

NURS 6918 - Advanced Diagnostics and Technologies

Fall 2026 Syllabus, Section A04, CRN 44246,

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 PPTs	Cardiac, Basic Dysrhythmias	Discussion 1 Case Study, Due Wednesday by Midnight Photo Upload, Due Sunday by Midnight Quiz 1, Due Sunday by Midnight
8/31	Cardiac Test & 12 Lead EKG PPTs	Cardiac Test & 12 Lead EKG	Discussion 2 Case Study, Due by Wednesday at Midnight Quiz 2, Due Sunday at Midnight
9/7	Pulmonary, PFT, Pleural Effusion PPTs	Pulmonary, PFT, Pleural Effusion	Discussion 3 Case Study, Due Wednesday at Midnight Quiz 3, Due Sunday at Midnight
9/14	Addisons testing, Paracentesis, Suturing PPTs	Addisons testing, Paracentesis, Suturing	Discussion 4 Case Study, Due Wednesday at Midnight Quiz 4, Due Sunday at Midnight
9/21	Bone Density Test Chest Xray, Intro to Radiology PPTs	Bone Density Test Chest Xray, Intro to Radiology	Discussion 5 Case Study, Due Wednesday at Midnight Quiz 5, Due Sunday at Midnight
9/28	AGACNP. ABGS, NIPPV, Bronchoscopy, V/Q scan, CT angio, Chest tube insertion & removal PPTs/Videos FNP. Derm procedures, Knee aspiration & Injection, Basic Splinting, Soft cast application, ABI PPTs/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	AG: Advanced Pulmonary Discussion, Due Wednesday at Midnight FNP: Ankle Brachial Index Discussion, Due Wednesday at Midnight AG: Quiz 6, Due Sunday at Midnight FNP: Quiz 6, Due Sunday at Midnight
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.