

Course Name: **Trigonometry with Applications** **Course Number:** **Schedule:**
Monday, Wednesday, Friday 9 – 9:55 AM C383
Instructor: *Marie Dupuis* **Office:** C471
Phone: 297-7432 **E-mail:** dupuism@matc.edu
Office Hours: MWF 10-10:55am, T 10 – 11:55

Prerequisites: MATH 201 (College Algebra) or one and on-half years of high school algebra, one year of high school geometry and a satisfactory score on the placement test.

Test: **Trigonometry, Fourth** Edition, Charles P. McKeague
Optional Student Solutions Manual available in bookstore

Supplies: TI-85, TI-86, TI-83+, TI-89 or other programmable graphing calculator required
Notebook or 3 ring binder

Course Description:

Topics include circular functions, graphing of trigonometric functions, identities, equations, trigonometric functions of angles, inverse functions, solutions of triangles, complex numbers, DeMoivre's Theorem, polar coordinates, and vectors. Learning involves extensive use of the graphing calculator.

How Progress is measured: Your grade in this course will be determined by 4 one hour tests, 4 quizzes, and a final exam.

Attendance is very important as discussions and lectures cannot be repeated. Completing homework assignments by the next class period is important so that difficulties can be discussed in class.

Tests must be taken when scheduled in the syllabus or as rescheduled by the instructor. **ONLY ONE TEST AND ONE QUIZ may be made up due to an absence.** A make up test must be taken within one week of the original date of the test in S215, the Test Monitoring Center. Any additional missed tests will be graded a "0". A makeup quiz must be completed within 2 class periods of the original date of the quiz. (For example, if a quiz was originally scheduled for Monday, you must have completed it by Friday of that week.) Any take home items **MUST** be returned on time. Late items will have 20% of the grade deducted for every day the item is late and will not be accepted later than two class periods after the original date. If you must be absent on the day an assignment is due, mail or email the assignment to your instructor on the due date to get full credit for the assignment.

A grade of incomplete can only be given for students missing no more than one test and the final exam, who are currently in good standing and have a severe and sudden situation (such as hospitalization) near the end of the semester. Incompletes not made up within the following semester become grades of U.

Final Grade Determination: Point values of each item involved in your grade are:

4 tests	400 points
4 quizzes	100 points
final exam	100 points

Grades will be based upon the following grading scale:

<u>Percentage of Possible Points</u>	<u>Grade</u>
92.5-100	A
89.5-92.4	A-
87-89.4	B+
82-86.9	B
79.5-81.9	B-
77-79.4	C+
72-76.9	C
69.5-71.9	C-
67-69.4	D+
62-66.9	D
59.5-61.9	D-
below 59.5	U

Extra help:

Students are encouraged to contact the instructor before or after class, and during office hours, if they have questions or problems related to the class. It is suggested that students contact the instructor immediately in order to avoid falling behind in class. Please do not wait until the end of the semester to discuss issues that should have been resolved much earlier.

In addition to your instructor, extra help is available from the following centers/services:
All services are open: Mon-Thurs 8 a.m. - 9 p.m., Fri 8 a.m. - 4 p.m.

MAIN CAMPUS

Math Center, Room C271, Phone 297-6702
Tutoring Services, Room C201, Phone 297-6791

NORTH CAMPUS

Academic Support Center, Room A108, Phone 238-2220
Tutoring Services, Room A108, Phone 238-2220

SOUTH CAMPUS

Academic Support Center, Room A203, Phone 571-4647
Tutoring Services, Room A203, Phone 571-4606

WEST CAMPUS

Academic Support Center, Room 249, Phone 456-5334
Tutoring Services, Room 249, Phone 456-5334

Resolving Problems:

MATC has established a formal system to assist students in resolving academic problems and course-related issues. In order for a complaint to be valid, the following steps must be followed in order:

Step 1: Meet with the instructor to discuss any questions related to the course (e.g., requirements or assignments) or if you are experiencing academic problems. If the issue is unresolved after meeting with the instructor,

Step 2: Meet with the associate dean of the department. If the issue is unresolved after meeting with the associate dean,

Step 3: Meet with the dean of the department. If the issue is unresolved after meeting with the dean,

Step 4: Go to the Office of Student Life for assistance.

