MATH 1342 – Elementary Statistical Methods INET 2017-2018 Syllabus *
(Fall 2017 – Summer II 2018)

* This Generic Syllabus will be supplemented by your instructor’s Syllabus Addendum. Together, these documents serve as the Course Syllabus.

THIS COURSE CAN BE COMPLETED ENTIRELY ONLINE; NO CAMPUS VISITS ARE REQUIRED.

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.

COURSE PREREQUISITES
This is an entry-level course and is open to any student meeting TSI standards of college readiness (student must have appropriate assessment test score or have successfully completed DMAT 0310).

REQUIRED / RECOMMENDED MATERIALS
MyStatLabStudentAccess Code. The web address for MyStatLab is www.pearsonmylab.com. This code will give you access to the MyStatLab website where all of your work will be done for the course. The MyStatLab website includes an electronic copy of the text, video instruction, and many other helpful features.
*A Graphing Calculator is required. A TI-83/84 is recommended.

ISBN / TEXTBOOK
Elementary Statistics Using the TI-83/84 Plus Calculator 4/e
Triola, Mario F. Publisher: Addison Wesley/Benjamin Cummings
* The textbook is NOT required. An eText is included in MyStatLab.

CERTIFICATION POLICY
You must attend and participate in your on-campus or online course(s) in order to receive federal financial aid. Your instructor is required by law to validate your attendance in your on-campus or online course in order for you to receive financial aid. In an online class, simply logging in is not sufficient by itself to demonstrate academic attendance. You must demonstrate that you are participating in your online class and are engaged in an academically related activity. In order to be certified as attending your online mathematics course, you must complete the first section of work in MyMathLab prior to the Certification Date. If you are unclear regarding what constitutes the first section of work, please contact your instructor.

COURSE OUTLINE
1. Describing and Exploring Data (Chapters 1-3)
2. Probability and Probability Distributions (Chapter 4-5)
3. Normal Probability Distributions and Estimation (Chapter 6-7)
4. Hypothesis Testing and Correlation and Regression (Chapter 8, 10)
EVALUATION PROCEDURES
Assessment of your performance will be based upon scores from homework assignments and exams. The percentages for each are as follows and may be altered slightly by the instructor.

<table>
<thead>
<tr>
<th>Score</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>Homework</td>
<td>20%</td>
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<tr>
<td>4 Tests</td>
<td>80%</td>
</tr>
</tbody>
</table>

The instructor reserves the right to require proctored testing at any point during the course.

Information regarding due dates and penalties for late work will be in the instructor’s Syllabus Addendum, which will be available the first day of class.

The student must have an active My Stat Lab account at the conclusion of the course. A temporary access code can NOT be used to complete all course work. If you do not have an active MyStatLab access code at the end of the course, you will receive an F. It is the responsibility of the student to contact Pearson Technical Support at 1-800-677-6337 to resolve any issues resulting from the use of temporary access codes.

GRADING SCALE
Grades for the course will be assigned using the following scale:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>A</td>
<td>90 – 100%</td>
</tr>
<tr>
<td>B</td>
<td>80 – 89%</td>
</tr>
<tr>
<td>C</td>
<td>70 – 79%</td>
</tr>
<tr>
<td>D</td>
<td>60 – 69%</td>
</tr>
<tr>
<td>F</td>
<td>0 – 59%</td>
</tr>
</tbody>
</table>

Students who have yet to complete the course and fail to participate after the drop date will receive an F in the course.

TEMPORARY ACCESS
MyMathLab provides a Temporary Access Code. This code gives students temporary access to MyMathLab for a two-week period. Once the code expires, students will be locked out of their MyMathLab account until a regular Student Access Code is purchased. It is highly recommended that students purchase the regular Student Access Code BEFORE the two weeks expire to prevent interruptions in their MyMathLab account. Pearson developed the Temporary Access Code to help students receiving financial aid. The availability of this service will depend on its ethical use by instructors and students, and may be discontinued at the discretion of Pearson at any time. Students completing the entire course using the Temporary Access Code will receive a grade of F regardless of course performance. A regular MyMathLab Student Access Code must be purchased in order for students to receive a grade based on course performance.

TECHNICAL SUPPORT
It is the responsibility of the student to contact Pearson Technical Support to resolve any technical issues. Visit http://247pearsoned.custhelp.com/app for assistance.
CVC STUDENT LEARNING OUTCOMES
1. Create and interpret statistical graphs. (THECB #2)
2. Apply the measures of central tendency, variation, and position as well as distribution and outliers to analyze data. (THECB #1)
3. Determine probabilities using rules of probability and the Binomial probability distribution. (THECB #s 3,4,&5)
4. Construct and interpret confidence intervals for means, proportions, and standard deviations. (THECB #6)
5. Perform hypothesis testing for means, proportions, and standard deviations and interpret the results. (THECB #8)

TEXAS HIGHER EDUCATION COORDINATING BOARD (THECB) LEARNING OUTCOMES
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.
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.
8. Perform hypothesis testing using statistical methods.

TEXAS CORE OBJECTIVES FOR STUDENT LEARNING
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 following skills are in focus.

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.

MATH 2342 develops Critical Thinking, Communication, and Empirical and Quantitative Skills by requiring students to collect, analyze, present and interpret data and probability.

INSTITUTIONAL POLICIES
Institutional policies relating to this course can be accessed from the following link:
www.cedarvalleycollege.edu/syllabipolicies