



Basic Course Information

Semester:	Fall 2023	Instructor Name:	Teresa Vea Santos
Course Title & #:	NURS 223 MS & Geriatrics	Email:	teresa.santos@imperial.edu
CRN #:	10954/10958	Webpage (optional):	
Classroom:	2110	Office #:	2103
Class Dates:	8/14/23-10/27/23	Office Hours:	M0700-0800 T 1300-1400 W/TH 0900-1000 via Pronto
Class Days:	Theory: T Clinical: S/SU	Office Phone #:	760-355-6574
Class Times:	T 1400-1800/ 0700-1900	Emergency Contact:	Nursing Department
Units:	5.0	Class Format/Modality:	In-person

Course Description

This course focuses on the health alterations of adults and older adults. Emphasis is placed on the unique alterations of adults and those progressing in age including the oldest old in the adult life span. Evidence based practices related to changes in physiological status, psychosocial needs, health promotion, health education, safety, end-of-life-care, and interdisciplinary collaboration are integrated throughout the course. Clinical experiences provide an opportunity to apply theoretical concepts and principles of geriatric nursing while implementing safe care in a variety of health care and community settings. (CSU) (CSU)

Prerequisites

NURS 128 and NURS 123

Student Learning Outcomes

Upon course completion, the successful student will have acquired new skills, knowledge, and or attitudes as demonstrated by being able to:

1. Understand nursing theory to plan, implement and evaluate nursing care for adult and geriatric patient with acute and chronic body system stressors in the hospital setting. Demonstrate integration of knowledge in the areas taught by passing biweekly theory exams with an individual score of 78% or above.
2. Integrate nursing that is patient centered, caring, culturally sensitive and based on the physiological and psychosocial and spiritual needs of patients. Demonstrate integration of knowledge in medical surgical nursing by passing the final 78% or above
3. Demonstrate proper use of delegation, team leading, and the use of interdisciplinary model to manage and /or coordinate the health care of selected patients. a. Assessed by clinical evaluation tool
4. Implement critical thinking skills in the implementation of the nursing process while providing safe patient care and meeting the needs of culturally diverse patients within multidisciplinary healthcare systems. a. Assessed by simulation competency.

Course Objectives

Upon satisfactory completion of the course, students will be able to:

1. Perform a comprehensive health assessment on adult and older adult clients with medical and/or surgical and/or functional alterations, and identify deviations from normal as well as related health risks.
2. Develop an individualized, evidence based plan of care that demonstrates an appreciation of an adult and/or older adult's cultural, spiritual, and developmental variations and includes recommendations for the adoption of health-promoting behaviors.
3. Participate as a member of the interprofessional health care team and client advocate while providing quality care that promotes client safety for adults and older adults with medical and/or surgical, functional, or other health alterations.

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4. Demonstrate clinical judgment, decision-making, and evaluation of outcomes when providing care to adult and older adult clients experiencing treatment (or lack of) for health alterations.
5. Apply knowledge of pharmacology, pathophysiology, and nutrition as well as evidence based practice to the care of adult and older adult clients with medical and/or surgical health alterations.
6. Use verbal and nonverbal communication that promotes therapeutic relationships with adults, older adults, and their families, as well as professional relationships with members of the interprofessional health care team.
7. Use information technologies to access evidence based literature and client information as well as communicate with members of the interprofessional health care team, accurately documenting client care in a secure and timely manner.
8. Identify, plan and provide health and safety related education to adult/geriatric clients and their families in conjunction with members of the interprofessional health care team.
9. Use organizational and priority setting skills when providing care to adult and geriatric clients with medical and/or surgical health alterations.
10. Acknowledge the importance of the nurse's role in measuring outcomes, reporting safety and quality care concerns, and participating in activities that promote health and/or improvement of health status.
11. Adhere to ethical, legal, and professional standards while maintaining accountability and responsibility for the care provided to adults, older adults, and their families.

