

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	<table style="margin-left: auto; margin-right: auto; border-collapse: collapse;"> <tr> <td style="text-align: center; border-top: 1px solid black;">1</td> <td style="text-align: center; border-top: 1px solid black;">1</td> <td style="text-align: center; border-top: 1px solid black;">0</td> </tr> <tr> <td style="text-align: center; border-bottom: 1px solid black;">Credits</td> <td style="text-align: center; border-bottom: 1px solid black;">Lec</td> <td style="text-align: center; border-bottom: 1px solid black;">Lab</td> </tr> </table>	1	1	0	Credits	Lec	Lab
1	1	0					
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.