Math 1316 Course Syllabus

North Lake College

Instructor Information
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Office Hours: TBA
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Course Information
Course Title: Plane Trigonometry
Course Number: 1316
Section Number: 79211, 70211, 70431
Semester/Year: Spring 2020
Credit Hours: 3
Class Meeting Time/Location: Varies

<table>
<thead>
<tr>
<th>Class Session</th>
<th>Start Date</th>
<th>Attendance Certification</th>
<th>Last Day to Withdraw</th>
<th>End Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>16-Week</td>
<td>01-21-20</td>
<td>02-03-20</td>
<td>04-16-20</td>
<td>05-13-20</td>
</tr>
<tr>
<td>1st 8-Week</td>
<td>01-21-20</td>
<td>01-27-20</td>
<td>02-26-20</td>
<td>03-12-20</td>
</tr>
<tr>
<td>2nd 8-Week</td>
<td>03-24-20</td>
<td>03-30-20</td>
<td>05-01-20</td>
<td>05-13-20</td>
</tr>
</tbody>
</table>

Course Prerequisites
Math 1314 College Algebra

Course Description
In-depth study and applications of trigonometry including definitions, identities, inverse functions, solutions of equations, graphing, and solving triangles. Additional topics such as vectors, polar coordinates and parametric equations may be included.

Student Learning Outcomes
1. Compute the values of trigonometric functions for key angles in all quadrants of the unit circle measured in both degrees and radians
2. Graph trigonometric functions and their transformations
3. Prove trigonometric identities
4. Solve trigonometric equations
5. Solve right and oblique triangles
6. Use the concepts of trigonometry to solve applications

Texas Core Objectives
The College defines essential knowledge and skills that students need to develop during their college experience. These general education competencies parallel the Texas Core Objectives for Student Learning. In this course, the activities you engage in will give you the opportunity to practice two or more of the following core competencies:

1. Critical Thinking Skills - to include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information
2. Communication Skills - to include effective development, interpretation, and expression of ideas through written, oral, and visual communication
3. Empirical and Quantitative Skills - to include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions
4. Teamwork - to include the ability to consider different points of view and to work effectively with others to support a shared purpose or goal
5. Personal Responsibility - to include the ability to connect choices, actions, and consequences to ethical decision-making
6. Social Responsibility - to include intercultural competence, knowledge of civic responsibility, and the ability to engage effectively in regional, national, and global communities

Required Course Materials

2. Microsoft Office 365 Account – Free to all NLC students
3. Scanner or Scanning App called Office Lens
4. Recommended: Graphing Calculator such as TI 84

Note: A student of this institution is not under any obligation to purchase a textbook from a university-affiliated bookstore. The same textbook may also be available from an independent retailer, including an online retailer.
Graded Work
The tables below provide a summary of the graded work in this course and an explanation of how your final course grade will be calculated.

Lesson Units (20% of Final Grade)
Lessons consist of videos, notes from the OneNote class notebook and Concept Checks. There are four units in this course.

- Videos are used to deliver the concepts by lecture.
- Concept Checks occur approximately after each section in a unit. The Concept Checks can be taken 3 times and consist of pooled questions so that every attempt has different questions.

Unit Tests (40% of Final Grade)
There are a total of four unit tests that are completed at home and are not proctored. The student gains access to the test after the Concept Check activities have been completed. The tests are timed and are required to be submitted by 5PM on the day the assignment is due. After the due date (and time) the student will lose 5 points for each day the assignment is late.

Midterm and Final Exams (40% of Final Grade)
Midterm exam covers units 1 and 2. Students will not gain access until they have completed Unit 1 and Unit 2. The questions will come from the Concept Checks and Unit Tests.
Final exam covers units 3 and 4. The questions will come from the Concept Checks and the unit tests. Students will not gain access until they have completed Unit 3 and Unit 4.

Summary of Graded Work

<table>
<thead>
<tr>
<th>Assignments</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lesson Units</td>
<td>200</td>
</tr>
<tr>
<td>Tests</td>
<td>400</td>
</tr>
<tr>
<td>Exams</td>
<td>400</td>
</tr>
</tbody>
</table>

TOTAL: 1,000 points

Final Grade

<table>
<thead>
<tr>
<th>Points</th>
<th>Percentages</th>
<th>Letter Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>900-1,000</td>
<td>90-100%</td>
<td>A</td>
</tr>
<tr>
<td>800-899</td>
<td>80-89%</td>
<td>B</td>
</tr>
<tr>
<td>700-799</td>
<td>70-79%</td>
<td>C</td>
</tr>
<tr>
<td>600-699</td>
<td>60-69%</td>
<td>D</td>
</tr>
<tr>
<td>0-599</td>
<td>0-59%</td>
<td>F</td>
</tr>
</tbody>
</table>
Attendance and Your Final Grade
If your course meets face-to-face, you can have no more than 7 absences before a grade of F is recorded.

Late Work Policy
No latework is accepted. All assignments must be due on the date listed for your course calendar posted in your Blackboard course. Students have a grace period of 5 days with a penalty of a number of points for each day the assignment is late. Check the Blackboard course for more details.

Other Course Policies
The student may use scratch paper and a calculator when taking an exam or test. Formulas are provided on the test. While unit tests are unproctored, exams are proctored as an online test and must be taken using Respondus Lockdown Browser. Students have three options for taking this exam.

- Testing Center – the student must confirm with the instructor if the student wishes to test at a testing center. Test information about procedures will only be emailed to the testing center once the instructor is informed.
- Pre-approved Proctor – Students may submit a proctor nomination form at least two weeks prior to the exam. Once the proctor has been approved, test information and instructions will be emailed to the proctor.
- No Proctor – students can take the exam from any location without a proctor or testing center. The student will need a laptop with a webcam and microphone.

Institutional Policies
Institutional Policies relating to this course can be accessed using the link below. These policies include information about tutoring, Disabilities Services, class drop and repeat options, Title IX, and more.

North Lake Institutional Policies (http://www.northlakecollege.edu/syllabipolicies)

Course Schedule
See your Blackboard Course