

El Paso Community College

Syllabus

Part II

Official Course Description

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|---------------------------------|---|----------|------------|----------|---------|-----|-----|
| SUBJECT AREA | <u>Vocational Nursing</u> | | | | | | |
| COURSE RUBRIC AND NUMBER | <u>VNSG 1391</u> | | | | | | |
| COURSE TITLE | <u>Special Topics in Licensed Practical/Vocational</u> <u>Nurse Training Math for Articulating High School</u> <u>Students</u> | | | | | | |
| COURSE CREDIT HOURS | <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center; width: 33%;"><u>3</u></td> <td style="text-align: center; width: 33%;"><u>3</u> :</td> <td style="text-align: center; width: 33%;"><u>0</u></td> </tr> <tr> <td style="text-align: center;">Credits</td> <td style="text-align: center;">Lec</td> <td style="text-align: center;">Lab</td> </tr> </table> | <u>3</u> | <u>3</u> : | <u>0</u> | Credits | Lec | Lab |
| <u>3</u> | <u>3</u> : | <u>0</u> | | | | | |
| Credits | Lec | Lab | | | | | |

I. Catalog Description

Addresses recently identified current events, skills, knowledges, and/or attitudes and behaviors pertinent to the technology or occupation and relevant to the professional development of the student. Topics will include basic mathematics needed to compute drug dosages required by practicing vocational nurses. A grade of "C" or better is required in this course to take the next course. **(3:0)**.

II. Course Objectives

Upon satisfactory completion of the course, the student will be able to solve mathematical problems that relate to:

A. Unit I. Algebra

Students will continue to build on their basic foundation of K-12 math as they expand their understanding through other mathematical experiences, including a) the use of algebraic thinking and symbolic reasoning; b) function concepts; c) recognizing the relationship between equations and functions; d) and utilizing the underlying mathematical processes.

B. Unit II. Geometry

Students will continue to build on their basic foundation of K-12 math as they expand their understanding through other mathematical experiences, including a) geometric thinking and spatial reasoning; b) review of geometric figures and their properties; c) discussion of the relationship of geometry, other mathematics, and other disciplines; d) learning techniques to work with spatial figures and their properties.

C. Unit III. Precalculus

Students will continue to build on their basic foundation of K-12 math, as they expand their understanding through other mathematical experiences, including the use of problem solving.

D. Unit IV. Mathematical Models

Students will continue to build on their basic foundation of K-8 math as they expand their understanding through other mathematical experiences, including a) problem solving, b) use of language and communication, c) connections within and outside of mathematics, and d) reasoning.

III. THECB Learning Outcomes (WECM)

Learning outcomes/objectives are determined by local occupational need and business and industry trends.

IV. Evaluation

It is suggested that four (4) unit tests be given. Quiz grades and homework grades may also be used in the evaluation of the final grade, if the instructor so chooses. A comprehensive final exam is mandatory for all students.

No challenge exam is available for this course.

V. 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).

VI. 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.