ATTENDANCE POLICY

Attendance will be taken on a daily basis. Students are expected to attend class regularly and to arrive on time. It is the student's responsibility to discuss absences with the instructor. When an absence occurs, the student is responsible for arranging with the instructor to make up the work. The instructor may initiate a withdrawal for attendance problems.

You are also responsible for completing all course requirements. If you miss a class, it is your responsibility to contact the instructor, in advance if possible, and obtain the makeup work assignments. Your instructor will attempt to assist you in arranging makeup work as much as is reasonably possible. Reminder: Each lecture hour requires at least two additional hours of student preparation. A Student Syllabus Receipt must be signed and returned to your instructor, which indicates you understand course requirements and grading.

If MATC is closed because of a snowstorm or other emergency, continue working on the assignments as shown in the Daily Class Schedule so you will not get behind in your work. The official closing of MATC will be aired on Channel 10 TV.

WITHDRAWALS AND INCOMPLETES

If you have documented health or unusual personal problems affecting your attendance and your instructor agrees that you can make up the work, you may be allowed to continue and may be advised to use MATC support services (e.g., child care, financial aid, counseling, academic support, etc.). However, if your instructor determines you cannot complete the work or you will hinder instruction of other students, you will be withdrawn. To **appeal** you must go to the academic dean and request reinstatement. If you are appealing, you may stay in class until the drop is official, unless your presence may cause a safety hazard to yourself or others.

A. INSTRUCTOR-INITIATED WITHDRAWALS

You may be dropped for absenteeism when:

- 1) Your consecutive absences exceed the number of class meetings per week, or on the third consecutive absence in the case of classes which meet once each week.
- 2) Your attendance is sporadic (e.g., you miss seven class periods for a class meeting three periods a week), and you are unable to make up the instruction missed.
- 3) You fail to meet attendance requirements of licensing agencies.

- 4) You pose a safety hazard to yourself or others because of missed instruction critical to safe class or lab performance.
- 5) You are unable to make up instruction missed in a lab/shop class.
- 6) You have not attended class during the first two weeks of the term.

B. STUDENT-INITIATED WITHDRAWALS

Students who are considering dropping the course should first discuss this with their instructor, counselor, or faculty advisor before dropping. They may be able to recommend an alternative course of action.

Students who wish to drop a course may voluntarily withdraw from the course up to two weeks before the last day of the semester. Course Change forms are available in the Registration office at the Milwaukee Campus or in Student Services at the regional campuses.

The last day you may voluntarily withdraw from a course without a signature is **two weeks before the last day of the semester**. You are considered enrolled in courses until you officially withdraw. You may withdraw from a course using TouchTone registration by calling 297-7462. To withdraw from a course you may also complete a Course Change Form.

Withdrawal before the last two weeks of class: Complete the Course Change Form (available in the Registration & Records Office **or** the Academic Dean's Office).

Withdrawal within the last two weeks of class: Complete the Course Change Form (available in the Registration and Records Office or the Academic Dean's Office). Obtain the signature of the instructor **or** the Associate Dean **or** the Instructional Chairperson.

