Math 38 Trigonometry with Geometry  
Course Information Sheet

Math 38 Coordinators:  
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COURSE MATERIALS


- **Software (Optional):** MyMathLab™  
  - When purchased new, the textbook comes bundled with a MyMathLab™ access code.
  - Instructors adopting MyMathLab™ may make purchase of the textbook optional.

- **Calculator:** A TI-84 or TI-83 Calculator may be required for this course.  
  - Graphing calculators are a requirement and an integral part of this course.
  - Students who take this course and enter Pre-calculus are expected to be proficient in using a graphing calculator.
  - However, please note that the measurable objectives in the course outline require the students to memorize the values for sine, cosine and tangent functions for common angles, both in degrees and radians and the Pythagorean identities, reciprocal identities, double angle and half-angle formulas for sine and cosine and sum and difference formulas for sine and cosine.
  - So please use discretion when allowing calculators for exams.
  - [Some instructors do not allow calculators for exams; some allow them only for a portion of the test.] Similar caution should be applied with test aids (note cards, formulas etc.) if any provided at all.

COURSE CONTENT
Cover all of Chapters 1 – 9 from Geometry, Fundamental Concepts and Applications (2- 3 weeks) and Chapters 1 – 8 from Trigonometry

- **Suggestions regarding content:**  
  - The Math Department generally discourages open book and open notes testing.
  - Most of the material should be learned well enough to be recalled.
  - Final exams in general should be comprehensive and taken at the scheduled time.

COURSE OUTLINE OF RECORD
- All course outlines can be found on the LPC website under Programs/Courses:  
  http://www.laspositascollege.edu/courseOutlines/MATH/index.php
- Your teaching contract requires that you cover all of the material listed in the Course Outline of Record.
- The course outline is our contract with our transfer institutions, with each other, and with our students about what the course will include.
- Any instructor who does not carefully follow the course outline risks the possibility of not being allowed to teach that course again at LPC.

COURSE SYLLABUS
Your syllabus for this course should include the following information:

- Textbook and software requirements
STUDENT LEARNING OUTCOMES

- Student Learning Outcomes, SLOs, are learning proficiencies the Mathematics Department has determined students should be able to demonstrate at the end of the course. Course-level SLOs for Math 55 connect with our program-level SLOs of communication, multiple representations, problem-solving, and modeling.
- Although assessment of SLOs is voluntary for adjunct faculty, we encourage all instructors to participate in the SLO assessment process as collection of SLO data is essential for program review and compliance with accreditation standards.
- **SLO assessment process:**
  - All SLO’s should be assessed on the final exam, one question per SLO (each instructor writes their own assessment).
  - Assessments should reflect the appropriate level of rigor for the course and must specifically address the SLO being assessed.
  - Results should be entered into eLumen, the SLO data base, either aggregated for the class, or by individual student. For help with eLumen, contact the coordinator for this course.
- The following course-level SLOs should be listed in your course syllabus.

<table>
<thead>
<tr>
<th>Program-Level SLO</th>
<th>Course-Level SLO</th>
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<tbody>
<tr>
<td>Modeling</td>
<td>Solve an application problem using law of sines.</td>
</tr>
<tr>
<td>Communication</td>
<td>Identify and describe the period, amplitude and phase shift of a sine or cosine function.</td>
</tr>
<tr>
<td>Problem Solving</td>
<td>Solve a trigonometric equation using factoring and identities.</td>
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TBA LAB HOUR

- There is a required TBA (to be arranged) lab hour attached to this course. This is an *instructional* (50 minute) hour.
- Compliance with all TBA lab hour requirements and policies is essential, as audits by the State Chancellor’s office are conducted on a regular basis and schools found not to be in compliance face stiff monetary penalties.
- **Policies and Requirements:**
  - Students complete their lab hour requirement by logging one hour in the Open Math Lab (Integrated Learning Center) each week and working on TBA lab hour assignments.
  - Students must log eighteen (50 minute) lab hours (one per week for the 17-1/2 week semester). This is equivalent to fifteen 60-minute hours.
  - Students must log at least one lab hour prior to the census date (check the academic calendar for the census date).
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- IMPORTANT: students who do not log at least one hour prior to the census date cannot be claimed for apportionment by the college. For this reason, **any student who does not meet this requirement must be dropped NGR.**
  - Each student must complete a TBA Lab Hour contract. The contract will be available for download from the Mathematics Department website.
  - Contracts should be completed by the end of the first week of instruction.
  - Instructors keep the contracts until the end of the semester, at which time they should be given to the Division office for archiving.
- Lab assignments cannot be homework.
- Lab assignments must constitute a portion of the students’ grade for the course.
- More about lab assignments:
  - We recommend a minimum of eight lab assignments over the semester.
  - Students may be given more than one week to complete an assignment.
  - Core lab assignments for Math 55 are available on the Mathematics Department Blackboard website.
  - We encourage sharing of lab assignments and collaboration with other instructors in the creation of lab assignments.

- Encourage your students to use the Open Math Lab as a resource for studying and getting help.

REPEATABILITY
There is a new state-mandated Repetition Policy for the Chabot-Las Positas District that is retroactive to the date a student first started taking courses within the district (at either Chabot or Las Positas).
What does this mean for students?
- Within the district, a student is allowed to attempt a course (or courses equivalent to it) a total of THREE TIMES. If the first attempt is unsuccessful (W, D, F, or NC (No Credit)), a student has two additional attempts to complete the course with a passing grade (C, B, A or Cr (Credit)).
- After three attempts to pass a course (or equivalent course), students will be blocked from registering for that course (or its equivalents) again at either Las Positas or Chabot College unless a special circumstance petition is approved, as described in the Administrative Rules and Procedures.
- More information can be found at the following link: