

El Paso Community College

Syllabus

Part II

Official Course Description

SUBJECT AREA	<u>Mathematics</u>
COURSE RUBRIC AND NUMBER	<u>NCBM 0105</u>
COURSE TITLE	<u>Math Extender 0105</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 0305 Emporium course. This course covers exponential and logarithmic expressions and functions. **Prerequisite: Completed all material leading up to week 13 in Math 0305 during the semester of enrollment.**

II. **Course Objectives**

- A. Unit I. Exponential and Logarithmic Functions
 - 1. Recognize the one-to-oneness of functions and inverse functions.
 - 2. Evaluate exponential and logarithmic functions.
 - 3. Graph exponential and logarithmic functions.
 - 4. Explain the inverse relationship of exponential and logarithmic functions.

- B. Unit II. Review of Math 0305 Topics
 - 1. Solve equations by factoring.
 - 2. Identify, evaluate, simplify, and solve rational expressions and functions.
 - 3. Simplify, rationalize, evaluate, and solve equations containing complex numbers and radical expressions.
 - 4. Evaluate, solve, and graph quadratic equations, functions, and non-linear inequalities.

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.