

El Paso Community College

Syllabus

Part II

Official Course Description

SUBJECT AREA	<u>Mathematics</u>
COURSE RUBRIC AND NUMBER	<u>NCBM 0101</u>
COURSE TITLE	<u>Math Extender 0101</u>
COURSE CREDIT HOURS	<u>1 1 : 0</u>
	Credits Lec Lab

I. Catalog Description

The course is a Non-Course-Based Option for students enrolled in MATH 0301 Emporium course. This course covers Geometry and a review of MATH 0301 topics. **Prerequisite: Completed all material leading up to week 13 in MATH 0301 during the semester of enrollment. (1:0).**

II. Course Objectives

Upon satisfactory completion of this course, the student will be able to:

- A. Unit I. Geometry
 - 1. Compare two quantities using ratios of like and unlike quantities.
 - 2. Make conversions within and between the US and metric systems of measurement.
 - 3. Classify geometric figures.
 - 4. Solve problems involving lines and angles.
 - 5. Find the perimeter, area, volume, and surface area of geometric figures.

- B. Unit II. Review of MATH 0301 Topics
 - 1. Round, solve problems, simplify expressions, and use order of operations using whole numbers.
 - 2. Find factors of whole numbers using the divisibility test and identify prime and composite numbers.
 - 3. Solve problems and word problems involving operations on integers.
 - 4. Find the LCM and GCF and change improper fractions to mixed numbers and vice versa.
 - 5. Find equivalent fractions by expanding and reducing.
 - 6. Solve problems and word problems involving operations on rational numbers.
 - 7. Read and write decimals as words and digits and change decimals to fractions and vice versa.
 - 8. Organize data for display and find mean, mode, and median.

III. Evaluation

- A. Students will be assessed on Unit I and given a comprehensive final exam.

- B. The course grade will be assigned based on the following scale.
 P(Pass)...100-70
 NP (No Pass)...Below 69.

- C. For the attendance policy, refer to part IV of the Instructor's Course Requirements.

IV. Disability Statement (Americans 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.