

# Advanced Pharmacotherapeutics

## Online Continuing Education for Advanced Practice Nurses

### WVU School of Nursing

#### Course Overview

This online course is designed to review, expand, and update the practitioner's knowledge of pharmacology and pharmacotherapeutics. The approach is to teach at the conceptual level by incorporating overviews of underlying disease processes and reviews of pharmacological principles into discussions of available therapeutic agents and the rationale for their use. Typical didactic lectures are pre-recorded and archived in segments via webcast technology. This 12-module program has been approved by West Virginia University School of Nursing, Charleston Division for a total 60 contact hours for the entire course or 3.5 - 7 contact hour individual modules. WVUSON – Charleston Division is an approved provider of continuing education for Registered Professional Nurses by the West Virginia Board of Examiners for Registered Professional Nurses. WVBRN registration number: WV 97-0187-RN.

#### Course Objectives

Upon completion of any module of this course, the student will be able to:

1. Describe the pathophysiology of certain disease states and the rationale for the use of selected pharmacotherapy interventions.
2. Explain the pharmacology (mechanism of action, effects, pharmacokinetics, side effects, etc.) of the drugs discussed for each disease.
3. Discuss drugs of choice and alternatives for a given patient and disease.
4. Anticipate potential side effects, recognize adverse reactions, and discuss their management.
5. Communicate the appropriate patient education information regarding drug therapy for a given disease.

#### Course Requirements

This course may be taken as a continuing education course in its entirety or in 4.5-hour modules. Each module meets the pharmacology continuing education requirements for limited prescriptive authority as specified by the West Virginia Board of Registered Professional Nurses. To qualify for continuing education credits you must follow the following steps:

1. Submit completed registration form, which you will find at the end of this document, with payment of \$100 per module or \$900 for the entire, 11-module course. Payment for module 12 is \$20. **(Faculty, please see attached the registration form for reduced fees.)**
2. Watch all webcast lecture segments included in the module(s) you have chosen.
3. Complete the corresponding module quiz and course evaluation.

#### Faculty

Chris Terpening, PhD, PharmD, Associate Professor, School of Pharmacy

Pamela Deiriggi, PhD, APRN, PNP-BC Associate Professor, School of Nursing

Susan McCrone, PhD, RN, Professor, School of Nursing

Alvita Nathaniel, PhD, APRN, FNP-BC, Associate Professor, School of Nursing

Douglas Slain, PharmD, Associate Professor, School of Pharmacy

Crystal Sheaves, MSN, FNP-BC, Senior Lecturer, School of Nursing

Jennifer Mallow, PhD-APRN, FNP-BC, Assistant Professor, School of Nursing

## Course Content

Module	Lectures	Faculty
1	Pharmacologic Principles, Part 1	Terpening
	Pharmacologic Principles, Part 2	Terpening
	Pharmacologic Principles, Part 3	Terpening
2	Wellness	Mallow
	Nutritional Supplements, Part 1	Sheaves
	Nutritional Supplements, Part 2	Sheaves
3	Antimicrobials, Part 1	Slain
	Antimicrobials, Part 2	Slain
4	Neuro (Alzheimer's, Parkinson's and Seizures)	Terpening
	Treatment of Migraine	Terpening
	Psychopharmacology, Part 1 (general principles and mood disorders)	McCrone
	Psychopharmacology, Part 2 (anxiety disorders)	McCrone
	Psychopharmacology, Part 3 (psychotic disorders)	McCrone
5	Cardiovascular (Anti-anginal/anti-arrhythmic)	Terpening
	Anti-hyperlipidemics	Terpening
	Anti-hypertensives, part 1	Terpening
	Anti-hypertensives, part 2	Terpening
6	Respiratory Pharmacology, Part 1 (Asthma and COPD)	Terpening
	Respiratory Pharmacology, Part 2 (Asthma and COPD)	Terpening
	Allergic Rhinitis	Terpening
	Cold and Cough Treatments	Terpening
7	Type 1 Diabetes	Terpening
	Type 2 Diabetes, Part 1	Terpening
	Type 2 Diabetes, Part 2	Terpening
	Thyroid disorders	Terpening
	Glucocorticoids	Terpening
8	Management of Pain, Part 1	Terpening
	Management of Pain, Part 2	Terpening
	Upper GI Therapeutics	Terpening
	Lower GI Therapeutics	Terpening
9	Contraceptives	Terpening
	Drugs Used to Treat Menopause	Terpening
	Osteoporosis	Terpening
	GU Pharmacology, Part 1	Nathaniel
	GU Pharmacology, Part 2	Nathaniel
10	Skin, Otic and Ophthalmic Topicals, Part 1	Nathaniel
	Skin, Otic and Ophthalmic Topicals, Part 2	Nathaniel
11	Immunizations	Deiriggi
12	Drug Abuse: Epidemiology	Nathaniel
	Drug Abuse: WV State and Federal Law	Nathaniel
	Drug Abuse: Professional Ethics	Nathaniel
	Drug Abuse: Drug Seeking Behaviors	Nathaniel

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## Registration Form

To enroll, simply fill out the registration form below, include fees or indicate that you wish to take a free module, and return the form with applicable payment to the address indicated on the bottom.

Name \_\_\_\_\_

Address \_\_\_\_\_

Phone \_\_\_\_\_

email \_\_\_\_\_

Please check the module(s) you would like to take:

Select		Contact Hours	Fee
<input type="checkbox"/>	Module 1: Pharmacologic Principles	4.5	\$100
<input type="checkbox"/>	Module 2: Wellness, Nutrition Aids, Herbal	4.5	\$100
<input type="checkbox"/>	Module 3: Antimicrobials	4.5	\$100
<input type="checkbox"/>	Module 4: Neurology & Mental Health	7	\$100
<input type="checkbox"/>	Module 5: Cardiovascular	6.8	\$100
<input type="checkbox"/>	Module 6: Respiratory & ENT	6	\$100
<input type="checkbox"/>	Module 7: Endocrine	5.5	\$100
<input type="checkbox"/>	Module 8: Musculoskeletal and GI	6.3	\$100
<input type="checkbox"/>	Module 9: Reproductive & GU	4.5	\$100
<input type="checkbox"/>	Module 10: Skin & Topicals	3.5	\$100
<input type="checkbox"/>	Module 11: Immunizations	4	\$100
<input type="checkbox"/>	Module 12: Drug Abuse	1.5	\$20
<input type="checkbox"/>	Entire Course	59	\$900

Please detach this page and send with your payment to: Anna Nicoloudakis  
WVU School of Nursing  
3110 MacCorkle Ave. SE  
Charleston, WV 25304

For other questions about the course contact:  
Alvita Nathaniel, PhD, FNP-BC [anathaniel@hsc.wvu.edu](mailto:anathaniel@hsc.wvu.edu)