NS M04: ADVANCED NURSING SCIENCE

Originator
clee

Co-Contributor(s)

Name(s)
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College
Moorpark College

Discipline (CB01A)
NS - Nursing Science

Course Number (CB01B)
M04

Course Title (CB02)
Advanced Nursing Science

Banner/Short Title
Advanced Nursing Science

Credit Type
Credit

Start Term
Fall 2023

Catalog Course Description
Part 1: Provides theoretical concepts of patient-centered, evidence-based nursing care to adult patients with common to complex, acute, and chronic healthcare needs using the nursing process related to health promotion and self-care deviations in emerging healthcare settings.

Part 2: Provides the theoretical concepts of nursing leadership and management in common and emerging healthcare settings.

Taxonomy of Programs (TOP) Code (CB03)
1230.00 - *Nursing

Course Credit Status (CB04)
D (Credit - Degree Applicable)

Course Transfer Status (CB05) (select one only)
B (Transferable to CSU only)

Course Basic Skills Status (CB08)
N - The Course is Not a Basic Skills Course

SAM Priority Code (CB09)
B - Advanced Occupational

Course Cooperative Work Experience Education Status (CB10)
N - Is Not Part of a Cooperative Work Experience Education Program

Course Classification Status (CB11)
Y - Credit Course

Educational Assistance Class Instruction (Approved Special Class) (CB13)
N - The Course is Not an Approved Special Class

Course Prior to Transfer Level (CB21)
Y - Not Applicable

Course Noncredit Category (CB22)
Y - Credit Course

Funding Agency Category (CB23)
Y - Not Applicable (Funding Not Used)

Course Program Status (CB24)
1 - Program Applicable

General Education Status (CB25)
Y - Not Applicable

Support Course Status (CB26)
N - Course is not a support course

Field trips
May be required

Faculty notes on field trips; include possible destinations or other pertinent information
Volunteer activities with or for healthcare or community agencies in the region.

Grading method
(L) Letter Graded

Does this course require an instructional materials fee?
No

Repeatable for Credit
No

Is this course part of a family?
No

Units and Hours

Carnegie Unit Override
No

In-Class

Lecture
Minimum Contact/In-Class Lecture Hours
70
Maximum Contact/In-Class Lecture Hours
70

Activity

Laboratory

Total in-Class

Total in-Class
Total Minimum Contact/In-Class Hours
70

Total Maximum Contact/In-Class Hours
70

Outside-of-Class

Internship/Cooperative Work Experience

Paid

Unpaid

Total Outside-of-Class

Total Outside-of-Class
Minimum Outside-of-Class Hours
140
Maximum Outside-of-Class Hours
140

Total Student Learning

Total Student Learning
Total Minimum Student Learning Hours
210
Total Maximum Student Learning Hours
210

Minimum Units (CB07)
4
Maximum Units (CB06)
4

Prerequisites
NS M03 and NS M03L

Corequisites
NS M04L

Limitations on Enrollment
Criminal background clearance
Current negative TB test or chest x-ray
Drug and alcohol clearance
No acrylic or long nails in clinical settings
No visible tattoos or visible body piercings except single studs in earlobes
Physical examination demonstrating general good health
Proof of freedom from and immunity to communicable diseases
Others (specify)

Other Limitations on Enrollment

Admission to the Moorpark College Nursing Program that requires completion of program prerequisites and requirements.

Additional clinical facility clearance requirements that are not limited to:
CPR BLS Provider card from American Heart Association only.
Los Angeles City Hospital Fire and Life Safety card.
Current health insurance.
Current student nurse liability insurance.
Social Security Number or Individual Taxpayer ID Number.

Additional grooming standards for clinical settings: hair color of a natural shade; hair worn off the face and above the collar; facial hair groomed so facial masks fit snuggly; no artificial nails of any type; make-up if worn is to be conservative in style; if wearing jewelry a single simple ring is allowed.

Entrance Skills

Entrance Skills

NS M03 and NS M03L

Prerequisite Course Objectives

NS M03-Safety/Technical Skills:

- describe caring safe, technically competent patient-centered primary nursing care patients with common to complex, acute and chronic health and self-care needs of adults and geriatrics in common and emerging healthcare settings.
NS M03-Critical Thinking and Clinical Reasoning:

- discuss implementation of clinical decision-making concepts utilizing the nursing process applied to diverse adult and geriatric individuals, support systems, and communities.

