

NURS 6918 - Advanced Diagnostics and Technologies

Summer 2026 Syllabus, Section A05, CRN 30898,

Credit hours: 3

Instructor

Cynthia Shields

Professional Qualifications:

DNP, Nursing, Case Western University

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

Masters, Clinical Nurse Specialist, Idaho State University

Bachelor's, Nursing, Bowling Green State University

Professor, AGAC Program Coordinator

Email: cmshields@ysu.edu

Office: Cushwa 3313

Office Phone: 330-941-1345

Preferred Contact Method: email

Communication Expectations:

To ensure timely communication and support in this online course, the instructor will respond to student inquiries within 24–48 hours of receipt, regardless of the day of the week. This includes emails and blackboard course messages. If a question requires additional time for a detailed response, the instructor will acknowledge receipt and provide an estimated timeline for a full reply. Assignments will be graded and feedback provided within 72 hours of the assignment/discussion deadline unless otherwise noted. Students will be notified by the instructor if delays occur.

How to Refer to me:

Dr. Shields



Vincent Mikula

Professional Qualifications:

Master's, Nursing, Youngstown State University

Bachelor's, Nursing, Ohio University

Lecturer, Graduate Nursing Program Director

Email: vmikula@ysu.edu

Office: Cushwa 3315

Office Phone: 330-941-2639

Preferred Contact Method: email

Communication Expectations:

To ensure timely communication and support in this online course, the instructor will respond to student inquiries within 24–48 hours of receipt, regardless of the day of the week. This includes emails and blackboard course messages. If a question requires additional time for a detailed response, the instructor will acknowledge receipt and provide an estimated timeline for a full reply. Assignments will be graded and feedback provided within 72 hours of the assignment/discussion deadline unless otherwise noted. Students will be notified by the instructor if delays occur.

How to Refer to me:

Vince



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
5/11	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
5/18	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
5/25	Pulmonary, PFT, Pleural Effusion PPTs	Pulmonary, PFT, Pleural Effusion	Discussion 3 Case Study, Due Wednesday at Midnight Quiz 3, Due Sunday at Midnight
6/1	Addisons testing, Paracentesis, Suturing PPTs	Addisons testing, Paracentesis, Suturing	Discussion 4 Case Study, Due Wednesday at Midnight Quiz 4, Due Sunday at Midnight
6/8	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
6/15	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
6/22	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.