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472-02 Care of the Complex Client

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Xavier University
College of Professional Sciences
School of Nursing
Fall 2018

COURSE NUMBER: NURS 472-02
COURSE TITLE: Care of the Complex Client
CREDIT HOURS: 4 SEMESTER HOURS
THEORY HOURS: 60 contact hours
PRE-REQUISITES: All 300 level nursing courses (360, 361, 372, 373, 370)
CO-REQUISITES: NURS 473

FACULTY: Collin Dadosky, MSN RN
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Office hours: M/W 10:00-11:30am and by appointment

COURSE TIMES: 8:00-9:50 MW
LOCATION: Cohen 187

COURSE DESCRIPTION: This course prepares the student to integrate knowledge from all previous courses in emphasizing the holistic interrelatedness of mind, body, and spirit in order to assess, plan, implement and evaluate care of the complex client. The various roles of the nurse as a participant within the health care system will be examined. Introduction to health care delivery systems, resource management, and quality improvement will be explored.

COURSE OBJECTIVES:

1. Synthesize multiple sources of data to plan, coordinate, delegate, and evaluate the safe and effective care of complex clients.
2. Demonstrate the integration of the humanities and sciences as they relate to the safe and effective care of the complex client.
3. Explain communication systems essential to caring for the complex client.
4. Describe the relationship between managing resources and providing care to the complex client.
5. Discuss the various roles of the nurse within the health care system.
6. Debate the legal and ethical issues related to the complex client.
7. Explore the socio-political influences on an integrated health care delivery system as it relates to the care of the complex client.
8. Demonstrate accountability and responsibility for own ethical professional behaviour and development.

This course meets BSN Essentials I, II, II, IV, V, VI, VII, VIII, and IX.

TEACHING/LEARNING STRATEGIES: Class discussion, in-class group/individual work, concept mapping, case studies, lecture/presentations, videos, class-prep assignments, quizzes.

ASSIGNMENTS:

There are a variety of assignments throughout the course. Detailed information regarding the assignments can be found on Canvas. All homework assignments must be turned in on time for consideration of full credit. Assignments must be submitted by the date and time indicated on the syllabus and/or calendar. In-class assignments will be due at the end of the class period in which they are assigned. No late assignments will be accepted unless there are extenuating circumstances. The student must contact the faculty member prior to the date the assignment is due, in order to be granted an exception for extenuating circumstances (this includes in-class assignments, see attendance policy below).

METHODS OF EVALUATION:

Exam #1	= 20%
Exam #2	= 20%
Exam #3	= 20%
Final Exam	= 25%
ATI Real Life Modules (2)	= 4%
Quizzes	= 4%
Participation/Assignments	= 7%
	100%

Quizzes:

There will be four online quizzes that completed at home prior to due date on calendar. The quizzes can be open book. Completion of the quizzes will help in preparation for the upcoming tests.

Section Exams:

There will be three section exams. The content of those exams will be the topics covered in class up to that date.

Final Exam:

A comprehensive final exam will be administered during final exam week. The content will include all the materials discussed in class and assigned readings and supplemental materials.

ATI Real Life Clinical Scenarios:

Real Life Clinical Reasoning Scenarios give students opportunities to apply clinical reasoning skills to lifelike clinical situations in a “choose your own adventure” format through video, rich media, and branching logic. There will be two required scenarios (COPD and GI) to complete. Please see calendar for completion dates.

Grading scale: (you must obtain a C or greater for a passing grade in nursing courses; a C- is not a passing grade in nursing courses)

94 – 100	A
90 – 93	A-
87 – 89	B+
84-86	B
80-83	B-
77-79	C+
75-76	C
70-74	C-
67-69	D+
64-66	D
Below 64	F

REQUIRED TEXTBOOK:

Morton, P. G., & Fontaine, D. K. (2017). *Critical care nursing: A holistic approach* (11th Ed.). Philadelphia, PA: Wolters Kluwer Health.

LaCharity LA., Kumagai CK., Bartz B. (2019). *Prioritization, delegation, and assignment. Practice Exercises for the NCLEX Examination*. 4th edition. St. Louis, Missouri: Elsevier.

ATTENDANCE & CLASS PARTICIPATION:

Each student’s participation is an important part of the learning process and the success of this course. Each of you has an important point of view and everyone learns from each other! Students should enter into all discussions since every view is important to the learning of the group as a whole. Collaborative educational activities are designed to promote an environment that supports a community of learning. Class attendance, and of course, careful reading of assignments (preparedness) and participation are essential for your own comprehension of the material.

