MATH 123 – Trigonometry
Flipped Course Design

COURSE SYLLABUS

INSTRUCTOR: Jon-Michael Wimberly
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OFFICE: Hume 205
OFFICE HOURS: M/W 2:30 – 4:30 p.m.
Tu/Th 10:30 a.m. – 12:30 p.m.


COURSE DESIGN:

• A flipped course is one where the traditional content delivery model is changed such that content delivery occurs outside of the classroom in the form of lecture videos posted online.
• The purpose of this flipped model is to allow classroom time to be used to explore more complicated problems and build skills with the support of the instructor present.

LEARNING OUTCOMES:

• Students who successfully complete Math 123 will be able to work with angles in degree or radian measure, write the ratio definitions of the six trigonometric functions, evaluate trigonometric functions of special angles, sketch graphs of trigonometric functions, verify trigonometric identities, solve trigonometric equations, and solve application problems using trigonometric functions and identities.

LECTURE ASSIGNMENTS (HOMEWORK):

• In this course, content will be delivered outside of class in assignments that combine lecture videos and homework problems. These assignments will count as 100 points toward the final grade.
• There will be times during the semester where assigned problems will be done in class. These can be counted toward the overall grade.
• The lowest homework assignment grade will be dropped at the end of the semester.
• Homework assignments will be done on the computer using the MyMathLab software.
• Homework assignments may be done as many times as needed before the due date, with only the best score counting toward the student’s grade.
• For full credit on these assignments, they must be completed by the associated due date.
  o Assignments that contain content delivery will unlock as we move through the semester and will be due at the beginning of class time on the associated date.
  o Assignments that are done in class will unlock at the beginning of class and will be due at 11:59 p.m. on that same day.
• Homework assignments may be completed after their due dates until Sunday, December 8th, 2019 for half credit.
TESTS and PRACTICE TESTS:

- There will be five (5) Tests taken in class during the semester. Each test is worth 100 points for a total of 500 points toward the overall grade.
- There will be a Practice Test for each of the five tests and the final exam. The Practice Test is taken through the MyMathLab website and serves as a test review.
- Practice Tests are due by the beginning of class on the day of the corresponding test.
- Practice Tests can be taken an unlimited number of times and only the highest score is kept.
- Each Practice Test is worth a maximum of 5 bonus points applied to its associated test. If your highest score on Practice Test 1 were an 89.3, then you would receive 89.3% of 5 points (0.893*5 = 4.465 points) added to your Test 1 score.

REPLACEMENT GRADE POLICY:

- There are no make-up tests given in this class for any reason. If a test is missed for ANY reason, a grade of zero (0) will be given.
- There will be times students must miss test dates for unforeseen reasons. To protect students from these situations, this class employs a Replacement Grade Policy.
- In the case where a student must miss an exam, the student will take a 0 score on the missed test and the percent correct score on the final exam will replace the grade of 0 for the missed test.
- If no test is missed, then the Replacement Grade Policy will still apply. In this case, the score on the final exam will replace the lowest of the test grades provided the score on the final exam is greater than the lowest test grade. If the score on the final exam is lower than the lowest of the tests, then no score is replaced.
- While the Replacement Grade Policy also applies to students who take all tests, the Replacement Grade Policy is designed to protect students who must miss a test due to unforeseen reasons. The Replacement Grade Policy is not designed as a buffer for the overall grade.
- Any student who must miss a scheduled test because of an official University function must reschedule and take the test at a time BEFORE the scheduled time of the exam. NO OTHER rescheduling will be allowed.

FINAL EXAM:

- The final exam is comprehensive and will count 200 points.
- Any student who must miss the final exam because of an official University function must reschedule the exam on some other mutually satisfactory date.
- Any student having three or more final exams scheduled for the same day will arrange with the instructor to take either the 12:00 p.m. OR the 7:30 p.m. exam on some other mutually satisfactory date.
- Every student must take the final exam at the time scheduled. The only exceptions are the students affected by the two situations above.
- An “I” grade will not be given without the permission of the Department of Mathematics.
**FINAL GRADE:**

- The cumulative total for the course is 800 points (100 HW, 500 Tests, 200 Final Exam). The following point scale will be used to determine your final grade:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Points Necessary for Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>720 to 800</td>
</tr>
<tr>
<td>A-</td>
<td>704 to less than 720</td>
</tr>
<tr>
<td>B+</td>
<td>688 to less than 704</td>
</tr>
<tr>
<td>B</td>
<td>640 to less than 688</td>
</tr>
<tr>
<td>B-</td>
<td>624 to less than 640</td>
</tr>
<tr>
<td>C+</td>
<td>608 to less than 624</td>
</tr>
<tr>
<td>C</td>
<td>560 to less than 608</td>
</tr>
<tr>
<td>C-</td>
<td>544 to less than 560</td>
</tr>
<tr>
<td>D</td>
<td>480 to less than 544</td>
</tr>
<tr>
<td>F</td>
<td>below 480</td>
</tr>
</tbody>
</table>

- You can easily calculate your percentage using \((\text{Points Earned})/(\text{Points Available})\)*100.