Textbooks & Other Resources or Links

Required:

Author	ISBN	Title	Edition	Publisher	Year
Hinkle & Cheever	9781975161033	Brunner & Suddarth's Textbook of Medical-Surgical Nursing	15th	LWW	2022
Tabloski	9781975161002	Gerontological Nursing	10 th	Pearson	2021
Burchum & Rosenthal	9780323825221	Lehne's Pharmacology for Nursing Care	11th	Elsevier	2021

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Recommended:

Author	ISBN	Title	Edition	Publisher	Year
Fischbach	9781975173425	Manual of Lab & Diagnostic Testing	11th	LWW	2021
Lynn	9781975168704	Taylor's Clinical Nursing Skills	6th	LWW	2022

Atlas of Pathophysiology, 3rd Edition ISBN: 1496370929

Course Requirements and Instructional Methods

Hours

NS 223 is a 5-unit theory and clinical course. Lectures are held total of 4.0 hours per week and clinical hours are 13 per week. Clinical hours may be adjusted to meet the required assignment locations; this may include a clinical rotation at a different time than posted or on a different day. Students are responsible for transportation to clinical sites and attendance at all scheduled clinical rotations.

Assignments

Reading, CD/video, Internet, and writing assignments are required. Students will be expected to read, understand, and critique information from college level textbooks, nursing journals, or equivalent. The reading list will include texts used in prior nursing courses and those required of this course (see text book list). Additional reading assignments will be required to supplement textbook material. Writing assignments will reflect the objectives listed and may include, but not be limited to, short essays, posters, and/or professional papers. Outside assignments including but not limited to nursing lectures, independent exercises, and learning center activities may be assigned and are required.

Clinical pre-assignments will include preparing for clinical by practicing skills, obtaining patient data, reviewing medication

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information, and completing pre-assignments as designated for each clinical area. Clinical hours will be spent demonstrating proficiency, providing professional nursing care to assigned patients, observations in various clinical departments, and participating in simulation. Written post-assignments will relate to the clinical experience and may include but not be limited to care plans, case studies, professional papers/posters, and journal entries. Clinical sites may include hospitals, clinics, simulation lab, schools, home health agencies, public health agencies and social service agencies.

It is each student's responsibility to complete all facility requirements, i.e., BLS training, immunizations, background checks, drug screening, specific hospital orientation, etc., prior to clinical rotations (please see the student handbook for more information). A student will not be allowed to attend any clinical hours until this is done. If over the maximum hours of absenteeism because of this, the student will be dropped from the class.

Simulations are a safe learning environment where all students will have the opportunity to interact within a structured scenario. Simulations will be utilized during this class and simulation materials will be handed out during the semester. All advance assignments must be completed before the start of class via zoom meetings. Failure to complete the pre-assignment will prevent the student from attending the class for the day and results in a clinical absence.

Plagiarism and cheating policies noted in the student handbook and IVC policies will be strictly enforced. Students are expected to develop original work for this course. It is recommended that students visit the college library to become acquainted with research tools available.

Instructional Methodology:

Audio Visual

Example of skills required for successful course completion

Computer Assisted Instruction

Internet research

Demonstration

Live and simulated assessment of the adult and geriatric - Pertaining to acid base, cardiac, respiratory, neuro, immune, excretory, oncology, and endocrine systems

Discussion

Issues on medical surgical and geriatric nursing

Group Activity

Patient education activity

Lab Activity

Assessment skills

Lecture

Simulation/Case Study

Simulation labs

Course Grading Based on Course Objectives

Methods of Evaluation

Written Assignments

Skill Demonstration

Quizzes

Oral Assignments

Mid-Term/Final Exam(s)

Class Activity

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Students must maintain a “C” average grade as determined by the scale below:

- A = 93-100%
- B = 92-85%
- C = 84-78%
- D = 77-70%
- F = Below 69%

Grades will not be “rounded”. To advance, a “C” or better is required in this course and the co-requisite courses.

All of the following must be attained to successfully pass this course:

- A. Final Theory Exam score must be passed at a 78%
- B. Clinical grade must total equivalent of 78% or greater based on all points accumulated.
- C. Theory (exams) grade must total equivalent of 78% or greater.
- D. Attendance requirements as noted below must be met.
- E. Less than 3 unsatisfactory in clinical work must occur.
- F. Final clinical evaluation must show all categories as “Adequate” or “Satisfactory”.