- develop a plan of care for geriatric patients, patients with mental illnesses, and patients with healthcare deviations of the urinary/renal, male reproductive, endocrine, advanced gastrointestinal, and neurologic systems.
NS M03-Communication:

- foster patient-centered and interdisciplinary relationships characterized by caring and inclusive communications utilizing confidentiality through principles of verbal, nonverbal, and electronic communication systems in common and emerging healthcare settings.
NS M03-Responsibility/Accountability:

- identify ways to implement ethical and legal standards of nursing practice and verifies that patient care is within the ethical and legal framework of nursing while examining gaps in caring, integrity, diversity, education, community service and quality of care.
NS M03-Organization/Prioritization:

- describe competent management skills in providing care for a group of patients with common to complex health deviations, revising care accordingly, and collaborating with interdisciplinary healthcare team members in a collegial manner with minimal assistance.
NS M03L-Safety/Technical Skills: - provide caring, safe, and technically competent patient-centered primary nursing care to 2-3 patients with common to complex, acute and chronic health and self-care needs of adults and geriatrics in common and emerging healthcare settings.
NS M03L-Critical Thinking and Clinical Reasoning: - implement clinical decision-making concepts utilizing the nursing process applied to diverse adult and geriatric individuals, support systems, and communities. - develop a plan of care for the geriatric patient and the patient with mental illnesses. - develop a plan of care for patients with renal/urinary, male reproductive, advanced gastrointestinal, endocrine, and neurologic health deviations.
NS M03L-Communication: - foster patient-centered and interdisciplinary relationships characterized by caring and inclusive communications utilizing confidentiality through principles of verbal, nonverbal, and electronic communication systems in common and emerging healthcare settings.
NS M03L-Responsibility/Accountability: - identify and implement ethical and legal standards of nursing practice and verify that patient care is within the ethical and legal framework of nursing while examining gaps in caring, integrity, diversity, education, community service and quality of care.
NS M03L-Organization/Prioritization: - demonstrate competent management skills in providing care for a group of patients with common to complex health deviations, revising care accordingly, and collaborating with interdisciplinary healthcare team members in a collegial manner with minimal assistance.

Requisite Justification

Requisite Type

Prerequisite

Requisite

NS M03

Requisite Description

Course in a sequence

Level of Scrutiny/Justification

Required by statute or regulation

Requisite Type

Prerequisite

Requisite

NS M03L

Requisite Description

Course in a sequence

Level of Scrutiny/Justification

Required by statute or regulation

Requisite Type

Corequisite

Requisite

NS M04L

Requisite Description

Corequisite

Level of Scrutiny/Justification

Closely related lecture/laboratory course

Requisite Type

Enrollment Limitation

Requisite

Criminal background clearance, current negative TB test or chest x-ray, drug and alcohol clearance, no acrylic or long nails in clinical settings, no visible tattoos or visible body piercings except for single studs in earlobes, physical examination demonstrating general good health, proof of freedom from and immunity to communicable diseases.

Admission to the Moorpark College Nursing Program that requires completion of program prerequisites and requirements.

Additional clinical facility clearance requirements that are not limited to:
CPR BLS Provider card from American Heart Association only.
Los Angeles City Hospital Fire and Life Safety card.
Current health insurance.
Current student nurse liability insurance.
Social Security Number or Individual Taxpayer ID Number.

Additional grooming standards for clinical settings: hair color of a natural shade; hair worn off the face and above the collar; facial hair groomed so facial masks fit snuggly; no artificial nails of any type; make-up if worn is to be conservative in style; if wearing jewelry a single simple ring is allowed.

Requisite Description

Credit program requisite (credit only)

Level of Scrutiny/Justification

Required by statute or regulation

Student Learning Outcomes (CSLOs)	
	Upon satisfactory completion of the course, students will be able to:
1	demonstrate advanced knowledge, skills, and attitudes essential to the function of Registered Nurses in common and emerging healthcare settings.
2	demonstrate advanced knowledge and theoretical concepts of the five critical competencies of safety/technical skills, critical thinking/clinical reasoning, communication skills, responsibility/accountability, and organization/prioritization skills.

Course Objectives	
	Upon satisfactory completion of the course, students will be able to:
1	Safety/Technical Skills: - apply concepts of care to patients in the acute medical/surgical setting with common to complex, acute, and chronic self care needs.
2	Critical Thinking and Clinical Reasoning: - discuss implementation of clinical decision-making concepts and judgment utilizing the nursing process applied to diverse adult individuals, support systems, and communities.