**ATTENDANCE POLICY:** There is an attendance policy for this class.

- Students are allowed five (5) absences in a MWF section without penalty.
- Students are allowed three (3) absences in a TTh or MW section without penalty.
- Students who accumulate more absences than are allowed for their specific section will have ten (10) points deducted from their final point total FOR EACH absence above the limit for their respective section.
- Attendance is taken via the student ID card scanners in class. The scanners open 10 minutes before class starts and close 10 minutes after class begins. Students are required to have their student ID to scan into class. Attendance will not be taken without a student ID card.
- Students must take the responsibility of telling the instructor in advance if they must leave early, and must discuss with the instructor immediately after class if they entered the classroom after class has begun. It is the student’s responsibility to make sure that their attendance record is correct.
- Attendance fraud is a form of academic dishonesty. Students engaging in fraud will fail the class and be reported to the university for further disciplinary action. If a student must leave class after signing in, it is the responsibility of the student to communicate with the instructor before class begins.
- If an emergency arises and a student must leave class after scanning in, then the student must notify the instructor within 24 hours of the end of class.
- Random attendance checks will be made in the form of role call at some point in class. If a student has been scanned into class using his or her student identification card but is not present for random role call, then that student will be found to have fraudulently attended class.
TEST INFORMATION:

- Tests will be administered during regular class meetings in the regular classroom (not the Jackson Avenue Center).
- Each student will be given a maximum of fifty-five (55) minutes to complete the test.
- Under no circumstance will a late or make-up test be given to any student.

CALCULATORS:

- Graphing calculators are welcome in this course. Please note, however, that calculators with a Computer Algebra System and/or a QWERTY keyboard are not allowed during tests. This includes, but is not limited to, TI-89, TI-92, Casio Algebra FX 2.0, and TI Multi-View calculators.
- Basic, four function calculators will be allowed on each test. These calculators will be provided to you on the day of the test. You will not be allowed to use your own calculators on the tests.
- Cell phones and other electronic devices are not allowed during tests under any circumstances. This includes smart watches due to their ability to communicate with phones remotely.
- If a student is caught using a cell phone or any other unapproved electronic device for ANY reason during an exam, he/she will receive a grade of zero (0) on said test that cannot be replaced.

ELECTRONIC DEVICES:

- All cell phones, pagers, and other electronic equipment should be turned off and put away during the class period.
- Students will not be allowed to wear headphones during the class at any time.

CHEATING:

- The following statement is the policy of the Department of Mathematics in MATH 123 regarding cheating:

  Offenses: Cheating on any exam or quiz, theft or attempted theft of exam questions, possession of exam questions prior to an examination, or the use of an illegal calculator on tests shall all be offenses subject to appropriate penalties.

  Penalties: The penalty for commission of any offense set out above is failure in the course and, subject to the approval of the Chancellor, dismissal or suspension from the University.

WITHDRAWAL DEADLINE: Monday, October 7th

- After the Course Withdrawal Deadline, courses dropped will be recorded on University records and the grade of W will be recorded if the student is not failing the course at the time of withdrawal; otherwise, the grade of F will be recorded. After the course withdrawal deadline, a student may drop a course only in cases of extreme and unavoidable emergency, as determined by the academic dean. Dropping a course after the deadline will not be permitted because of dissatisfaction over an expected grade or because the student is changing his/her major.
DISABILITY ACCESS AND INCLUSION:

- The University of Mississippi is committed to the creation of inclusive learning environments for all students. If there are aspects of the instruction or design of this course that result in barriers to your full inclusion and participation, or to accurate assessment of your achievement, please contact the course instructor as soon as possible. Barriers may include, but are not necessarily limited to, timed exams and in-class assignments, difficulty with the acquisition of lecture content, inaccessible web content, and the use of non-captioned or non-transcribed video and audio files. If you are approved through SDS, you must log in to your Rebel Access portal at [https://sds.olemiss.edu](https://sds.olemiss.edu) to request approved accommodations. If you are NOT approved through SDS, you must contact Student Disability Services at 662-915-7128 so the office can: 1. determine your eligibility for accommodations, 2. disseminate to your instructors a Faculty Notification Letter, 3. facilitate the removal of barriers, and 4. ensure you have equal access to the same opportunities for success that are available to all students.