Testing will include no more than 8 examinations in addition to written, demonstration, and oral assignments, and a final examination. Pop quizzes may be included. EXCEPT FOR UNDER EXTREME CIRCUMSTANCES, THERE WILL BE NO MAKE-UPS FOR TESTS OR QUIZZES MISSED DUE TO ABSENCE.

Clinical evaluation will be done on an ongoing basis with a student required to meet “adequate” or “satisfactory” in all areas to pass the course. Evaluation is based on written assignments, adherence to nursing standards of care, QSEN competencies, and professional performance. An unsatisfactory in clinical may be given based on the same standards of care and professional performance and will require remediation in the learning center. Three unsatisfactory grades given in clinical or failure to meet the clinical objectives will result in failure of this class regardless of the overall grade.

As a measure of clinical safety, a dosage calculation exam will be given. The student must obtain a score equivalency of 92% or better to pass the test and continue in the class. Calculator will not be used for exam. The score will not be included or averaged for this class; it is a pass/fail assignment. Please refer to RNP1020 Medication Calculation Competency Test Policy.

Schedule may change at the discretion of the instructors, taking into account the progress of students with the materials. Any change will be announced in class or via IVC student email and/or through Blackboard. Students are held responsible for all materials covered in the syllabus and for any changes that are announced in class or by email. Students are responsible for reviewing all material in the ATI books prior to the assigned test date.

It is recommended that if a grade falls below 78% that the student will arrange to meet with the faculty member. Faculty can be reached in person, by email, or during office hours to discuss grades or other classroom or clinical matters. The student is responsible for withdrawing (W) from the class before the deadline as outlined on your registration forms. Failure to pass this class will affect your ability to progress to the next semester. Students failing or withdrawing must complete a Petition to Re-Enter.

Academic Honesty (Artificial Intelligence -AI)

IVC values critical thinking and communication skills and considers academic integrity essential to learning. Using AI tools as a replacement for your own thinking, writing, or quantitative reasoning goes against both our mission and academic honesty policy and will be considered academic dishonesty, or plagiarism unless you have been instructed to do so by your instructor. In case of any uncertainty regarding the ethical use of AI tools, students are encouraged to reach out to their instructors for clarification.

- Plagiarism is to take and present as one's own the writings or ideas of others, without citing the source. You should understand the concept of plagiarism and keep it in mind when taking exams and preparing written materials. If you do not understand how to correctly "cite a source" you must ask for help.
- Cheating is defined as fraud, deceit, or dishonesty in an academic assignment or using or attempting to use materials, or assisting others in using material, or assisting others in using material, which are prohibited or inappropriate in the context of the academic assignment in question.
- Anyone caught cheating or will receive a zero (0) on the exam or assignment, and the instructor may report the incident to the Campus Disciplinary Officer, who may place related documentation in a file. Repeated acts of cheating may result in an F in the course and/or disciplinary action. Please refer to the General School Catalog for more information on academic dishonesty or other misconduct. Acts of cheating include, but are not limited to the following: (a) plagiarism; (b) copying or attempting to copy from others during an examination or on an assignment; (c) communicating test information with another person during an examination; (d) allowing others to do an assignment or portion of an assignment, (e) use of a commercial term paper service.

Course Policies

Attendance

It is the responsibility of each student to attend all classroom and clinical hours and to contact the faculty person before the start of class of any need to be excused from class. If a student does not contact the faculty member and is absent, a clinical unsatisfactory for unprofessional behavior will be given. Students are expected to attend all classes. Absences are limited to 17 hours throughout the semester. A student who reaches the maximum allowable hours of absenteeism or tardiness may be dropped by the instructor. **If the student is tardy 3 times for any reason this will constitute a full day absence.** It is the responsibility of each student to attend all classroom and clinical hours and to contact the faculty person before the start of class of any need to be excused from class. If a student does not contact the faculty member and is absent, a clinical unsatisfactory for unprofessional behavior will be given. Students are expected to attend all classes. Absences are limited to 17 hours throughout the semester (equivalent to number of hours class meets in one week via online). A student who reaches the maximum allowable hours of absenteeism or tardiness may be dropped by the instructor.

