

## NS277 : Critical Care Specialty Nursing

### General Information

Author:	<ul style="list-style-type: none"><li>Kohar Kesian</li></ul>
Course Code (CB01) :	NS277
Course Title (CB02) :	Critical Care Specialty Nursing
Department:	NS
Proposal Start:	Winter 2024
TOP Code (CB03) :	(1230.00) Nursing
CIP Code:	(51.3801) Registered Nursing/Registered Nurse.
SAM Code (CB09) :	Clearly Occupational
Distance Education Approved:	Yes
Will this course be taught asynchronously?:	No
Course Control Number (CB00) :	CCC000613426
Curriculum Committee Approval Date:	02/22/2023
Board of Trustees Approval Date:	Pending
Last Cyclical Review Date:	07/01/2020
Course Description and Course Note:	NS 277 focuses on comprehensive range of nursing knowledge of the adult patient in need of critical care. The student acquires the specialized knowledge and develops necessary skills to adequately function in a critical care setting and prepares to recognize and support the unique characteristics of the critical care population, and the opportunity to develop essential linkages for decision making and prioritization related to this specialty. The course aims to equip the student with essential knowledge and skills to perform effectively in the critical care discipline, to ensure the delivery of safe, culturally sensitive, holistic, evidenced-based and quality care to patients. Note: Applicant should be a licensed Registered Nurse (RN) by the California Board of Registered Nursing and be BLS and ACLS certified prior to enrolling in the course. Note: This course is a Pass/No Pass only.
Justification:	Coding/Category Change
Academic Career:	<ul style="list-style-type: none"><li>Credit</li></ul>
Mode of Delivery:	No value
Author:	No value
Course Family:	No value

### Academic Senate Discipline

Primary Discipline:	<ul style="list-style-type: none"><li>Nursing</li></ul>
Alternate Discipline:	No value
Alternate Discipline:	No value

## Course Development

### Basic Skill Status (CB08)

Course is not a basic skills course.

Allow Students to Gain Credit by Exam/Challenge

### Course Special Class Status (CB13)

Course is not a special class.

### Pre-Collegiate Level (CB21)

Not applicable.

### Grading Basis

- Pass / No-Pass Only

### Course Support Course Status (CB26)

Course is not a support course

## General Education and C-ID

### General Education Status (CB25)

Not Applicable

### Transferability

Not transferable

### Transferability Status

Not transferable

## Units and Hours

### Summary

**Minimum Credit Units (CB07)** 3.5

**Maximum Credit Units (CB06)** 3.5

**Total Course In-Class (Contact) Hours** 81

**Total Course Out-of-Class Hours** 108

**Total Student Learning Hours** 189

### Credit / Non-Credit Options

#### Course Type (CB04)

Credit - Not Degree Applicable

#### Noncredit Course Category (CB22)

Credit Course.

#### Noncredit Special Characteristics

No Value

#### Course Classification Code (CB11)

Credit Course.

Variable Credit Course

#### Funding Agency Category (CB23)

Not Applicable.

Cooperative Work Experience Education

Status (CB10)

### Weekly Student Hours

	In Class	Out of Class
Lecture Hours	3	6
Laboratory Hours	1.5	0
Studio Hours	0	0

### Course Student Hours

<b>Course Duration (Weeks)</b>	18
<b>Hours per unit divisor</b>	0
<b>Course In-Class (Contact) Hours</b>	
Lecture	54

Laboratory	27
Studio	0
<b>Total</b>	<b>81</b>

**Course Out-of-Class Hours**

Lecture	108
Laboratory	0
Studio	0
<b>Total</b>	<b>108</b>

**Time Commitment Notes for Students**

No value

**Units and Hours - Weekly Specialty Hours**

Activity Name	Type	In Class	Out of Class
No Value	No Value	No Value	No Value

**Prerequisites, Corequisites, Recommended Corequisites, and Recommended Preparation**

No Value

**Entry Standards**

Entry Standards	Description
Utilize the nursing process as a framework in providing care for the client/family with unmet needs	No Value
assess, analyze and address the biological, cultural, spiritual, environmental, and socioeconomic realms, and the impact they exert on the acute care clients and family	No Value
calculate and administer medications of all routes accurately as prescribed by the healthcare providers	No Value

document and communicate nursing care activities and client responses to the plan of care utilizing Quality and Safety Education for Nurses (QSEN) competencies

No Value

## Course Limitations

Cross Listed or Equivalent Course

Description

No value

No value

## Specifications

### Methods of Instruction

Methods of Instruction

Lecture

Methods of Instruction

Laboratory

Methods of Instruction

Discussion

Methods of Instruction

Presentations

### Out of Class Assignments

- Simulated case studies (eg patients with multiple morbidities) in small groups with class presentations

### Methods of Evaluation

#### Rationale

Exam/Quiz/Test

Weekly quizzes

Exam/Quiz/Test

Electrocardiogram (ECG) examination (e.g. interpreting ECG rhythm strips)

Exam/Quiz/Test

Final comprehensive examination

### Textbook Rationale

No Value

### Textbooks

Author	Title	Publisher	Date	ISBN
Aehlert, Barbara	ECGs Made Easy	Elsevier	2016	9780323401302
Urden, Linda Diann	Critical Care Nursing: Diagnosis and Management	Elsevier	2016	9780323447522
<b>Other Instructional Materials (i.e. OER, handouts)</b>				
No Value				

## Learning Outcomes

### Course Objectives

Collaborate with the family to establish desirable family outcomes using nursing interventions to prevent illness and promote health.

Explain the reciprocal relationship of biological, psychosocial, cultural, spiritual, environmental, and socioeconomic factors that may influence the wellbeing and individualized care of the patient.

