Instructor: Dr. H. Sayyar
Office: Science Center A19
Phone: 460 – 1366
e-mail: sayyar@uamont.edu
Office Hours: 9:00 – 10:00 AM, TH: 9:30-11:00 AM. MWF: 1:30 – 2:45 PM by appointment only.

Course: MATH 1033, Trigonometry, 3 credit hours (ACTS Equivalent Course: MATH 1203)

Course Corequisite: MATH 1043, College Algebra (ACTS Equivalent Course: MATH 1103)

Course Description: Definition of the trigonometric functions, solution of right and oblique triangles, trigonometric equations, and identities.

Text and other materials: Enhanced WebAssign, an online homework system which comes with e-text (Trigonometry, by McKeague and Turner, Published by Brooks/Cole-Cengage), and contains tutorials. The course key is: uamont 9712 7117. The student should enroll in WebAssign as soon as possible. A graphing calculator is recommended.

Learning Outcomes: By the end of this course, you should be able to:

1. Understand the definitions of the trigonometric functions from the perspectives of the right triangle, the coordinate plane, and the unit circle.
2. Solve right triangles.
3. Understand radian measure and convert between radian and degree measure.
4. Sketch the graphs of the trigonometric functions and various transformations of trigonometric graphs.
5. Understand and apply the inverse trigonometric functions.
6. Verify and apply identities, including the sum and difference formulas and the double- and half-angle formulas.
7. Solve trigonometric equations.
9. Understand vectors from both an algebraic and geometric perspective and apply them in the solution of problems.
10. Use the trigonometric form of complex numbers to multiply and divide complex numbers, raise a complex number to a given power, and find the roots of a complex number.

Special Policies:

1. There are no makeup tests or quizzes. (Exception: Absences for UAM-sponsored activities. Arrangements must be made in advance to take test early.) If a test is missed, the final exam percentage score will replace the missed test score. If more than one test is missed, the final exam score will replace the first missed test score, and all subsequent missed tests will be assigned a score of zero. If no tests are missed, the final exam score, if higher, will replace the lowest test score. The lowest two homework/quiz scores will be dropped.

2. The use of cell phones, music devices, etc. in class is prohibited, and all such devices are expected to be turned off and put away before class begins. Any student violating this policy will be asked to leave the classroom.
3. A student is not allowed to use a cell phone, tablet, or computer as a calculator on an exam or quiz. Any violation of this policy will be treated as an incidence of cheating, and the student will receive a 0 for the assignment.

4. Class attendance is critical to the success of the student. If a student misses more than six consecutive class meetings without informing the instructor of a valid and documentable reason, he/she will be considered to have stopped attending class. A last date of Attendance will be entered for the student in the WeevilNet system, and unless the student withdraws from the course before the last date to drop, his/her grade for the course will be F. This policy will remain in effect even if the student subsequently returns to class.

Course Content and Outline: The following dates are tentative and will be revised as necessary.

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<tr>
<th>Chapter</th>
<th>Topic</th>
<th>Exam Dates</th>
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<tr>
<td>Ch. 1.1 – 1.5, 2.1 – 2.5</td>
<td>Trigonometric Functions, Fundamental Identities, Right Triangle Trigonometry, Vectors</td>
<td>Tuesday, Sept 17</td>
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<td>Ch.3.1 - 3.5, 4.1 – 4.4</td>
<td>Reference Angles, Radian Measure, Unit Circle, Arc Length, Angular Velocity, Graphs of Trigonometric Functions</td>
<td>Thursday, Oct 17</td>
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<tr>
<td>4.7, 5.1 – 5.4, 6.1 – 6.3</td>
<td>Inverse Trigonometric Functions, Identities, Trigonometric Equations</td>
<td>Tuesday, November 12</td>
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<tr>
<td>Ch.7.1 – 7.6, 8.2 – 8.4</td>
<td>Law of Sines, Law of Cosines, Vectors, Complex Numbers</td>
<td>Thursday, December 5</td>
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<td>Final Exam</td>
<td>Comprehensive</td>
<td>Thursday, December 12, 8:00-10:00 AM</td>
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Homework: All homework will be done on WebAssign. It is the student’s responsibility to have access to an updated computer with reliable internet connection that is compatible with WebAssign.

Grading: There are three components to your grade: homework (100 points), four tests (400 points), and the final examination (100 points). Tests are announced in advance and cover those topics presented in the lecture and the homework. The final exam is comprehensive. The course grade is based on the percentage of points earned out of 600 possible points.

Grades are assigned using the following scales:

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

Important Dates:

- August 21 (Wednesday) Classes begin
- August 23 (Friday) Last day to register or add classes
- September 2 (Monday) Labor Day Holiday
- October 26 (Saturday) Homecoming
- October 30 (Wednesday) Last day to drop a course (Grade will be W)
- November 4 - 15 Preregistration for Spring 2014 term.
- November 27-29 Thanksgiving Holiday
- December 6 (Friday) Last day of classes
- December 9 - 13 Final exam period

Thursday, December 12, 8:00 – 10:00AM Final Exam
Students with Disabilities: It is the policy of the University of Arkansas at Monticello to accommodate individuals with disabilities pursuant to federal law and the University’s commitment to equal educational opportunities. It is the responsibility of the student to inform the instructor of any necessary accommodations at the beginning of the course. Any student requiring accommodations should contact the Office of Special Student Services located in Room 120 of Harris Hall, phone 870-460-1026, TDD 870-460-1626, fax 870-460-1926; email: whitingm@uamont.edu.

