

GANNON UNIVERSITY
MOROSKY COLLEGE OF HEALTH PROFESSIONS AND SCIENCES
VILLA MARIA SCHOOL OF NURSING

COURSE #: GNURS630-AA
COURSE TITLE: Foundations of Nursing Anesthesia I
PREREQUISITES: Graduate Standing
INSTRUCTOR: Krista Yoder, CRNA, MSN
CREDITS: 4
OFFERED: Spring Semester

COURSE DESCRIPTION:

This course is an introduction to the art and science of anesthesia. It discusses basic concepts of anesthesia and introduces the student to techniques and procedures of anesthesia. An in-depth discussion of legal aspects is included. Didactic principles are reinforced in a structured laboratory setting.

The outcomes in this course are in direct accord with the philosophy of the Department of Nursing and the mission of Gannon University. Graduate level courses build on the premise of a strong liberal arts base. Program outcomes assess performance with an understanding that knowledge and value outcomes are inherent in these performance outcomes.

COURSE OBJECTIVES:

By the end of this course the student:

1. Discusses basic concepts of anesthesia management.
2. Describes anesthetic techniques for patients undergoing anesthesia.
3. Describes anesthetic complications that may occur and appropriates methods of treatment.
4. Discusses appropriate techniques of patient positioning with consideration of nerve damage and patient safety.
5. Identifies basic anesthesia monitors and standards of care for their use with the anesthetized patient.
6. Identifies normal and abnormal fluid and electrolyte parameters.
7. Develops intraoperative fluids plans for surgical patients, taking into consideration NPO status, estimated blood loss, allowable blood loss, maintenance requirements, and third space loss.
8. Discusses Universal Precautions and basic knowledge of infectious disease transmission.
9. Develops basic airway skills to include placement of the oral or nasal airway, laryngoscope, oral endotracheal tube, and anesthetic mask. Establishes successful ventilation skills with the bag-mask, or bag-endotracheal tube.
10. Performs basic preoperative patient assessment.

METHODS OF INSTRUCTION:

Lecture, faculty-student discussion, oral presentation, audiovisuals, role playing, required readings and a project.

METHODS OF EVALUATION:

50% Quizzes / class participation
50% Final exam

GRADING SYSTEM:

95 – 100	A+
90 – 94	A
85 – 89	B+
80 – 84	B
	Failure less than a B

TESTING POLICY:

1. Each student is expected to be present and on time for quizzes and examinations.
2. If for some extenuating reason or situation the student is unable to take the quiz or examination they must notify the instructor A.S.A.P. of the absence (contact the school office ext. 2938 or ext. 2080)
3. If applicable the quiz or examination must be made up and taken the day the student returns, at a time designated by the instructor.
4. If the quiz or exam is not made up within the allotted time, the student will receive a grade of “0” for that quiz or exam.
5. No one will be allowed to leave the quiz or exam once it has begun. The student may leave once their examination has been completed and turned in.

TEXTS:

Stoelting, R., and Miller, R., (2006) Basics of Anesthesia, 5th Ed., Churchill Livingstone
Nagelhout, J. and Zaglaniczny, K. (2001) Nurse Anesthesia, 3rd Ed., W.B. Saunders Co.

TOPICAL OUTLINE

	<u>Instructor</u>	<u>Readings</u>
Session 1, 2 &3		
14		
Introduction to Anesthesia		Stoelting, Chp. 1, 2, 13,
Practice	Yoder	Nagelhout, Chp. 1, 2, & 17
Session 4		
Monitoring	Yoder	Stoelting, Chp. 20 Nagelhout, Chp. 16
Session 5		
Positioning	Yoder	Stoelting, Chp. 19 Nagelhout, Chp. 19
Session 6		
Complications	Yoder	
Session 7		
Pharmacology Overview	Yoder	Stoelting, Chp. 5 Nagelhout, Chp. 4, 5, 6

Session 8	Equipment	Yoder Guest Speaker	Stoelting, Chp. 15 Nagelhout, Chp. 15
Session 9	Fluid and Electrolyte	Yoder	Stoelting, Chp. 21, 23, 24 Nagelhout, Chp. 18
Session 10	Regional Management	Yoder	Stoelting, Chp. 13, 14 Nagelhout, Chp. 42
Session 11	Airway Management	Persinger	Stoelting, Chp. 16 Nagelhout, Chp. 20
Session 12	Airway Management	Yoder Persinger	Stoelting, Chp 16
Session 13	FINAL		

SIMULATOR PRACTICE

On clinical observation days students will be assigned to the Simulator Skill Lab. Each student will be given the opportunity to practice an induction on the Sim man simulator.

Week 1	1/8 Introduction	Week 8	3/5 Intubation
Week 2	1/15 Machine Check	Week 9	3/12 Intubation
Week 3	1/22 Airway Management	Week 10	3/19 Fiberoptic Intubation
Week 4	1/29 Airway Management	Week 11	3/26 Practice
Week 5	2/5 Airway Management	Week 12	4/2 Practice
Week 6	2/12 LMA (Tape) (Practice)	Week 13	4/16 Practice
Week 7	2/19 Intubation	Week 14	4/23 Practice