Math 1342 Statistics Syllabus
North Lake College

Instructor Information
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Course Information
Course Title: Elementary Statistical Methods
Course Number: Math 1342
Section Number: 78432
Semester/Year: Fall/2019
Credit Hours: 3
Class Meeting Time/Location: DNA/ online
Certification Date: 10/28/2019
Last Day to Withdraw: 11/27/2019
Your Class Code is: 4HDEU-VJTFP
Your Financial Aid (temporary for two weeks)Access Code is: E9C98-F2C74-408D9-1726A
Course Prerequisites
TSI Non-Algebra Met or equivalent preparation

Course Description
Collection, analysis, presentation and interpretation of data, and probability. Analysis includes descriptive statistics, correlation and regression, confidence intervals and hypothesis testing. Use of appropriate technology is recommended.

Student Learning Outcomes
Upon successful completion of this course, students will:
1. Explain the use of data collection and statistics as tools to reach reasonable conclusions.
2. Recognize, examine and interpret the basic principles of describing and presenting data.
3. Compute and interpret empirical and theoretical probabilities using the rules of probabilities and combinatorics. **(Empirical and Quantitative)**
4. Explain the role of probability in statistics.
5. Examine, analyze and compare various sampling distributions for both discrete and continuous random variables.
6. Describe and compute confidence intervals.
7. Solve linear regression and correlation problems. **(Communication)**
8. Perform hypothesis testing using statistical methods **(Critical Thinking)**

**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**

- Web Access to ConnectMath: McGraw-Hill's ConnectMath is a complete online homework system for mathematics and statistics with a powerful student assessment diagnostic tool. You can only purchase it from the NLC bookstore. See
the following link. This software includes the textbook. Therefore if you are ok using an ebook there is no need to buy the textbook.

**Elem Statistics: Brief (Connect ALEKS Access Card 52 wks)**


- Scanner or Scanning App called Office Lens
- Recommended: Webcam and microphone to use Respondus Lockdown Browser
- Recommended: Graphing Calculator such as TI 84

The Proctored Tests are taken using a monitoring technology called Respondus Lockdown Browser (RLDB). Students are required to download the browser with the link provided. Using another link will not allow the student to access the test. If the student does not have access to the necessary technology, the student will ultimately have to test with an approved proctor or an approved testing center. Using a proctor and testing center means the instructor must communicate testing information to arrange for access to the test. This will take time and therefore requires at least two weeks of advanced notice. Using an already approved proctor or testing center will only require at least 5 business days.

- Blackboard Collaborate

If necessary optional online meetings may be held for students. Sometimes your instructor will hold Question & Answer sessions so that students can get help from the instructor. Students may also request an online meeting from the instructor.

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.

[Use the tables below to demonstrate how course work will be graded. Include total points and/or percentages for graded work, and a clear explanation of how the final course grade is calculated.]

**Summary of Graded Work**

<table>
<thead>
<tr>
<th>Assignments</th>
<th>Possible Points</th>
<th>Totals points used for grade calculation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Syllabus Quiz</td>
<td>10 points extra credit</td>
<td></td>
</tr>
<tr>
<td>ConnectMath SLO Quizzes</td>
<td>10 points</td>
<td>10 points</td>
</tr>
</tbody>
</table>
### Assignments

<table>
<thead>
<tr>
<th>Assignments</th>
<th>Possible Points</th>
<th>Totals points used for grade calculation</th>
</tr>
</thead>
<tbody>
<tr>
<td>ConnectMath HW</td>
<td>100 points each</td>
<td>100 points</td>
</tr>
<tr>
<td>If all ConnectMath HW done on time</td>
<td>10 points extera credit</td>
<td></td>
</tr>
<tr>
<td>ConnectMath Tests</td>
<td>4 @ 100 points each</td>
<td>400 points</td>
</tr>
<tr>
<td>Each ConnectMath Test done ontime</td>
<td>5 points extera credit for each</td>
<td></td>
</tr>
<tr>
<td>Ecampus Tests proctored by RLDB+Webcam</td>
<td>2@ 150 points each</td>
<td>300</td>
</tr>
<tr>
<td>Each ecampus proctored Test done ontime</td>
<td>10 points extera credit for each</td>
<td></td>
</tr>
<tr>
<td>Total points</td>
<td>870</td>
<td>810 points</td>
</tr>
</tbody>
</table>