Student Conduct: Students at the University of Arkansas at Monticello are expected to conduct themselves appropriately, keeping in mind that they are subject to the laws of the community and standards of society. The student must not conduct him/herself in a manner that disrupts the academic community or breaches the freedom of other students to progress academically.

Academic Dishonesty: For any instance of academic dishonesty that is discovered by the instructor, the student(s) involved will receive a grade of “0” for that assignment. Also, the incident will be reported to the Office of Academic Affairs for further possible actions. Academic dishonesty includes:

1. Cheating: Students shall not give, receive, offer, or solicit information on examinations, quizzes, etc. This includes but is not limited to the following classes of dishonesty:
   a. Copying from another student’s paper;
   b. Use during the examination of prepared materials, notes, or texts other than those specifically permitted by the instructor;
   c. Collaboration with another student during the examination;
   d. Buying, selling, stealing, soliciting, or transmitting an examination or any material purported to be the unreleased contents of coming examinations or the use of any such material;
   e. Substituting for another person during an examination or allowing such substitutions for oneself.
2. Collusion: Collusion is defined as obtaining from another party, without specific approval in advance by the instructor, assistance in the production of work offered for credit to the extent that the work reflects the ideas of the party consulted rather than those of the person whose name is on the work submitted.
3. Duplicity: Duplicity is defined as offering for credit identical or substantially unchanged work in two or more courses, without specific advanced approval of the instructors involved.
4. Plagiarism: Plagiarism is defined as adopting and reproducing as one’s own, to appropriate to one’s use, and to incorporate in one’s own work without acknowledgement the ideas or passages from the writings or works of others.

For any instance of academic dishonesty that is discovered by the instructor, whether the dishonesty is found to be cheating, collusion, duplicity, or plagiarism, the result for the student(s) involved will be a 0 for the assignment in question. The incident will be reported to the Vice Chancellor for Academic Affairs for possible further actions.
1. ENROLL

Either your instructor enrolled you in a class and created a WebAssign® account for you, or she gave you a class key to enroll yourself and create your own account, if needed.

**I have a class key**
1. Go to [www.webassign.net](http://www.webassign.net) and click Have a class key?.
2. Enter the class key your instructor gave you and click Submit.
3. If the correct class and section is listed, click Yes, this is my class.
4. Either provide your existing WebAssign account information or create a new account.
   - Select I already have a WebAssign account, enter your account information, and click Continue.
   - Select I need to create a WebAssign account, enter the requested information, and click Create My Account.

**I don't have a class key**
1. Click Have a class key?
2. Enter a class name or instructor name and click Submit.
3. Enter your name and student ID and click Continue.
4. If the instructor or class is listed, click Yes, this is my class.
5. Enter your payment information and click Continue.
6. Click Complete Purchase.
7. Close your receipt and start working in WebAssign.

2. LOG IN

These instructions apply for most schools. Some schools use alternative login sites.

2. Type your Username, Institution code, and Password.
3. Click Log in.
4. If you are enrolled in more than one class, select a class from the My Classes menu.

**Note:** The first time you log in, change your password.

If you can't log in to WebAssign:
- Look up your username
- Change your forgotten password

3. PURCHASE ACCESS

WebAssign gives you free access for two weeks after the start of class. To continue using WebAssign after that, either enter an access code or purchase access online.

**I have an access code**
1. Confirm your code is valid on the Access Card Prefix Check page.
2. Log in to WebAssign.
3. Select enter an access code.
4. Select your access code prefix.
5. Enter your access code and click Continue.

**I do not have an access code**
1. Log in to WebAssign.
2. Select purchase access online and click Continue.
3. Select items, confirm any license agreements, and click Enter payment information.
4. In the PayPal page, provide your payment and contact information and click Continue.
5. Review your order and click Complete Purchase.
6. Close your receipt and start working in WebAssign.

4. LEARN

Your current assignments are listed on the Home page for each class.

1. Click the assignment name.
2. Answer the assignment questions.
   - WebAssign supports many different question types. Some questions display a tools palette or open in a new window.
3. Submit your answers.
4. Review your marks and feedback.
   - Usually you will see ✔ or ✗ for each answer.
5. Change your incorrect answers and submit again.
6. When you are done, always click Log out.

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**SYSTEM REQUIREMENTS**

WebAssign is tested and supported for the following Web browsers:

- Mozilla® Firefox®, version 12 or later
- Windows®
- Mac® OS X
- Linux®
- Internet Explorer®, version 8 or later
- Windows
- Google® Chrome™, version 19 or later
- Windows, Mac OS X
- Apple® Safari®, version 5.1 or later
- Mac OS X, iOS 5 or later on iPad®, Windows®

**PAYPAL SUPPORT**

For payment problems, contact PayPal at [paypal.com](http://paypal.com) or 1-402-935-2050.

**MORE INFORMATION**

Search the online help for answers to most questions.

**CUSTOMER SUPPORT**

- Online help: click ₹
- Call: (800) 965-8275
- Submit a customer support request

**BROWSER SETTINGS**

Configure the following settings in your Web browser:

- Allow cookies and pop-up windows from [www.webassign.net](http://www.webassign.net).
- If you are accessing WebAssign from Blackboard, accept third-party cookies.
- Do not allow your browser to store your WebAssign password.

The WebAssign Customer Support staff cannot:

- Change your username or password
- Give extensions
- Change your score
- Give you extra submissions
- Help you with the content of assignments
- Resolve problems with PayPal payments