



PTEC 160 - Nursing Science Course Outline

Approval Date: 03/12/2020

Effective Date: 06/08/2020

SECTION A

Unique ID Number CCC000197661

Discipline(s)

Division Health Occupations

Subject Area Psychiatric Technician

Subject Code PTEC

Course Number 160

Course Title Nursing Science

TOP Code/SAM Code 1239.00 - Psychiatric/Mental Health Services Technician*
/ B - Advance Occupational

Rationale for adding this course to the curriculum Update SLOs and texts

Units 18

Cross List N/A

Typical Course Weeks 18

Total Instructional Hours

Contact Hours

Lecture 224.00

Lab 320.00

Activity 0.00

Work Experience 0.00

Outside of Class Hours 448.00

Total Contact Hours 544

Total Student Hours 992

Open Entry/Open Exit No

Maximum Enrollment

Grading Option Letter Grade Only

Distance Education Mode of Instruction On-Campus

SECTION B

General Education Information:

SECTION C

Course Description

Repeatability May be repeated 0 times

Catalog Description One trimester of three designed to prepare the student for licensure as a Psychiatric Technician in the State of California. Nursing Science will present the principles of mental and physical health, the maintenance of health, anatomy and physiology, and an understanding of disease and its treatment. Students will develop the ability to perform basic care activities, with learning experiences in the care of children, adults, and aged patients with medical/surgical conditions.

Schedule Description

SECTION D

Condition on Enrollment

1a. Prerequisite(s)

- MDTP - Mathematics Diagnostic Testing Project
- CTEP - College Tests for English Placement
- CNA-Current Certified Nursing Assistant
- High School or Equivalent

1b. Corequisite(s): *None*

1c. Recommended: *None*

1d. Limitation on Enrollment: *None*

SECTION E

Course Outline Information

1. Student Learning Outcomes:

- A. Accurately perform and document basic nursing skills, including medication pass without error, basic physical assessments and interventions while prioritizing patient care.
- B. Ethically advocate for all patients in all settings while assuring patient's rights, privacy, dignity, and confidentiality.
- C. Effectively participate in a therapeutic environment and communicate in a professional and respectful manner.

2. **Course Objectives:** Upon completion of this course, the student will be able to:

- A. Discuss the role of the Psychiatric Technician
- B. Discuss the principles and applications of professionalism, ethics, and law as related to the Psychiatric Technician
- C. Relate the concept of holistic care to the biological, psychological, sociological, cultural, and spiritual factors that affect an individual's response to illness
- D. Discuss and demonstrate the importance of accurate communication and documentation in the care of the patient
- E. Apply the nursing process to the care of the geriatric, pediatric, and medical-surgical patient
- F. Identify nutrients regulating body processes
- G. Identify special nutritional needs of hospitalized patients
- H. Identify the principles of infection control and standard precautions
- I. Differentiate between the principles of fluid and electrolyte balance and acid/base balance

- J. Demonstrate safe and accurate administration of oral and parenteral medications
- K. Calculate medication dosages
- L. Identify appropriate pharmacological treatments used in major illnesses presented in class and exhibited patients
- M. Discuss nursing implications, side effects and patient teaching for medications administered
- N. Identify major structures and functions of organs in each system
- O. Identify common illnesses related to each system of the body
- P. Identify and apply nursing interventions related to the care of patients with a variety of illnesses
- Q. Develop and implement individualized teaching plans that address the needs of patients with chronic illness

R.

3. Course Content

- A. Basic Human Needs
- B. Vital Signs
- C. Standard Precautions
- D. Communicable Disease, Including HIV
- E. Asepsis, Isolation
- F. Medication Administration
- G. Documentation
- H. Daily Care Skills: Bathing, Bedmaking, Oral Care, Body Mechanics, Shaving, etc.
- I. Skill Competencies Related to Specific Illnesses
- J. Introduction to Disease Processes
- K. Care of the Geriatric Patient
- L. Care of the Dying Patient Hospice
- M. Care of the Cancer Patient
- N. Care of the Surgical Patient
- O. Care of the Child
- P. Therapeutic Relationships, Communication Skills
- Q. Basic Nutritional Needs
- R. Anatomy and Physiology, Common Disorders & Nursing Care
 - a. Circulatory System
 - b. Muscular/Skeletal System
 - c. Urinary System
 - d. Endocrine System
 - e. Integumentary System
 - f. Nervous System
 - g. Gastrointestinal System
 - h. Reproductive System
 - i. Pharmacology
 - j.

4. Methods of Instruction:

Activity:

Discussion: Scenario and case study discussion at close of each clinical experience done in small groups.

Field Experience: Clinical experience at an off-campus facility.

Lecture:

5. Methods of Evaluation: Describe the general types of evaluations for this course and provide at least two, specific examples.

Typical classroom assessment techniques

- Exams/Tests --
- Quizzes --
- Oral Presentation --
- Group Projects --
- Lab Activities --
- Final Exam --
- Mid Term --

Additional assessment information:

- Objective testing e.g., Identify the critical elements of the isolation procedures; Discuss the pathophysiology of a Myocardial Infarction
- Observation of Clinical Practice e.g., students will accurately take vital signs; Perform Range-of-Motion for a stroke patient
- Individual Interviews and Counseling e.g., meet with instructors on a weekly basis; Interview a patient for the purpose of taking a history
- Counseling and Consultation with Agency Personnel e.g., staff will give input to student evaluation; student will give shift report to oncoming personnel

Letter Grade Only

6. **Assignments:** State the general types of assignments for this course under the following categories and provide at least two specific examples for each section.

- A. Reading Assignments
 - Textbook Readings
 - Journal Articles
- B. Writing Assignments
 - Written Assignments - completion of modular objectives for class discussion and application to patient care
 - Nursing Care Plans
- C. Other Assignments
 - Projects Reports - Patient education related to Diabetes
 - Documentation of nursing care in the Patient's Record

7. **Required Materials**

A. **EXAMPLES of typical college-level textbooks (for degree-applicable courses) or other print materials.**

Book #1:

Author: Cooper, K., Gosnell, K.
Title: Foundations of Nursing
Publisher: Elsevier/Mosby
Date of Publication: 2019
Edition: 8th

B. **Other required materials/supplies.**

- PTEC 160 - Nursing Science Syllabus
- PTEC 160 - Student Handbook
- Encyclopedic Medical Dictionary (of students choice of those found in the NVC bookstore)