COURSE DESIGNATION

- MAT 105. PLANE TRIGONOMETRY. Trigonometric functions; identities; trigonometric equations; applications.
- A student who has earned credit in MAT 106 cannot receive credit for this course.
- Prerequisite or Co-requisite: MAT 104.
- 3 hours.

ACADEMIC NEEDS:
If a student has a disability that qualifies under the American with Disabilities Act and requires accommodation, the student should contact Dr. Richard Houston (662-846-4690) for information on appropriate policies and procedures.

ATTENDANCE POLICY

- Being in each class for the entire period is directly related to doing well in mathematics.
  - You are responsible for all things we do in class.
  - If you are absent, it is your responsibility to understand what you missed. This is very important.
- For classes that meet two days a week, students are allowed a maximum of seven (7) absences, excused and unexcused.
  - A student who has more than seven absences automatically earns a grade of “F” in this course.
  - Absences will begin to accrue the first official day the class meets, regardless of when you actually enroll in the class.
  - A student who is more than ten (10) minutes late or leaves the classroom for more than ten (10) minutes earns an absence.
  - Three tardies will count as an absence.
- If a student is tardy, it is the student’s responsibility to see that the absence is changed to a tardy on the day that the tardy occurs.
- Perfect attendance will be rewarded at the end of the semester.
  - Two points will be added to your final semester average if you have no absences, excused or unexcused.
  - One point will be added if you have only one absence, excused or unexcused.

CONTENT TO BE CONSIDERED:

- The trigonometric functions
- Graphs of trigonometric functions
- Inverses of trigonometric functions and the graphs
- Solutions of right triangles
- Trigonometric identities
- Application of trigonometric functions to real world problems

ELECTRONIC DEVICES

- All electronic equipment should be turned off and put away during the class period.
- Use of any electronic equipment not approved by your instructor during a test will be considered cheating and appropriate action will be taken.

EVALUATION AND GRADING

The grading scale used in this course is the following percentage of total points:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>A</td>
<td>100%-90%</td>
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<tr>
<td>B</td>
<td>89%-80%</td>
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<tr>
<td>C</td>
<td>79%-70%</td>
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<tr>
<td>D</td>
<td>69%-60%</td>
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<tr>
<td>F</td>
<td>Below 60%</td>
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- A comprehensive final exam will be administered and will constitute two sevenths of the grade for the semester.
- A series of class tests, pre-announced, will be administered during the semester and returned promptly to the students. Any person who must miss a scheduled test due to an official university function must take the test BEFORE the assigned test time. Official documentation must be provided. There will be no make-up tests. Your first missed test may be replaced by your exam. Any other missed test will count as a zero.
- Unannounced daily quizzes may be given throughout the semester
- Homework assignments will be made for each assigned section of the text.
  - Homework is due at the beginning of the period.
  - No late homework will be accepted.
- The homework/quiz grade will count the same as a major test grade.
- To receive full credit for a problem (whether on the exam, test, quiz, or homework), students must show all work for the problem as well as arrive at a correct answer.
- Cheating or plagiarism will result in serious academic penalty, including, but not limited to, a zero on the work in question.
GENERAL OBJECTIVES:
Upon completion of the course, the student will be able to:
- Define and evaluate trigonometric functions.
- Graph trigonometric functions and recognize their graphs.
- Prove trigonometric identities and simplify trigonometric expressions.
- Solve trigonometric equations.
- Solve triangles, given sufficient data, and use trigonometry to solve application problems.

IMPORTANT DATES
- January 26    Last day to change from credit/audit
- January 27    Last day to withdraw without W/F
- April 30      Last day to withdraw from a course with W/F
- May 4         8 am COMPREHENSIVE FINAL EXAM

PRESENTATION METHODS
- Lecture,
- co-operative learning through group work, and
- class discussion.

REQUIREMENTS AND ACTIVITIES
- Regular and punctual attendance, as determined by the regulations of the University and the Department, is necessary for successful completion of this course.
- Participation in class discussion and group work is encouraged.
- A scientific calculator will be needed.
- Homework exercises and classroom quizzes will be completed by the student and graded at the discretion of the instructor.
- Scheduled tests will be given periodically throughout the semester. Students will be given adequate notice.
- A comprehensive final exam will be given as scheduled at the end of the semester.

SCHEDULE OF CLASSES (DR. H):

<table>
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<tr>
<th>Monday</th>
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<th>Thursday</th>
<th>Friday</th>
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<tbody>
<tr>
<td>8:00 - 3:00</td>
<td>8:00 - 9:15</td>
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<tr>
<td>Student intern</td>
<td>9:25 - 10:40</td>
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<td>5:30 - 8:30</td>
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TEACHER AND OFFICE HOURS
Dr. Leslie Horton      Email: lhorton@deltastate.edu      Walters 270-D      Office: 662-846-4512

It is extremely important that you understand the day's material and complete the homework assignments from each class meeting before we meet another class. Please feel free to call during the hours below or at other appropriate times.

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<th>Monday</th>
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<tbody>
<tr>
<td>10:40 - 12:10</td>
<td>3:00 - 5:00</td>
<td>3:00 - 5:00</td>
<td>10:40 - 12:10</td>
<td>3:00 - 6:00</td>
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TEXT

WITHDRAWAL
- The withdrawal process is not complete until the drop slip has been signed by all designated parties and the completed form has been turned in to the Registrar's office.
- Students who remain in the course after January 27 and who elect to withdraw from the course will receive a grade of W if passing or F if failing the course at the time of the withdrawal.