Students are expected to attend all classes. If an absence is unavoidable due to extenuating circumstances, the student is responsible to notify the faculty prior to the missed class. If a student is absent because of official Xavier activities, the student shall present the schedule to the faculty at the beginning of the semester.

For further information regarding attendance see the Nursing Undergraduate Student Handbook, “School of Nursing Attendance Policy.”

CLASSROOM PROTOCOL:

It is important that everyone have the opportunity to share their thoughts and points of view in a positive and respectful environment. For everyone to benefit, it is necessary to be present with minimal distractions. Therefore, cell phones are to be silenced during class and respectful attention should be shown to the presenter, be it faculty or peer. Working on other class assignments, surfing the internet, or sleeping in class is behaviour not considered professional and will be addressed. Please read your School of Nursing Handbook to review professional classroom behaviour.

TEST TAKING AND REVIEW:

Students who miss a test due to excused absence are expected to make up the test within seven calendar days of their return to class, unless there are extenuating circumstances. The test may be given in an alternative format such as essay or short answer.

There will be minimal test review in the classroom. Those wishing to review their test must make an appointment and review the test within two weeks of taking the test. There will be no review of the final exam.

OUT OF CLASSROOM ASSISTANCE:

Office of Academic Support:

The Office of Academic Support offers tutoring, Supplemental Instruction (SI), and study groups. For information about these services, contact Stephanie Daniels at 745-3214 or danielss3@xavier.edu. The OAS is located on the fifth floor of the Conaton Learning Commons, Suite 514.

Students with Disabilities:

Any student who feels he/she may need an accommodation based on the impact of a documented disability should notify the course instructor and contact Cassandra Jones in the Office of Disability Services at 745-3280 or e-mail jonesc20@xavier.edu to coordinate reasonable accommodations.

ACADEMIC HONESTY POLICY: (from Xavier policy)

Refer to the Xavier University Catalogue and the School of Nursing Undergraduate Student Handbook.

The pursuit of truth demands high standards of personal honesty. Academic and professional life requires a trust based upon integrity of the written and spoken word. Accordingly, violations of certain standards of ethical behaviour will not be tolerated at Xavier University. These include theft, cheating, plagiarism, unauthorized assistance in assignments and tests, unauthorized copying of computer software, the falsification of results and material submitted in reports or admission and registration documents, and the falsification of any academic record including letters of recommendation. **All work submitted for academic evaluation must be the student's own.** Certainly, the activities of other scholars will influence all students. However, the direct and unattributed use of another's efforts is prohibited, as is the use of any work untruthfully submitted as one's own. Penalties for violations of this policy may include one or more of the following: a zero for that assignment or test, an "F" in the course, and expulsion from the University. The dean of the college in which the student is enrolled is to be informed in writing of all such incidents, though the teacher has full authority to assign the grade for the assignment, test, or course. If disputes of interpretation arise, the student, faculty member, and chair should attempt to resolve the difficulty. If this is unsatisfactory, the dean will rule in the matter. As a final appeal, the academic vice president will call a committee of tenured faculty for the purpose of making a final determination.

In addition to The Academic Honesty Policy of Xavier University, the American Nurses' Association's Code of Ethics includes provisions which hold nurses accountable for demonstrating integrity, knowledge development and competency to promote personal and professional growth. Students are expected to work toward meeting these standards throughout their coursework.

If you have any question as to whether or not you are appropriately citing a reference or are unclear as to what plagiarism encompasses, please meet and discuss with your faculty member.

SOCIAL MEDIA:

Social media and the internet provide an important medium for sharing information and offers easily accessible methods for mass communication. Nursing students must be aware of the risks and consequences associated with social networking. On-line social networking (e.g., Face book, MySpace, Twitter, blogs, etc.) are open, publicly accessible sites. Unprofessional or unbecoming online behaviour undermines not only the nursing student’s reputation, but may also have negative implications for Xavier University, and the profession of nursing. Certain violations in the use of social media may expose the offender to criminal and civil liability. Refer to your student handbook for more information and to view the Social Media Policy, go to the following link: <http://www.xavier.edu/nursing/current-students.cfm>.

FACULTY:

Collin Dadosky has a BSN from the University of Cincinnati, MSN from Xavier University, and is a third-year PhD Student at Saint Louis University. He teaches courses in the undergraduate and graduate nursing programs in pathophysiology, pharmacology, advanced/complex nursing, and nursing research. Prior to teaching at Xavier he worked as a nurse on a telemetry/stepdown unit and in a hospital-based clinical research department where he managed research studies on cardiovascular, endocrine, and pulmonary issues. He is a member of the Omicron Omicron chapter of Sigma Theta Tau.