3	Communication: - discuss the interpretation and evaluation of patient-centered and interdisciplinary relationships. - utilize caring and inclusive communications including confidentiality through principles of verbal, nonverbal, and electronic communication systems.
4	Responsibility/Accountability: - identify and evaluate ethical and legal standards of nursing practice. - verify that patient care is within the ethical and legal framework of nursing. - justify gaps in caring, integrity, diversity, education, community service and quality of care.
5	Organization/Prioritization: - describe proficient management and leadership skills in providing care for a group of patients with common to complex health deviations. - revise care and collaborate with interdisciplinary healthcare team members in a collegial manner.

Course Content

Lecture/Course Content

55% Concepts of care for patients with health deviations of advanced respiratory disorders, advanced cardiovascular disorders, multi-system failure disorders, and immunodeficiency disorders

45% Concepts of nursing leadership and management

Laboratory or Activity Content

n/a

Methods of Evaluation

Which of these methods will students use to demonstrate proficiency in the subject matter of this course? (Check all that apply):

Written expression
Problem solving exercises

Methods of Evaluation may include, but are not limited to, the following typical classroom assessment techniques/required assignments (check as many as are deemed appropriate):

Group projects
Objective exams
Oral presentations
Portfolios
Problem-solving exams
Quizzes
Reports/papers
Research papers
Other (specify)
Classroom Discussion
Projects
Participation
Reports/Papers/Journals

Other

Mock interview
Computer-based evaluation assignments

Instructional Methodology

Specify the methods of instruction that may be employed in this course

Audio-visual presentations
Case studies
Class activities
Class discussions
Collaborative group work
Computer-aided presentations
Distance Education
Field trips
Group discussions
Guest speakers
Lecture

Problem-solving examples
Readings
Small group activities
Web-based presentations
Other (specify)

Specify other method of instruction
Flipped classroom active learning techniques.

Describe specific examples of the methods the instructor will use:
PowerPoint presentation on acute respiratory distress syndrome.
Guest speaker from a hospital, speaking on expectations of new graduate nurses in the clinical setting.
Case study discussion regarding a nursing ethical dilemma.

Representative Course Assignments

Writing Assignments
Write a research paper on a quality improvement initiative needed in an acute care hospital.
Practice writing cover letters/resumes.
Write a paper on personal philosophy of nursing.
Write answers to questions regarding patient case studies on multi-system failure, advanced respiratory disorders, advanced cardiac care or hemodynamic instability.

Critical Thinking Assignments
Participate in class discussions regarding safety, quality improvement, ethical, legal issues, confidentiality, and client's rights.
Plan the care of clients with advanced medical/surgical pathophysiological problems, focusing on advanced respiratory, cardiovascular, and multi-system failure.
Analyze and discuss cultural and spiritual differences seen in the acute and critical care settings.

Reading Assignments
Read a current sepsis protocol and apply it to an unfolding case scenario.
Read from the assigned textbook about nursing delegation in preparation for an in-class discussion.

Skills Demonstrations
n/a

Problem-Solving and Other Assignments (if applicable)
Respond to an unfolding case study pertaining to acute coronary syndrome and identify nursing priorities.
Examine case study data, identify legal and ethical issues involved in the situation, and discuss how nurses address the situation.

Outside Assignments

Representative Outside Assignments
Research issues of delegation to unlicensed assistive personnel.
Research the Nurse Practice Act in preparation for a debate on negligence and malpractice.
Develop a career portfolio.

Articulation

Comparable Courses within the VCCCD
NS V40 - Patient-Centered Care III and Transition to Professional Practice

Equivalent Courses at other CCCs

College	Course ID	Course Title	Units
Bakersfield College	NURS B28	Medical Surgical Nursing 4	7
El Camino College	NURSING 254	Advanced Nursing Process I	7
Pasadena City College	NURS 53	Advanced Medical - Surgical Nursing	3

District General Education

A. Natural Sciences

B. Social and Behavioral Sciences

C. Humanities

D. Language and Rationality

E. Health and Physical Education/Kinesiology

F. Ethnic Studies/Gender Studies

Course is CSU transferable
Yes

CSU Baccalaureate List effective term:
Fall 2020

CSU GE-Breadth

Area A: English Language Communication and Critical Thinking

Area B: Scientific Inquiry and Quantitative Reasoning

Area C: Arts and Humanities

Area D: Social Sciences

Area E: Lifelong Learning and Self-Development

Area F: Ethnic Studies

CSU Graduation Requirement in U.S. History, Constitution and American Ideals:

IGETC

Area 1: English Communication

Area 2A: Mathematical Concepts & Quantitative Reasoning

Area 3: Arts and Humanities

Area 4: Social and Behavioral Sciences

Area 5: Physical and Biological Sciences

Area 6: Languages Other than English (LOTE)

Textbooks and Lab Manuals
Resource Type
Textbook

Description
Harding, Mariann M., et al. *Lewis's Medical-Surgical Nursing: Assessment and Management of Clinical Problems*. 12th ed., Mosby, 2022.

