

El Paso Community College
Syllabus
Part II
Official Course Description

SUBJECT AREA	<u>Mathematics</u>
COURSE RUBRIC AND NUMBER	<u>MATH 0142</u>
COURSE TITLE	<u>Math for Fundamentals of Statistics</u>
COURSE CREDIT HOURS	<u>1 1 : 0</u> Credits Lec Lab

I. Catalog Description

This is the second course in a two-semester course, to be paired with a designated MATH 1342 section. The course includes: describing real-world and quantitative relationships with equations, inequalities, graphs and tables; solving appropriate equations and inequalities and explaining how the results relate to original context; and appropriate use for approximate numbers instead of exact when required. In order to be prepared for Math 1342 students **MUST** enroll in a Math 1342 section concurrently with Math 0142. Students will not be allowed to only enroll in a Math 1342 section without concurrent enrollment in Math 0142. **Prerequisite: MATH 0400 and Corequisite: Math 1342 (Can be taken concurrently.) (1:0).**

Method of Instruction

Methods of instruction may include, but are not limited to:

- Collaborative Learning
- Discussion
- Lecture
- Audio-visual

II. Course Objectives

Student Learning Outcomes:

Upon satisfactory completion of this course, the student will:

- A. Use the language of mathematics to communicate ideas.
- B. Demonstrate proficiency in conceptual understanding, strategic competence, and adaptive reasoning.
- C. Solve quantitative problems and perform quantitative investigations in which they discover ideas and gain insights that develop questioning and solution-building skills.
- D. Use mental strategies and technology accurately and appropriately.

III. Evaluation

- a. Pre-assessment
Instructors will verify prerequisites and co-requisites for every student during the first day(s) of class. Students without the proper prerequisites for the class will be sent to the registrar to revise their schedules.

- b. **Challenge Exam**
There is no challenge exam for this course.

- c. **Post-Assessment**
It is recommended that at least four (4) unit tests worth 100 points each be given to evaluate student learning for the course. A comprehensive final exam must be given. Quizzes/homework worth up to 100 points may be assigned and graded to determine the student's grade for the course. This recommended assessment would give a student a total of 600 possible points which when divided by six and would give an average to determine the grade for the course. This average would determine a student's course grade based on the scale below.
 - A = 90 – 100
 - B = 80 – 89
 - C = 70 – 79
 - D = 60 – 69
 - F = Below 60

- d. The homework grade will be weighted no more than the weight of one exam; the comprehensive final exam will be weighted at least as much as one exam. The final exam cannot be dropped. Students will be expected to come to class prepared, work in groups while in class and individually and explain their work to others.

- e. **I and W Grades**
The student is responsible for completing the necessary forms for I or W grades (except as noted below). I and W grades may be assigned whenever appropriate deadlines are met. To be eligible for an Incomplete, I, the student must complete 80% of the course work with at least a 75% average. The proper forms must also be signed by both the student, and the instructor before being submitted to the registrar.

IV. Disability Statement (American with/Disabilities Act [ADA])

EPCC offers a variety of services to persons with documented sensory, mental, physical, or temporary disabling conditions to promote success in classes. If you have a disability and believe you may need services, you are encouraged to contact the Center for Students with Disabilities to discuss your needs with a counselor. All discussions and documentation are kept confidential. Offices located: VV Rm C-112 (831-2426); TM Rm 1400 (831-5808); RG Rm B-201 (831-4198); NWC Rm M-54 (831-8815); and MDP Rm A-125 (831-7024).

V. 6 Drop Rule

Students who began attending Texas public institutions of higher education for the first time during the Fall 2007 semester or later are subject to a 6-Drop limit for all undergraduate classes. Developmental, ESL, Dual Credit and Early College High School classes are exempt from this rule. All students should consult with their instructor before dropping a class. Academic assistance is available. Students are encouraged to see Counseling Services if dropping because exemptions may apply. Refer to the EPCC catalog and website for additional information.

VI. Statway Pathway

Students are required to take MATH 0400, MATH 0142, and MATH 1342 to complete the Statway Pathway for Fundamentals of Statistics MATH 1342.