NS M04L: ADVANCED NURSING SCIENCE CLINICAL LABORATORY

Originator
clee

Co-Contributor(s)

Name(s)
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College
Moorpark College

Discipline (CB01A)
NS - Nursing Science

Course Number (CB01B)
M04L

Course Title (CB02)
Advanced Nursing Science Clinical Laboratory

Banner/Short Title
Adv. Nursing Sci. Clinical Lab

Credit Type
Credit

Start Term
Fall 2023

Catalog Course Description
Part 1: Provides application of patient-centered, evidence-based nursing care to 1-6 adult patients with common to complex, acute, and chronic healthcare needs in the acute care setting using the nursing process related to health promotion and self-care deviations.

Part 2: Provides the application of patient-centered, evidence-based nursing care to patients in a precepted acute care environment using the nursing process related to health promotion and self-care deviations.

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
Will not be required

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

Activity

Laboratory
Minimum Contact/In-Class Laboratory Hours
236.25
Maximum Contact/In-Class Laboratory Hours
236.25

Total in-Class

Total in-Class
Total Minimum Contact/In-Class Hours
236.25

Total Maximum Contact/In-Class Hours
236.25

Outside-of-Class

Internship/Cooperative Work Experience

Paid

Unpaid

Total Outside-of-Class

Total Outside-of-Class

Total Student Learning

Total Student Learning
Total Minimum Student Learning Hours
236.25
Total Maximum Student Learning Hours
236.25

Minimum Units (CB07)
4.5
Maximum Units (CB06)
4.5

Prerequisites
NS M03 and NS M03L

Corequisites
NS M04

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-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.
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-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-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-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-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 and NS M03L

Requisite Description
Course in a sequence

Level of Scrutiny/Justification
Required by statute or regulation

Requisite Type
Corequisite

Requisite
NS M04

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 level 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.
2	demonstrate advanced level knowledge, skills and attitudes essential to the function of Registered Nurses in common and emerging healthcare settings.

Course Objectives	
	Upon satisfactory completion of the course, students will be able to:
1	Safety/Technical Skills: -provide caring, safe, and technically competent patient-centered nursing care to 1-6 patients with common to complex, acute and chronic health and self-care needs of adults in common and emerging healthcare settings.
2	Critical Thinking and Clinical Reasoning: -implement clinical decision-making concepts and judgement utilizing the nursing process applied to diverse adult and geriatric individuals, support systems, and communities.

3	Communication: -interpret and evaluate 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.
4	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 justifying gaps in caring, integrity, diversity, education, community service and quality of care.
5	Organization/Prioritization: -demonstrate proficient management and leadership skills in providing care for a group of patients with common to complex health deviations, revising care accordingly, and collaborating with interdisciplinary health care team members in a collegial manner.

Course Content

Lecture/Course Content

N/A

Laboratory or Activity Content

50% In Part 1: Apply concepts of care for 1-6 adults patients in the acute care setting including:
1. safety and technical skills
2. critical thinking and clinical reasoning
3. communication
4. responsibility/accountability
5. organization/prioritization skills

50% In Part 2: Apply concepts of care for patients (up to state-mandated nurse-patient ratios) in the acute care setting through a precepted clinical experience including:
1. safety and technical skills
2. critical thinking and clinical reasoning
3. communication
4. responsibility/accountability
5. organization/prioritization skills

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
Skills demonstrations

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):

Clinical demonstration
Journals
Laboratory activities
Reports/papers
Simulations
Skills demonstrations
Other (specify)
Projects
Participation
Reports/Papers/Journals

Other

Medication Proficiency exam
Evaluation of clinical performance
Critical thinking journals
Nursing care plan

Instructional Methodology

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

Case studies
Clinical demonstrations

Distance Education
Instructor-guided interpretation and analysis
Laboratory activities
Practica
Other (specify)

Specify other method of instruction

Clinical role modeling and demonstration of registered nursing skills
Observation and verbal guidance in the clinical and simulation lab setting

Describe specific examples of the methods the instructor will use:

Written feedback on critical thinking journals and nursing care plan pertaining to a patient with acute respiratory distress syndrome.

Verbal guidance in debriefing after simulation and during clinical experiences pertaining to patients with acute coronary disorders.

Representative Course Assignments

Writing Assignments

Complete a critical thinking journal.

Construct/write a care plan focusing on a patient with multisystem failure with complex hemodynamic instability.

Critical Thinking Assignments

Analyze patient information to develop a clinical care plan focusing on a multisystem failure patient with complex respiratory instability.

Complete a Quality and Safety Education for Nurses (QSEN) 60-second patient safety assessment, identify gaps in safety, and construct and implement a plan for closing the safety gaps.

Note trends and analyze patient lab values, adjusting the plan of care as needed.

Reading Assignments

Read about assessment of a client with mechanical ventilation, in preparation for assessing a client experiencing this treatment in the clinical setting.

Read a peer reviewed journal article about a self-selected topic pertaining to the nursing profession, in preparation for writing a research paper on the topic.

Skills Demonstrations

Perform peripheral intravenous cannulation.

Administer a medication by intravenous injection.

Demonstrate professionalism during a mock interview.

Problem-Solving and Other Assignments (if applicable)

Complete practice worksheets in preparation for the medication proficiency exam.

Analyse assessment data for a client diagnosed with an immunodeficiency disorder and formulate a nursing plan of care.

Outside Assignments

Articulation

Equivalent Courses at 4 year institutions

University	Course ID	Course Title	Units
Feather River College	NURS 223 AND 225	Advanced Medical Surgical Nursing Lab I and II	2 & 1.5
El Camino College	NURSING 254	Advanced Nursing Process I	7
Pasadena City College	NURS 53L	Advanced Medical - Surgical Nursing - Clinical	5

Comparable Courses within the VCCCD

NS V40 - Patient-Centered Care III and Transition to Professional Practice

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:
F1995

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 . Assessment Technologies Institute.

Resource Type

Other Resource Type

Description

Moorpark College Nursing Student Handbook.

Resource Type

Other Resource Type

Description

Moorpark College Nursing Sciences Workbooks, Current Edition; NS 4, Part 1 and Part 2.

Library Resources

Assignments requiring library resources

Research for the creation of nursing care plans on a complex, multisystem failure patient using the Library's print and online resources.

Identify and read a peer reviewed journal article about a self-selected topic pertaining to the nursing profession.

Sufficient Library Resources exist

Yes

Example of Assignments Requiring Library Resources

Research for the creation of nursing care plans on a complex, multisystem failure patient using the Library's print and online resources specializing in nursing topics.

Identify and read a peer reviewed journal article about a self-selected topic pertaining to the nursing profession, in preparation for writing a research paper on the topic.

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	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 product provided by a publisher or vendor; 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 and complete interactive course activities such as case study review; 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	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 product provided by a publisher or vendor; 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 and complete interactive course activities such as case study review; 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
CCC000536446

DOE/accreditation approval date
MM/DD/YYYY