Resource Type
Textbook

Description

Lynn, Pamela. *Taylor's Clinical Nursing Skills: A Nursing Process Approach*. 6th ed., Wolters Kluwer, 2022.

Resource Type

Software

Description

Assessment Technologies Institute. *ATI Comprehensive Assessment and Review Package (CARP)*. Assessment Technologies Institute, (latest edition).

Resource Type

Other Resource Type

Description

Moorpark College Nursing Student Handbook, (current edition).

Resource Type

Textbook

Classic Textbook

No

Description

Cherry, Barbara, and Susan R. Jacob. *Contemporary Nursing: Issues, Trends, and Management.* 9th ed., Mosby, 2022.

Library Resources

Assignments requiring library resources
Research, using the Library's print and online databases specializing in medicine and nursing topics.

Sufficient Library Resources exist
Yes

Example of Assignments Requiring Library Resources
Use the library's print and online resources specializing in nursing topics to prepare for writing a paper on patient advocacy and the nurse's role.

Conduct library and Internet research on current nursing plans of care for clients in acute respiratory failure.

Distance Education Addendum

Definitions

Distance Education Modalities
Hybrid (1%–50% online)
Hybrid (51%–99% online)
100% online

Faculty Certifications

Faculty assigned to teach Hybrid or Fully Online sections of this course will receive training in how to satisfy the Federal and state regulations governing regular effective/substantive contact for distance education. The training will include common elements in the district-supported learning management system (LMS), online teaching methods, regular effective/substantive contact, and best practices.

Yes

Faculty assigned to teach Hybrid or Fully Online sections of this course will meet with the EAC Alternate Media Specialist to ensure that the course content meets the required Federal and state accessibility standards for access by students with disabilities. Common areas for discussion include accessibility of PDF files, images, captioning of videos, Power Point presentations, math and scientific notation, and ensuring the use of style mark-up in Word documents.

Yes

Regular Effective/Substantive Contact

Hybrid (1%−50% online) Modality:

Method of Instruction	Document typical activities or assignments for each method of instruction
Asynchronous Dialog (e.g., discussion board)	Online instructors will provide lesson plans that require activities such as reading course material from a mandatory textbook and participating in discussion forums or chat room topics. Instructors will provide students with feedback on the content and quality of assignments and discussion posts. Additionally, instructors may engage students using the following communication activities available in the online classroom: contact students via e-mail within the course shell, by campus e-mail, and/or MyVCCCD. Instructors may involve students in active learning with the following activities: students may complete homework and receive feedback through the online course, and/or using an interactive online homework system provided by a publishing company; students may engage in internet searches and Library online database resources on topics corresponding to course content and learning objectives; students may test their knowledge with interactive online quizzes; students may interact with the instructor and classmates using an online discussion forum to ask questions; students may submit questions to the instructor by email or ask in person in a virtual classroom; instructor may create student groups or group activities using the online course.
E-mail	Contact with students by college or Canvas email
Other DE (e.g., recorded lectures)	Online instructors will provide lesson plans that require activities such as reading course material from a mandatory textbook and participating in discussion forums or chat room topics. "Announcement" tool to remind students of important assignments and due dates; provide students with an online schedule of class events using the "calendar" tool in the online course shell. Instructors may involve students in active learning with the following activities: students may view video lessons and/or text-based lessons corresponding to course content and learning objectives; students may complete homework through the online course, and/or using an interactive online homework system provided by a publishing company; students may engage in internet searches and Library online database resources on topics corresponding to course content and learning objectives; students may test their knowledge with interactive online quizzes.
Video Conferencing	Lectures, study sessions. Instructors may involve students in active learning with the following activities: students may view video lessons and/or text-based lessons corresponding to course content and learning objectives; students may complete homework through the online course, and/or using an interactive online homework system provided by a publishing company; students may engage in internet searches and Library online database resources on topics corresponding to course content and learning objectives; students may test their knowledge with interactive online quizzes; students may interact with the instructor and classmates using an online discussion forum to ask questions; instructor may create student groups or group activities using the online course.