MAIN CAMPUS

Dr. Daniel Burrell, Dean of Liberal Arts & Sciences, Room M214, Phone 297-7043
Dr. Kimberly Farley, Associate Dean of Liberal Arts & Sciences, Room M214, 297-8187
Marie Dupuis, Instructional Chair, Room C471, 297-7432

NORTH CAMPUS

Dr. Deryl Davis-Harrison, Associate Dean, 262-238-2476
Betsy Stern, Instructional Chair, 262-238-2255

SOUTH CAMPUS

Mr. James Walsh, Vice President, Room A200B, Phone 571-4721
Ray Gonsiorowski, Instructional Chair, 571-4659

WEST CAMPUS

Dr. Wilma Bonaparte, Associate Dean, Room 256, Phone 456-5323
Laura Reger, Instructional Chair, 456-5340

C. INCOMPLETES

An incomplete will be considered only under extreme circumstances, and at the discretion of the

instructor. The student must have a passing average of C-, and the course must be carried to the end of the semester. In addition: no more than one chapter test and the final examination may be missing. The student must request the incomplete and sign the incomplete contract. Within the first two weeks of the following semester, you must make arrangements with your instructor to complete the course. Failure to complete the requirements within the following semester results in a grade of U. Missing the final examination without making arrangements for an incomplete will also result in a grade of U for the course.

AMERICAN WITH DISABILITIES ACT STATEMENT

If you have a disability that impacts your classroom performance and wish to request an accommodation, contact the Center for Special Needs at (414) 297-6838. They may require documentation regarding your disability to enable them to comply with your request. Admission of a disability is voluntary and will be handled in a confidential manner. MATC does not discriminate against individuals with disabilities and fully complies with the Americans With Disabilities Act. To ensure your academic success in this program, you are strongly encouraged to provide your instructor with a copy of the Instructor Notification Form from the Center for Special Needs.

Credit Transfer

If you are concurrently enrolled at MATC and a four-year institution, or if you wish to continue your education at a four-year institution after leaving MATC, it is highly recommended that you contact the Admissions department of the college or university to which you plan to transfer for more detailed credit transfer information. Be aware that, in some cases, approval is needed by the four-year institution before you register for a course at MATC and that it is the option of the four-year institution to not accept credits transferred from MATC if prior approval is not obtained.

CHANGES IN SYLLABUS AND CLASS CALENDAR

The attached schedule and procedures in the course are subject to change in the event of extenuating circumstances or at the discretion of your instructor.

MATC Core Abilities

The Core Abilities are skills that allow students to continually adapt and learn. They have been called “employability skills,” soft skills, and professional attributes. You may not be tested for all of the Core Abilities directly, but you will demonstrate or apply them to complete lessons or to improve skills. The Core Abilities and indicators are listed below, and the ones you will be focusing on in this course are checked.

Core Ability	Applies to Course (●)
Communicate Effectively	
a. Use effective oral communication skills	X
b. Use effective written communication skills	X
c. Apply standard rules of language structure, including grammar and spelling	X
d. Listen actively to others	X
e. Derive meaning from text	X
f. Communicate in a bias-free manner	X
g. Support viewpoints with evidence	X
Collaborate with Others	
a. Demonstrate respect in relating to people	X
b. Cooperate and resolve conflicts effectively	
c. Participate in shared problem solving	X
Respect Diversity	
a. Acknowledge personal prejudices and biases	
b. Appreciate perspectives of people outside own background/culture	
c. Work collaboratively with persons from other backgrounds/cultures	X
d. Demonstrate sensitivity to global issues	
Demonstrate Responsibility	
a. Attend classes as scheduled	X
b. Turn in quality work	X
c. Adhere to safety rules and regulations	
d. Act professionally to fulfill job duties within chosen field	
e. Demonstrate flexibility and self-directedness in learning	X
g. Practice environmental sensitivity in profession	
Think Critically	
a. Differentiate between fact and fiction	
b. Consider other viewpoints and perspectives	X
c. Present logical arguments	X
d. Evaluate sources of information to solve problems	X
Utilize Technology	
a. Use technology to communicate	X
b. Solve problems using technology	X
c. Use appropriate technology to manage information	X
d. Recognize the impacts of technology	X
Apply Math and Science	
a. Apply math concepts and principles appropriately	X
b. Apply scientific concepts and principles appropriately	X
c. Interpret meaning from quantitative data	X
d. Interpret meaning from scientific data	X