

NURS 8901 - Anatomy, Physiology and Pathophysiology for Nurse Anesthetists 1

Fall 2026 Syllabus, Section 01, CRN 42291,

Credit hours: 3

Instructor

Brian Sapola

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Public Instructor Information

Instructor Title: PT Faculty

Professional Qualifications:

BS, Integrated Life Sciences, Kent State University, 1998

MA, Biology, Kent State University, 2013

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Course Description

8901. Anatomy, Physiology and Pathophysiology for Nurse Anesthetists 1. An advanced study of the structure and function of the human body, with an emphasis on the neural, muscular and endocrine systems and pathophysiological conditions involving those systems. Prereq.: Acceptance and Enrollment in the DNP Nurse Anesthesia Program. 3 s.h.

Course Readings

Group	Title	Author	ISBN
Required	Guyton and Hall Textbook of Medical Physiology, 15th ed.		

Guyton and Hall Textbook of Medical Physiology, 15th ed.

Hardcover ISBN: 978-0-443-11101-3

VitalSource eBook ISBN: 978-0-443-11351-2

Guyton & Hall Physiology Review, 5th ed.

Paperback ISBN: 978-0-443-11103-7

VitalSource eBook ISBN: 978-0-443-11359-8

The course readings are subject to change in the event of extenuating circumstances, research developments, current events, and/or to ensure better learning.

Schedule of Topics and Assignments

Day	Date	Reading(s)	Proposed Topic	Due/To Prepare for Class
Wed	8/26	1,2,3	Cellular Physiology	
Wed	9/2	4,5,6	Membrane, Nerve, & Muscle Physiology	
Wed	9/9	7,8	Muscle Physiology	
Wed	9/16		Units I, II Completion; Review; Start Unit IX	
Wed	9/23	46,47	Nervous, Sensory & Pain Physiology	
Wed	9/30	48,49	Nervous, Sensory & Pain Physiology	
Wed	10/7	50-54	Special Senses	
Wed	10/14		Units IX, X Completion; Review; Start Unit XI	
Wed	10/21	55-58	PNS/CNS Physiology	

Wed	10/28	59-62	CNS Physiology
Wed	11/4		Unit XI Completion; Review; Start Unit XIV
Wed	11/11		UNIVERSITY CLOSED - NO CLASS
Wed	11/18	75-80	Endocrine: Molecular, Hypothalamic, Pituitary; Thyroid, Adrenal, Pancreas, Ca ²⁺
Wed	11/25		NO CLASS - Thanksgiving Academic Break
Wed	12/2		Unit XIV Completion; Review
Wed	12/9		Final Exams

The course schedule, policies, procedures, and assignments in this course are subject to change in the event of extenuating circumstances, by mutual agreement, and/or to ensure better learning.