Hybrid (51%–99% online) Modality:

Method of Instruction	Document typical activities or assignments for each method of instruction
Asynchronous Dialog (e.g., discussion board)	Online instructors will provide lesson plans that require activities such as reading course material from a mandatory textbook and participating in discussion forums or chat room topics. Instructors will provide students with feedback on the content and quality of assignments and discussion posts. Additionally, instructors may engage students using the following communication activities available in the online classroom: contact students via e-mail within the course shell, by campus e-mail, and/or MyVCCCD. Instructors may involve students in active learning with the following activities: students may complete homework and receive feedback through the online course, and/or using an interactive online homework system provided by a publishing company; students may engage in internet searches and Library online database resources on topics corresponding to course content and learning objectives; students may test their knowledge with interactive online quizzes; students may interact with the instructor and classmates using an online discussion forum to ask questions; students may submit questions to the instructor by email or ask in person in a virtual classroom; instructor may create student groups or group activities using the online course.
E-mail	Contact with students by college or Canvas email
Other DE (e.g., recorded lectures)	Online instructors will provide lesson plans that require activities such as reading course material from a mandatory textbook and participating in discussion forums or chat room topics. "Announcement" tool to remind students of important assignments and due dates; provide students with an online schedule of class events using the "calendar" tool in the online course shell. Instructors may involve students in active learning with the following activities: students may view video lessons and/or text-based lessons corresponding to course content and learning objectives; students may complete homework through the online course, and/or using an interactive online homework system provided by a publishing company; students may engage in internet searches and Library online database resources on topics corresponding to course content and learning objectives; students may test their knowledge with interactive online quizzes.
Video Conferencing	Lectures, study sessions. Instructors may involve students in active learning with the following activities: students may view video lessons and/or text-based lessons corresponding to course content and learning objectives; students may complete homework through the online course, and/or using an interactive online homework system provided by a publishing company; students may engage in internet searches and Library online database resources on topics corresponding to course content and learning objectives; students may test their knowledge with interactive online quizzes; students may interact with the instructor and classmates using an online discussion forum to ask questions; instructor may create student groups or group activities using the online course.

100% online Modality:

Method of Instruction	Document typical activities or assignments for each method of instruction
Asynchronous Dialog (e.g., discussion board)	Online instructors will provide lesson plans that require activities such as reading course material from a mandatory textbook and participating in discussion forums or chat room topics. Instructors will provide students with feedback on the content and quality of assignments and discussion posts. Additionally, instructors may engage students using the following communication activities available in the online classroom: contact students via e-mail within the course shell, by campus e-mail, and/or MyVCCCD. Instructors may involve students in active learning with the following activities: students may complete homework and receive feedback through the online course, and/or using an interactive online homework system provided by a publishing company; students may engage in internet searches and Library online database resources on topics corresponding to course content and learning objectives; students may test their knowledge with interactive online quizzes; students may interact with the instructor and classmates using an online discussion forum to ask questions; students may submit questions to the instructor by email or ask in person in a virtual classroom; instructor may create student groups or group activities using the online course.
E-mail	Contact with students by college or Canvas email
Other DE (e.g., recorded lectures)	Online instructors will provide lesson plans that require activities such as reading course material from a mandatory textbook and participating in discussion forums or chat room topics. "Announcement" tool to remind students of important assignments and due dates; provide students with an online schedule of class events using the "calendar" tool in the online course shell. Instructors may involve students in active learning with the following activities: students may view video lessons and/or text-based lessons corresponding to course content and learning objectives; students may complete homework through the online course, and/or using an interactive online homework system provided by a publishing company; students may engage in internet searches and Library online database resources on topics corresponding to course content and learning objectives; students may test their knowledge with interactive online quizzes.
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Examinations

Hybrid (1%−50% online) Modality

On campus
Online

Hybrid (51%−99% online) Modality

On campus
Online

Primary Minimum Qualification
NURSING

Review and Approval Dates

Department Chair
10/03/2022

Dean
10/04/2022

Technical Review
10/06/2022

Curriculum Committee
10/18/2022

DTRW-I
MM/DD/YYYY

Curriculum Committee
MM/DD/YYYY

Board
MM/DD/YYYY

CCCCO
MM/DD/YYYY

Control Number
CCC000428527

DOE/accreditation approval date
MM/DD/YYYY