*Note:* by doing all assignments before or on their due dates, you will gain the extra credit points and therefore you can raise your course grade almost by one letter grade. For example if your actual course grade without extra points is a C, then most likely you should be able to make it a B by just following the course schedule.

### Final Grade

<table>
<thead>
<tr>
<th>Points</th>
<th>Percentages</th>
<th>Letter Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>729-810 (or more)</td>
<td>90-100%</td>
<td>A</td>
</tr>
<tr>
<td>648-728</td>
<td>80-89%</td>
<td>B</td>
</tr>
<tr>
<td>526-647</td>
<td>65-79%</td>
<td>C</td>
</tr>
<tr>
<td>450-525</td>
<td>56-64%</td>
<td>D</td>
</tr>
<tr>
<td>0-449</td>
<td>0-55%</td>
<td>F</td>
</tr>
</tbody>
</table>

### Description of Graded Work

**Homeworks:**
For each section(objective) there is a homework assignment in ConnectMath.

**Quizzes:**
syllabus quiz on ecampus is to make students familiar with Respundus LockDown Browser and Webcam (RLDB+W)
SLO quizzes on ConnectMath are one question quiz each to assess the Student Learning Outcome objectives.

**Tests:**
There are two types of tests in this course. No time limit on any of them.
- Four tests on ConnectMath. These are made from the same pool of questions as the ConnectMath HW. Each of them can be repeated 3 times and the best score is recorded.
- Two proctored tests on ecampus. Students need to use (RLDB +W) to take these tests. Each test can be taken twice and the average of two trials will be recorded. These tests are made from the publisher provided test generator.

**Attendance and Your Final Grade**
Does not apply to online courses

**Late Work Policy**
If you cannot do any of the assignments on time, you still can do them until last day of class. However you will receive 80% of your score that you make after due date and you will not receive the extra credit part.

**Other Course Policies**

Proctored Exams:
The student gains access to the proctored exams after the Connectmat homework and study of the corresponding chapters have been completed. The tests are made up of questions that will come from a test bank (Test Gen) provided by the publisher. The student may use scratch paper and a calculator on the exam. Formulas are and tables provided on the test. This proctored exam delivered as an online test and must be taken using Respondus Lockdown Browser. (RLDB+W). Students have three options for taking this exams.

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 and must use RLDB+W.

- Testing Center – no later than the 2nd week of semester 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 no later than the 2nd week of semester. Once the proctor has been approved, test information and instructions will be emailed to the proctor. No proctored tests will be sent to a location in Dallas County other than a DCCCD campus testing center, unless accommodations have been made through Disability Services.

**Taking Tests in the Testing Center**
- Important: Government- or school-issued photo identification is required & enforced.
- You may not bring personal items into the Test Center. This includes bags, cell phones and pagers. Coin-reimbursable (quarter) lockers are available for student use. **Please do not share lockers.**
- Please show courteous and cooperative behavior while using the services provided by the Testing Center.
- **Do not bring children to the testing center.** You must make arrangements for the care of your children prior to your exam date. The police department will be notified of any unattended children.
- **Do not** take any testing materials with you when you leave the Testing Center. This includes the test, answers, charts, scratch paper. These items will be attached to your test.
- **Academic Dishonesty**
  The Dallas County Community District has established procedures and guidelines to protect the security and integrity of all exams. All incidents of academic dishonesty are documented and reported to the instructor, the Director of Testing and the Dean of Student Enrollment.

**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)