Incorporate scientific principles, psychosocial theory, developmental concepts, and previously learned nursing knowledge and skills into the individualized care of the assigned patient.

Apply knowledge of medical-surgical health problems, treatment modalities, and nursing skills necessary for the best outcome of the patient in critical condition.

Identify and employ guidelines that provide the nurse with direction to address ethical and legal issues affecting the healthcare of the family.

### SLOs

**Provide comprehensive nursing care for critically ill patient populations with complex illness (es)**

Expected Outcome Performance: 70.0

ILOs  
Core ILOs

Analyze and solve problems using critical, logical, and creative thinking; ask questions, pursue a line of inquiry, and derive conclusions; cultivate creativity that leads to innovative ideas.

Demonstrate depth of knowledge in a course, discipline, or vocation by applying practical knowledge, skills, abilities, theories, or methodologies to solve unique problems.

NS  
Registered Nursing -  
Certificate

Complete the nursing program with requisite knowledge of the discipline including clinical evidenced-based practice within a required time frame.

Demonstrate requisite knowledge of the profession of registered nursing by successfully passing the NCLEX-RN Board Exam.

NS  
Registered Nursing - A.S.  
Degree Major

Complete the nursing program with requisite knowledge of the discipline including clinical evidenced-based practice within a required time frame.

Demonstrate requisite knowledge of the profession of registered nursing by successfully passing the NCLEX-RN Board Exam.

NS  
Critical Care Nursing Skill  
Award

Provide comprehensive nursing care for critically ill patient populations with complex illness(es)

### Integrate critical knowledge, skill, and attitude in the nursing process

Expected Outcome Performance: 70.0

ILOs  
Core ILOs

Analyze and solve problems using critical, logical, and creative thinking; ask questions, pursue a line of inquiry, and derive conclusions; cultivate creativity that leads to innovative ideas.

Demonstrate depth of knowledge in a course, discipline, or vocation by applying practical knowledge, skills, abilities, theories, or methodologies to solve unique problems.

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Degree Major

Complete the nursing program with requisite knowledge of the discipline including clinical evidenced-based practice within a required time frame.

Demonstrate requisite knowledge of the profession of registered nursing by successfully passing the NCLEX-RN Board Exam.

NS  
Critical Care Nursing Skill  
Award

Integrate critical knowledge, skill, and attitude in the nursing process.

## Course Content

### Lecture Content

#### Foundations to critical care nursing (4)

- Critical care nursing practice
- Ethical issues Legal issues
- Patient and family education
- Psycho-social alterations and management
- Nutrition alterations and management
- Pain and pain management
- Sedation, agitation, delirium management
- End-of-life care

#### Cardiovascular alterations (8)

- Cardiovascular anatomy and physiology
- Cardiovascular clinical assessment
- Cardiovascular diagnostic procedures
- Cardiovascular disorders
- Cardiovascular therapeutic management

#### Pulmonary alterations (8)

- Pulmonary anatomy and physiology
- Pulmonary clinical assessment
- Pulmonary diagnostic procedures
- Pulmonary disorders
- Pulmonary therapeutic management

#### Neurological alterations (8)

- Neurological anatomy and physiology

- Neurological clinical assessment and diagnostic procedures
- Neurological disorders and therapeutic management

**Kidney alterations (5)**

- Kidney anatomy and physiology
- Kidney clinical assessment and diagnostic procedures
- Kidney disorders and therapeutic management

**Gastrointestinal alterations (5)**

- Gastrointestinal anatomy and physiology
- Gastrointestinal clinical assessment and diagnostic procedures
- Gastrointestinal disorders and therapeutic management

**Endocrine alterations (4)**

- Endocrine anatomy and physiology
- Endocrine clinical assessment and diagnostic procedures
- Endocrine disorders and therapeutic management

**Multi-system alterations (8)**

- Trauma Shock, sepsis, and multiple organ dysfunction syndrome
- Burns
- Organ donation and transplantation
- Hematologic and oncologic emergencies

**Special populations (4)**

- Older adult patient
- Peri-anesthesia patient

**Total Hours: 54**

**Laboratory/Studio Content****Foundations to critical care nursing (3)**

- Critical care nursing practice
- Ethical issues Legal issues
- Patient and family education
- Psycho-social alterations and management
- Nutrition alterations and management
- Pain and pain management
- Sedation, agitation, delirium management
- End-of-life care

**Cardiovascular alterations (3)**

- Cardiovascular anatomy and physiology
- Cardiovascular clinical assessment
- Cardiovascular diagnostic procedures
- Cardiovascular disorders
- Cardiovascular therapeutic management

**Pulmonary alterations (3)**

- Pulmonary anatomy and physiology
- Pulmonary clinical assessment
- Pulmonary diagnostic procedures
- Pulmonary disorders
- Pulmonary therapeutic management

**Neurological alterations (4)**

- Neurological anatomy and physiology
- Neurological clinical assessment and diagnostic procedures
- Neurological disorders and therapeutic management

**Kidney alterations (3)**

- Kidney anatomy and physiology
- Kidney clinical assessment and diagnostic procedures
- Kidney disorders and therapeutic management

**Gastrointestinal alterations (3)**

- Gastrointestinal anatomy and physiology
- Gastrointestinal clinical assessment and diagnostic procedures
- Gastrointestinal disorders and therapeutic management

**Endocrine alterations (3)**

- Endocrine anatomy and physiology
- Endocrine clinical assessment and diagnostic procedures
- Endocrine disorders and therapeutic management

**Multi-system alterations (4)**

- Trauma Shock, sepsis, and multiple organ dysfunction syndrome
- Burns
- Organ donation and transplantation
- Hematologic and oncologic emergencies

**Special populations (1)**

- Older adult patient
- Peri-anesthesia patient

**Total Hours: 27**