CAVEAT:

The schedule and procedure in this course are subject to change in the event of extenuating circumstances or student needs.

TOPICAL OUTLINE/CALENDAR

Date	Topic	Assignments/Readings
August 20th	<p><u>Care of the Patient with Complex Disturbances:</u> <u>Introduction</u></p>	<p>Read Morton & Fontaine (11th Ed.) Pp. 2-3, 8-10, 12-31, 37-42</p> <p>See Canvas for additional readings/resources</p> <p>Bring Textbook to class for case study</p>
August 22nd	<p><u>Care of the Patient with Complex Cardiovascular Disturbances:</u> EKG and Dysrhythmias: Interpretation and Management</p> <p>Medications: -Antidysrhythmic Medications -Anticoagulants used for dysrhythmias</p>	<p>Review as needed: Morton & Fontaine (11th Ed.) pp. 173-199</p> <p>Read: Morton & Fontaine (11 Ed.) pp. 199-202, 213-236 (stop at “hemodynamic monitoring”), pp. 261-266</p> <p>See Canvas for additional readings/resources</p>

August 27th	EKG and Dysrhythmias: Interpretation and Management /Pharm RRT, Code Teams, Communication Medications: -Antidysrhythmic medications (continued)	Read: Morton & Fontaine (11 th Ed.) pp. 149-160 Begin 304-336 (pacemakers— depending on time) See Canvas for supplemental readings/resources
August 29th	EKG and Dysrhythmia/Pacemakers continued	Submit EKG packet prior to class Read: Morton & Fontaine (11 th Ed.) pp. 304-336 (pacemakers) Read: Morton & Fontaine (11 th Ed.) pp. 184-198; 203-212 (Cardiac Assessment and Diagnostics) See Canvas for additional readings/resources
September 3rd	Labor Day – No School	Complete Hemodynamic Prep: Bring to class on 9/5
September 5th	Hemodynamic Monitoring	Read: Morton & Fontaine (11 Ed.) 236-260 Hemodynamic monitoring See Canvas for additional readings/resources
September 10 th	Heart Failure LVADS, Balloon pump Medications: -ACEs/ARBs -Beta-blockers -Aldosterone Antagonists -Beta-Blockers: Carvedilol, metoprolol succinate -Diuretics: Loop, thiazide -Vasodilators -Inotropes	Read: Morton & Fontaine (11 Ed.) 350-370 HF 291-304 Cardiac support devices See Canvas for additional readings/resources
September 12th	Aortic Aneurysm Hypertensive Crisis Myocardial Infarction Medications: -antiplatelet medications -fibrinolytics	Read: Morton & Fontaine (11 Ed.) 346-348 AA 348-349 HTN crisis 377-391 MI 269-286 PCI See Canvas for additional readings/resources
September 17th	Valvular Heart Disease CABG/Carotid Endarterectomy Medications: -Anticoagulants -neuromuscular blockade	Read: Morton & Fontaine (11 Ed.) 393-414 Cardiac surgery 287-290 percutaneous valvular interventions Quiz 1 due prior to class See Canvas for additional readings/resources

September 19 th	<p><u>Care of the Patient with Complex Pulmonary Disturbances:</u> ABG review Mechanical Ventilation</p> <p>Medications: -sedatives</p>	<p>Read: Morton & Fontaine (11th Ed.) 441-445 ABG 455-458 Artificial airways 466-487 Ventilatory support Review as needed 449-454, 430-441, 445-448 See Canvas for additional readings/resources</p> <p>Complete Vent Prep Prior to Class</p>
September 24 th	<u>EXAM 1</u>	
September 26 th	<p>ARF/ARDS Chest Tubes Pneumothorax PE</p>	<p>Read: Morton & Fontaine (11th Ed.) 511-514 ARF 519-532 ARDS 458-463 Chest tubes 494-496 Pneumothorax 496-499 Pulmonary embolism</p> <p>See Canvas for additional readings/resources</p>
October 1 st	<p><u>Care of the Patient with Complex Multi System Disturbances</u> Shock States Multiple Organ Dysfunction Syndrome (MODS) Systemic Inflammatory Response Syndrome (SIRS) Sepsis</p> <p>Medications: -anticoagulant medications</p>	<p>Read: Morton & Fontaine (11th Ed.) 1049-1070</p> <p>See Canvas for additional readings/resources</p>
October 3 rd	<p>Shock, MODS, SIRS, Sepsis (Continued) DIC</p> <p>Medications: -vasopressors -inotropes</p>	<p>Read: Morton & Fontaine (11th Ed.) 992-996</p> <p>See Canvas for additional readings/resources</p>
October 8 th	Transition to home/Elderly	<p>Read: Morton & Fontaine (11th Ed.) 326-335, 117-137</p> <p>Quiz 2 due prior to class</p> <p>See Canvas for additional readings/resources</p>
October 10 th	<u>Exam #2</u>	
October 15 th	<p>Burns</p> <p>Medications: -topical burn agents -pain medications</p>	<p>Read: Morton & Fontaine (11th Ed.) 1026-1047</p> <p>See Canvas for additional readings/resources</p>