To evaluate a student's ability to provide for patient safety and to demonstrate clinical competence, students must be present in clinical. Absenteeism and/or tardiness beyond the maximum allowed will result in being dropped from NS223. This will result in a "W" grade if before the drop date and "F" if after that date.

Core Content

Lecture Outline

1. Introduction to Medical Surgical and Geriatric Nursing;
2. Alterations in Fluid and Electrolytes with Acid Base Imbalances and Respiratory/Metabolic Acidosis/Alkalosis;
3. Alterations in Cognition, Sensation, and Psychosocial Variations with aging process;
4. Alterations in Oxygenation, Cardiac Output and Tissue Perfusion;
5. Alterations in Immunity;
6. Alterations in Digestion, Absorption, and Elimination/Excretion;
7. Alterations in Regulation, Metabolism, and Mobility;
8. Oncology and Chronic Illnesses;
9. Nursing Care and Education of Adults and Older Adults
10. Ethical, legal, and professional standards and responsibilities for adults, older adults, and their families



Lab Outline

1. Introduction to care management for advanced Medical Surgical and Geriatric Nursing;
2. Recognizing and managing fluids, electrolytes, acid-base imbalances, and respiratory/metabolic acidosis/alkalosis;
3. Recognizing and addressing alterations in cognition, sensation, and psychosocial variations with aging process;
4. Recognizing and addressing alterations in oxygenation, cardiac output and tissue perfusion;
5. Recognizing and addressing alterations in immunity;
6. Recognizing and addressing alterations in digestion, absorption, and elimination/excretion;
7. Recognizing and addressing alterations in regulation, metabolism, and mobility;
8. Managing adult and older adults with oncological and chronic illnesses;
9. Nursing care and education of adults and older adults
10. Recognizing and addressing issues related to ethical, legal, and professional standards and responsibilities for adults, older adults, and their families

IVC Student Resources

IVC wants you to be successful in all aspects of your education. For help, resources, services, and an explanation of policies, visit <http://www.imperial.edu/studentresources> or click the heart icon in Canvas.

Anticipated Class Schedule/Calendar

Date or Week	Activity, Assignment, and/or Topic	Pages/ Due Dates/Tests
Week 1 Hematology	<p>Syllabus & Introduction</p> <p>Blood Transfusion Skill</p> <p>Hematology: Hematologic disorders/WBC and lymphatic: agranulocytosis, multiple myeloma, lymphedema, lymphomas</p> <p>Hematologic disorders/RBC and platelets: anemias, polycythemia, thrombocytopenia, DIC</p> <p>Pharmacology: ferrous iron salts, iron dextran, sodium-ferric gluconate complex, iron sucrose, ferumoxytol, Vitamin B12, folic acid, epoetin alfa, darbepoetin alfa, filgrastin</p> <p>Canvas: Module PowerPoints Videos: Blood transfusion, blood products and transfusions</p>	<p>B/S: 28-30 G: 6-10</p>
Week 2 Alterations in Cardiac Output	<p>Test #1 Hematology Med Math #1</p> <p>Ischemic disorders: angina, coronary artery disease, myocardial infarction</p> <p>Decreased cardiac output disorders: heart failure, pulmonary edema, cardiomyopathy, valvular disorders</p>	<p>B/S: 21-27 G: 11-13, 17</p>



