

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.