

**General Medicine I Integrated Pharmaceutical Care and Science (ICARE)**  
**Shenandoah University**  
**Bernard J. Dunn School of Pharmacy**  
**REMIEDIATION COURSE SYLLABUS**

**681: General Medicine I Integrated Pharmaceutical Care and Science (ICARE)**

**COURSE DESCRIPTION:**

General Medicine I ICARE will present the students with the pathophysiology of common gastrointestinal, respiratory, and pain-associated disorders as well as the chemical, pharmacodynamic and pharmacokinetic properties of the drugs used to treat the disorders and the therapeutic management of patients. This course is 3 credit hours for Shenandoah University visiting students.

**COURSE FORMAT:**

The course consists of a series of lectures and case discussions to develop the students' skills to assess, evaluate and apply information in order to make better informed, rational, responsible and ethical therapeutic decisions. Four exams will be given during the course, which are equally weighted to determine the course grade for Shenandoah University visiting students. Question types will vary, and include patient cases to assess application of the material. Exam 4 will be cumulative. *Note: The number of exams may vary based on the academic year in which the course is offered.*

**COURSE OBJECTIVES:**

At the completion of this course, the student will be able to:

1. Recognize and describe the pathophysiology of gastrointestinal, respiratory, and pain-associated disorders.
2. Recognize and describe the pharmacology of different classes of medications used to treat gastrointestinal, respiratory, and pain-associated disorders.
3. Evaluate and select education and treatment options for gastrointestinal, respiratory, and pain-associated disorders.
4. Evaluate clinical outcomes of treatment and management plans for gastrointestinal, respiratory, and pain-associated disorders.
5. Apply an evidence-based approach to selective patient cases.

In addition to the global course objectives noted above, individual lecture objectives and outcomes will be provided prior to each lecture or lecture series.

**REQUIRED TEXTS AND MATERIALS:**

- DiPiro JT, Talbert RL, Yee GC, Matzke GR, Wells BG and Posey LM, editors. *Pharmacotherapy: A Pathophysiologic Approach*. McGraw-Hill. (most recent edition)

Note: Editions may vary depending on availability. Required readings may also be drawn from other references as indicated by the lecturers, but are not required if they are not provided. Exam questions on required readings will primarily come from the DiPiro text above. Course content may be subject to copyright.

**GRADING SCALE** (for students completing the course as a Shenandoah University visiting student)

A	90-100%
B	80-89%
C	70-79%
D	60-69%
F	< 60%

**TOPICS:**

- Smoking Cessation Therapeutics
- Viral and Allergic Rhinitis
- GERD/PUD Pharmacology & Therapeutics
- Diarrhea/Constipation/IBS Pharmacology & Therapeutics
- Respiratory Physiology & Mechanics
- Drug-Induced Pulmonary Disorders
- Structure Activity Relationships of Respiratory Therapy Drugs
- Asthma/COPD Pharmacology
- Asthma Therapeutics
- Asthma Cases
- Asthma Action Plans
- COPD Therapeutics
- COPD Cases
- Acne/Eczema/Tinea Infection Therapeutics
- Psoriasis Therapeutics
- Gout Therapeutics
- Pharmacology of NSAIDs
- Pharmacology of Opioids
- Acute and Chronic Pain Therapeutics
- Pain Cases
- Osteoarthritis Therapeutics and Cases

*Note: Topics may vary based on the academic year in which the course is offered.*