Date or Week	Activity, Assignment, and/or Topic	Pages/ Due Dates/Tests
	<p>Electrical conduction: basic conduction of the heart</p> <p>Peripheral vascular disorders: peripheral vascular disease, peripheral artery disease</p> <p>Decreased arterial pressure disorders: postural hypotension</p> <p>Pharmacology: nitrates, antihypertensives, antilipemics, antiplatelets, anticoagulants, statins, nutrition/dietary approaches</p> <p>Central line/mediport demonstration</p> <p>Canvas: Module PowerPoints Videos: Level Up RN Cardiovascular System Playlist</p>	
<p>Week 3</p> <p>Continue Alterations in Cardiac Output</p>	<p>Case study/simulation</p> <p>Canvas: Module PowerPoints Videos: Simple Nursing</p>	<p>B/S: 21-27 G: 17</p>
<p>Week 4</p> <p>Alterations in Kidney and Urinary Function</p>	<p>Test# 2 Cardiac</p> <p>Case study/simulation</p> <p>Infections/inflammatory disorders: pyelonephritis, glomerulonephritis, acute and chronic renal failure</p> <p>Renal calculi: kidney stones, urolithiasis</p> <p>Abnormal cell proliferation: kidney cancer, bladder cancer</p> <p>Pharmacology: penicillins, macrolids, erythropeotics growth factors</p>	<p>B/S: 47-49 G: 30-32,15, 19</p>
	<p>Canvas: Module PowerPoints Videos: Kidney & Urinary Function, Altered Renal and Urologic Function Part I Lecture</p>	
<p>Week 5</p> <p>Continue Alterations in Kidney and Urinary Function</p>	<p>Case study/simulation</p> <p>Canvas: Module PowerPoints Videos: Altered Renal and Urologic Function Part II Lecture</p>	<p>B/S: 47-49 G: 30-32, 19</p>
<p>Week 6</p> <p>Alteration in Gastrointestinal</p>	<p>Test #3 Kidney and Urinary Function</p> <p>Case study/simulation</p> <p>Hepatic & Biliary Disorders Pancreatic Insufficiency</p> <p>Irritable bowel disease: celiac, Crohn's ulcerative colitis</p>	<p>B/S: 38-41 G: 33-36, 18</p>



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	<p>Short bowel syndrome, bowel obstruction</p> <p>Pharmacology: prokinetic agents, antacids, proton pump inhibitors, histamine 2 receptor antagonists, antiemetics, bile sequestrants</p> <p>Anti-infective agents: Amoxil, biaxin, flagyl, tetracycline, helidac</p> <p>Digestive enzymes: pancrelipase</p> <p>Anti-diarrheal: Lomotil, Imodium paregoric, codeine, bismuth</p> <p>Anti-viral: interferon, Adefovir, Epivir, Ribavirin</p> <p><u>Canvas:</u> Module PowerPoints Videos: The GI System PicMonic Webinar, Simple Nursing Pharmacology GI & Nutrition</p>	
<p>Week 7</p> <p>Continue Alterations in Gastrointestinal</p>	<p>Case study/simulation</p> <p><u>Canvas:</u> Module PowerPoints Videos: Hepatobiliary Disorders, Simple Nursing Pancreatitis</p>	<p>B/S: 38-41 G: 33-36, 18</p>
<p>Week 8</p> <p>Alterations in Neurologic Function</p>	<p>Test# 4 Gastrointestinal</p> <p>Case study/simulation</p> <p>Cerebral vascular accident</p> <p>Multiple etiological factor disorders: migraines, tension headaches, trigeminal neuralgia, Bell's palsy</p> <p>Meningitis</p> <p>Seizures</p> <p>Pharmacology: osmotic diuretics, central acting muscle relaxants</p> <p>Disease modifying drugs for multiple sclerosis</p> <p>Migraine drugs: ergot alkaloids, ersotonin reuptake</p> <p><u>Canvas:</u> Module PowerPoints Videos: Level Up RN Nervous System Playlist, Simple Nursing Neurological Medication</p>	<p>B/S: 60-65 G: 22, 23, 27, 28</p>
<p>Week 9</p> <p>Review</p>	<p>Test # 5 Neurologic Function</p> <p>Comprehensive Review</p>	
<p>Week 10</p> <p>Finals</p>	<p>Comprehensive Final Exam</p> <p>Final Exam 10/17/23 @ 1400 in Nursing Computer Lab</p>	



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*****Subject to change without prior notice*****