed by the National Forum on Information Literacy. Therefore, all courses will incorporate an information literacy component so that, by graduation, all students will be able to recognize the need for information, then locate, evaluate, synthesize, and communicate information in an ethical manner. Information literacy encompasses critical thinking, research, media, technology, health, business, and visual literacy skills to produce lifelong learners who can make informed decisions in the workplace and in their personal lives.
# Tentative Course Schedule

<table>
<thead>
<tr>
<th>Week</th>
<th>Mth</th>
<th>Day &amp; Date</th>
<th>Material Covered</th>
<th>Week</th>
<th>Mth</th>
<th>Day &amp; Date</th>
<th>Material Covered</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Jan</td>
<td>M-7</td>
<td>No Class</td>
<td>10</td>
<td>Mar</td>
<td>W-13</td>
<td>Exam #3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>W-9</td>
<td>Syllabus &amp; 1.1 Angles and Radian Measures</td>
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<td>2</td>
<td>Jan</td>
<td>M-14</td>
<td>1.2 Right Triangle Geometry</td>
<td></td>
<td></td>
<td>Mar</td>
<td>Spring Break</td>
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<tr>
<td></td>
<td></td>
<td>W-16</td>
<td>1.3 Trigonometric Functions of Any Angle</td>
<td></td>
<td></td>
<td>W-20</td>
<td>Spring Break</td>
</tr>
<tr>
<td>3</td>
<td>Jan</td>
<td>M-21</td>
<td>No Class–MLK Holiday</td>
<td>11</td>
<td>Mar</td>
<td>M-25</td>
<td>4.1 The Law of Sines</td>
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<tr>
<td></td>
<td></td>
<td>W-23</td>
<td>1.4 Trigonometric Functions: The Unit Circle</td>
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<td></td>
<td>W-27</td>
<td>4.2 The Law of Cosine</td>
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<tr>
<td>4</td>
<td>Jan</td>
<td>M-28</td>
<td>Unit 1 Study Guide</td>
<td>12</td>
<td>Apr</td>
<td>M-1</td>
<td>4.3 Vectors</td>
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<td></td>
<td></td>
<td>W-30</td>
<td>Exam #1</td>
<td></td>
<td></td>
<td>W-3</td>
<td>4.4 The Dot Product</td>
</tr>
<tr>
<td>5</td>
<td>Feb</td>
<td>M-4</td>
<td>2.1 Graphs of Sine and Cosine</td>
<td>13</td>
<td>Apr</td>
<td>M-8</td>
<td>5.1 Complex Numbers</td>
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<td></td>
<td></td>
<td>W-6</td>
<td>2.2 Graphs of Other Trigonometric Functions</td>
<td></td>
<td></td>
<td>W-10</td>
<td>5.2 Complex Numbers in Polar From; DeMoivre’s Theorem</td>
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<tr>
<td>6</td>
<td>Feb</td>
<td>M-11</td>
<td>2.3 Inverse Trigonometric Functions</td>
<td>14</td>
<td>Apr</td>
<td>M-15</td>
<td>5.3 Polar Coordinates</td>
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<td>W-13</td>
<td>2.4 Applications of Trigonometric Functions</td>
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<td>W-17</td>
<td>5.4 Graph of Polar Coordinates</td>
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<td>7</td>
<td>Feb</td>
<td>M-18</td>
<td>Unit 2 Study Guide</td>
<td>15</td>
<td>Apr</td>
<td>M-22</td>
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<td>W-20</td>
<td>Exam #2</td>
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<td>W-24</td>
<td>Unit 4 Study Guide</td>
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<td>8</td>
<td>Feb</td>
<td>M-25</td>
<td>3.1 Verifying Trigonometric Functions</td>
<td>16</td>
<td>Apr</td>
<td>M-29</td>
<td>Exam #4</td>
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<td>W-27</td>
<td>3.2 Sum and Differences of Formulas</td>
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<td>May</td>
<td>W-1</td>
<td>Review for Final</td>
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<tr>
<td>9</td>
<td>Mar</td>
<td>M-4</td>
<td>3.3 Double-Angle, Power-Reducing, and Half-Angle Formulas</td>
<td>17</td>
<td>May</td>
<td>M-6</td>
<td>Final 1:30 – 3:30 pm</td>
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<td>W-6</td>
<td>3.5 Trigonometric Equations</td>
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<td>W-8</td>
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</tbody>
</table>

**Disclaimer:** This schedule is a guide for the semester. The instructor reserves the right to amend the schedule as necessary.
Course Agreement Form

Read, complete, and return to instructor:

I have read the course syllabus for Jean Swillum Trigonometry class at UA-Pulaski Technical College, and I understand its content. I also understand the rules for the class, and I will follow and abide by these rules, including those relating to attendance, assignments, grading criteria, plagiarism, and behavior.

Attendance and active participation are required for success in this course. Additionally, I understand that my attendance may be submitted to college officials and reported to financial aid authorities.

I understand that Instructors cannot drop me from a course after the roster certification date if I have attended. However, I also understand that it is expected for success that I attend all courses and participate. I am responsible for my learning and success and not the instructor.

I understand that the final exam is a paper/pencil exam given during final exam week and cannot be given early. The exam is given in the classroom where the class is schedule for the semester.

I understand that I must do each of the following to be successful in this class.

1. Attend class regularly and pay attention while there - which means I will not daydream, I will not text, I will not be doing stuff on my phone, tablet or laptop.
2. Take good notes during every class and keep my notes/work in an organized notebook dedicated to Trigonometry.
3. Do all homework problems assigned as soon as the section is taught, bring those homework problems to class the next time and ask questions about those I did not understand.
4. Seek help from my instructor or from the free tutoring the college provides as soon as I don’t understand what is going on.
5. Study thoroughly for each test and don’t assume I can get by with just watching problems worked in class.

I understand that:

1. I need to use my UA-PTC email address to email my instructor.
2. If I fail to take the final exam it will result in a grade of “F” for the course.
3. If I miss an exam, I understand the missed exam policy outlined in the syllabus.

Semester

Date

Print name

Signature

UA-PTC Email address

Telephone