

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

**747: General Medicine II Integrated Pharmaceutical Care and Science (ICARE)**

**COURSE DESCRIPTION:**

General Medicine II ICARE will present the students with the pathophysiology of common gastrointestinal, nutrition and autoimmune 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 2 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. Three 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. *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, acute/chronic nutritional and autoimmune disorders.
2. Recognize and describe the pharmacology of different classes of medications used to treat gastrointestinal, acute/chronic nutritional and autoimmune disorders.
3. Evaluate and select education and treatment options for gastrointestinal, acute/chronic nutritional and autoimmune disorders.
4. Evaluate clinical outcomes of treatment and management plans for gastrointestinal, acute/chronic nutritional and autoimmune 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:**

- Chronic Liver Disease
- Pancreatitis
- Viral Hepatitis
- Drug-Induced Liver Toxicity
- Liver Disease Cases
- Pulmonary Hypertension
- Pulmonary Hypertension/Nutrition Cases
- Weight Loss Management/Bariatrics
- Inpatient Nutrition
- Pharmacology of Muscle Relaxants
- Pharmacology of Biologics and IBD, Multiple Sclerosis, Rheumatoid Arthritis Agents
- Pathophysiology/Treatment of IBD
- Multiple Sclerosis
- Rheumatoid Arthritis

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