

Course Syllabus  
MTH 163.14  
Plane Trigonometry  
Fall 2008

**Location:** LDB 209  
**Time and Days:** Tuesday Thursday 11:00 a.m. – 12:20 p.m.  
**Professor:** Dr. Luis Garcia-Puente  
**Office:** 417B Lee Drain Building  
**Telephone:** (936) 294 – 1581  
**e-mail:** lgarcia@shsu.edu  
**course web site:** <http://www.shsu.edu/~ldg005/mth163/>  
**Office hours:** Monday, Wednesday 12:00 – 2:00 and by appointment.

**Course Description:** This course includes the study of trigonometry in the plane, including the graphs and inverses of all trigonometric functions, proving identities, and solving triangles. Each class will be primarily lecture-oriented.

**Course Objectives:** Students completing this course should have mastery of the following major concepts. Other techniques and ideas will also be covered.

- all trigonometric functions, their graphs and inverses
- solving triangles
- proving identities
- vectors
- complex numbers
- polar coordinates

**Required Textbook:** *Trigonometry 6<sup>th</sup> Edition*, by McKeague and Turner. Thomson Brooks/Cole.

**Required Supplies:** A graphing calculator - TI-83 or TI-84 recommended. Calculators with Computer Algebra Systems such as TI-89 will not be allowed. Any questions regarding the proper calculator should be brought to the instructor. Each

student must supply his/her own writing instrument and note paper. It is the responsibility of the student to obtain all course materials at the beginning of the semester. We will be using the text in class and the student is expected to have their own copy during class time.

**Attendance Policy:** Regular and punctual attendance for this course is mandatory. If class must be missed, the student is expected to get the notes from a classmate, and to check the web-page for announcements and updated assignments. For all documented and university-approved absences (e.g. hospitalization, court appearances, university athletic conferences, etc...) students must immediately contact and inform the instructor of the situation and present proper documentation upon re-entering the classroom.

Students are expected to arrive to class on time. If a student is perpetually late, they will be asked not to attend class unless they arrive on time. If tardiness becomes a problem for the class as a whole, people who arrive late will not be permitted to enter the class. If this stricter policy becomes necessary, there will be an announcement made in class and posted on the web-page.

### **Assignments:**

1. **Homework:** Homework will be assigned in class each day. Homework will not be collected, but students are encouraged to check their work with the solutions manual. Assignments can be found online on the course website.

It is the student's responsibility to ask questions about homework problems which the student was not able to complete or did not understand. It is the student's responsibility to come to office hours, or otherwise contact someone for help. You may contact me via e-mail if you cannot make it to office hours, and I will try to answers questions as clearly as I can via e-mail. It is also the student's responsibility to do as many problems from each section as you need to in order to feel comfortable with the material.

2. **Quizzes:** There will be daily short quizzes, consisting of questions from the homework or the previous day's lecture. Each quiz will be given during the last 10-15 minutes of class. No make-ups are allowed under any circumstances. To compensate for this, the two lowest quizzes will be dropped.
3. **Class Participation:** At the beginning of class each day, students will be expected to present a homework problem to the class. Each student should have several problems prepared each day, and will be asked to write a complete

solution on the chalkboard. Grades will be assigned based on the number (and frequency) of problems presented, as well as the completeness of the solutions. Participation will only be allowed if the student has worked on the particular problem ahead of time.

**Exams:** There will be four exams during the semester. Exam 4 will be given on the date of the class final exam. The exams are tentatively scheduled to occur on:

Exam 1: Thursday, 17 September
Exam 2: Thursday, 16 October
Exam 3: Tuesday, 11 November
Exam 4: Thursday, 18 December

Any changes to this schedule will be announced in class and posted on the webpage. There will be no makeup exams, except for official University-sponsored activities.

**Grading Plan:** The course grade is based on:

Participation	5% (extra credit)
Quizzes	20%
Exam 1	20%
Exam 2	20%
Exam 3	20%
Exam 4	20%

There is no curve in this class, and no additional extra credit, so keep up as the semester progresses. The course grade will be assigned via the following scale.

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

**Academic Dishonesty:** All students are expected to engage in all academic pursuits in a manner that is above reproach. Students are expected to maintain complete honesty and integrity in the academic experiences both in and out of the classroom.

**Any student found guilty of dishonesty in any phase of academic work will be subject to disciplinary action.** The University and its official representatives may initiate disciplinary proceedings against a student accused of any form of academic dishonesty including, but not limited to, cheating on an examination or other academic work which is to be submitted, plagiarism, collusion and the abuse of resource materials.

**Classroom Rules of Conduct:** Students will refrain from behavior in the classroom that intentionally or unintentionally disrupts the learning process and, thus, impedes the mission of the university. Cellular telephones and pagers must be turned off before class begins. Students are prohibited from using tobacco products in class, making offensive remarks, reading newspapers, sleeping, talking at inappropriate times, wearing inappropriate clothing or engaging in any other form of distraction. Inappropriate behavior in the classroom shall result in a directive to leave class. Students who are especially disruptive also may be reported to the Dean of Students for disciplinary action in accordance with university policy.

**Visitors in the Classroom:** Unannounced visitors to class must present a current, official SHSU identification card to be permitted in the classroom. They must not present a disruption to the class by their attendance. If the visitor is not a registered student, it is at the instructor's discretion whether or not the visitor will be allowed to remain in the classroom.

**Student Absences on Religious Holy Days Policy:** Section 51.911(b) of the Texas Education Code requires that an institution of higher education excuse a student from attending classes or other required activities, including examinations, for the observance of a religious holy day, including travel for that purpose. A student whose absence is excused under this subsection may not be penalized for that absence and shall be allowed to take an examination or complete an assignment from which the student is excused within a reasonable time after the absence.

University policy 861001 provides the procedures to be followed by the student and instructor. A student desiring to absent himself/herself from a scheduled class in order to observe (a) religious holy day(s) shall present to each instructor involved a written statement concerning the religious holy day(s). This request must be made in the first fifteen days of the semester or the first seven days of a summer session in which the absence(s) will occur. The instructor will complete a form notifying the student of a reasonable time frame in which the missed assignments and/or examinations are to be completed.

**Disabled Student Policy:** It is the policy of Sam Houston State University that no otherwise qualified disabled individual shall, solely by reason of his/her handicap, be excluded from the participation in, be denied the benefits of, or be subjected to discrimination under any academic or Student Life program or activity. Disabled students may request help with academically related problems stemming from individual disabilities from their instructors, school/department chair, or by contacting the Chair of the Committee for Continuing Assistance for Disabled Students and Director of the Counseling Center, Lee Drain Annex, or by calling (936) 294-1720. Please bring all the necessary paperwork to the instructor before the end of the first week of classes in order to proceed with the requested accommodations. All disclosures of disabilities will be kept strictly confidential. NOTE: no accommodation can be made until the student registers with the Counseling Center.

**Copyright policy:** All printed materials disseminated in class or on the web are protected by Copyright laws. One xerox copy (or download from the web) is allowed for personal use. Multiple copies or sale of any of these materials is strictly prohibited.

**Additional Information:** All information on this syllabus is subject to change. Any changes will be announced in class.