October 17th	<p><u>Care of the Patient with Complex GI Disturbances</u> Acute GI Bleed Blood Transfusions TRALI/TACO</p> <p>Medications: -Miscellaneous: octreotide and vasopressin -NSAIDS -PPI/H2 Receptor antagonists</p>	<p>Read: Morton & Fontaine (11th Ed.) 798-806 777-780 for relevant GI Bleed studies Read: Morton & Fontaine (11th Ed.) 985-986, 990</p> <p>See Canvas for supplemental readings/resources</p> <p>See Canvas for additional readings/resources</p>
October 22nd	<p>Complications of Liver Failure Pancreatitis</p> <p>Medications: -antibiotics for hepatic encephalopathy -drugs to reduce ammonia levels -pain medications</p>	<p>Read: Morton & Fontaine (11th Ed.) 824-831, 1100-1101, 812-817</p> <p>See Canvas for additional readings/resources</p>
October 24th	<p><u>Care of the Patient with Complex Endocrine Disturbances:</u> Thyroid: Thyrotoxic Crisis and Myxedema coma Adrenal Dysfunction: Adrenal Crisis and Pheochromocytoma ADH: SIADH/DI</p> <p>Medications: -thyroid replacement and thyroid reducing agents -vasopressin and vasopressin antagonists -gluccorticoids and mineralocorticoids</p>	<p>Read: Morton & Fontaine (11th Ed.) 862-872</p> <p>See Canvas for additional readings/resources</p>
October 29th	<p>Diabetic Crisis</p> <p>Medications: -oral diabetic agents -insulin -meds for hypoglycemia</p>	<p>Read: Morton & Fontaine (11th Ed.) 872-890</p> <p>See Canvas for additional readings/resources</p>
October 31st	<p><u>Care of the Patient with Complex Renal and Fluid/Electrolyte Disturbances</u> Electrolyte Imbalances (Limited in class) Acute/Chronic Kidney Injury Renal Replacement Therapy</p> <p>Medications: -electrolyte replacements -phosphorus binders -vitamin D supplements -erythropoietin</p>	<p>Read: Morton & Fontaine (11th Ed.) 560-606</p> <p>Quiz 3 due prior to class</p> <p>See Canvas for additional readings/resources</p>
November 5th	<u>EXAM #3</u>	

November 7th	<p><u>Care of the Patients with Complex Hematologic and Immunological Disturbances</u> Organ Transplant Stem Cell Transplant</p> <p>Medication classes covered: -antirejection medications -biologics</p>	<p>Read: Morton & Fontaine (11th Ed.) 917-946</p> <p>See Canvas for additional readings/resources</p>
November 12th	<p>Oncological Emergencies</p> <p>Medication classes covered: -chemotherapy -medications to supplement chemotherapy</p>	<p>Read: Morton & Fontaine (11th Ed.) 962-980</p> <p>See Canvas for additional readings/resources</p>
November 14th	<p><u>Care of the Patients with Complex Neurologic Disturbances:</u> ICP/ICP monitoring</p>	<p>Read: Morton & Fontaine (11th Ed.) 661-674</p>
November 19th	<p>Acute Stroke Traumatic Brain Injury Concussion/ Health Promoting Behaviours</p> <p>Medications classes covered: -thrombolytic therapy -seizure medications</p>	<p>Read: Morton & Fontaine (11th Ed.) 690-700 711-727</p> <p>See Canvas for additional readings/resources</p>
November 21st	Thanksgiving Holiday – No Class	
November 26 th	ATI Critical Scenarios No Class	Complete COPD Real Life Scenario
November 28 th	ATI Critical Scenarios No Class	Complete GI Real Life Scenario
December 3rd	Spinal Cord Injury	<p>Read: Morton & Fontaine (11th Ed.) 728-749</p> <p>See Canvas for additional readings/resources</p>
December 5th	<p>Palliative Care and End of life issues</p> <p>Review for Final</p>	<p>Read: Morton & Fontaine (11th Ed.) 85-88 48, 59-77</p> <p>Quiz 4 due prior to class See Canvas for additional readings/resources</p>
December 10-14.	FINAL EXAM: Monday Dec 10 8-10 AM	