

NURS 6918 - Advanced Diagnostics and Technologies

Fall 2026 Syllabus, Section A06, CRN 43294,

Credit hours: 3

Instructor

Cynthia Shields

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Public Instructor Information

Instructor Title: Cynthia Shields, DNP, APRN-CNP

Instructor Professional Qualifications:

DNP, Nursing, Case Western University. 2016

Post master's Certificate, Acute Care NP, Kent, State University. 2012

Masters, Clinical Nurse Specialist, Idaho State University. 1993

Bachelor's, Nursing, Bowling Green State University. 1984

Instructor Office Location: 3303 Cushwa Hall

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Vincent Mikula, MSN, APRN-CNP

Master's, Nursing, Youngstown State University, 2019

Bachelor's, Nursing, Ohio University, 2013

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Course Description

6918. Advanced Diagnostics and Technologies. Theory and technical skills essential to the advanced practice environment. Focuses on select technologies, informatics, telehealth, common procedures, and diagnostic tests encountered by advanced practice nurses in the clinical/practice setting. 3 s.h.

Course Readings

Group	Title	Author	ISBN
Required	Ferri's Best Test	1. Ferri, Fred F	
Required	Procedures for the primary care provider (FNP Students Only)	Edmunds, MW	

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

Week of	Reading(s)	Proposed Topic	Due/To Prepare for Class
8/24	Cardiac, Basic Dysrhythmias Videos	Cardiac, Basic Dysrhythmias	Case Study Wednesday 8/26/26 Quiz due 8/30/26



8/31	Cardiac, Basic Dysrhythmias Videos	Cardiac Test & 12 Lead EKG	Case Study Wednesday 9/2/26 Quiz 9/6/26
9/7	Pulmonary, PFT, Pleural Effusion Videos	Pulmonary, PFT, Pleural Effusion	Case Study Wednesday 9/9/26 Quiz 9/13/26
9/14	Addisons testing, Paracentesis, Suturing Videos	Addisons testing, Paracentesis, Suturing	Case Study Wednesday 9/16/26 Quiz 9/20/26
9/21	Bone Density Test Chest Xray, Intro to Radiology Videos	Bone Density Test Chest Xray, Intro to Radiology	Case Study Wednesday 9/23/26 Quiz 9/27/26
9/28	AGACNP. ABGS, NIPPV, Bronchoscopy, V/Q scan, CT angio, Chest tube insertion & removal. FNP: Derm procedures, Knee aspiration & Injection, Basic Splinting, Soft cast application, ABI videos	AGACNP. ABGS, NIPPV, Bronchoscopy, V/Q scan, CT angio, Chest tube insertion & removal. FNP: Derm procedures, Knee aspiration & Injection, Basic Splinting, Soft cast application, ABI	Case Study Wednesday 9/30/26 AGACNP & FNP Quiz 10/4/26
10/5	AGACNP. PET Scan & Brain imaging PPTs/ Videos FNP. Eyes, Ears, Nose, Throat, Women's Health PPTs/Videos	AGACNP. PET Scan & Brain imaging FNP. Eyes, Ears, Nose, Throat, Women's Health	AG: Quiz 7, Due Saturday at Midnight FNP: Quiz 7, Due Saturday at Midnight

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.