

Principles of Drug Action II
PHRD 4027

I. Contact Information

Course Coordinators:

Girish Shah, Ph.D.

Phone: 318-342-1693

*Email: shah@ulm.edu

Website: <https://webservices.ulm.edu/facultyactivities/profile/shah>

300 Bienville Building

Office Hours: 3-5 PM Mon-Thu

Yong-Yu Liu, M.D., Ph.D.

Phone: 318-342-1709

*Email: yliu@ulm.edu

Website: _____

368 Bienville Building

Office Hours: 8-10 AM Mon-Fri

Course Instructors:

Paul Sylvester, Ph.D.

Phone: 318-342-1958

*sylvester@ulm.edu

Website: <https://webservices.ulm.edu/facultyactivities/profile/Sylvester>

344 Bienville Building

Office Hours: Office Hours: 11am-1pm Mon-Thu, 8-10 Fri

Keith Jackson, Ph.D.*

Phone: 318-342-1390

*Email: kjackson@ulm.edu

Website:

IV. Curricular Objectives and Outcomes

CAPE

Domain 1 – Foundational Knowledge

1.1. Learner (Learner) - Develop, integrate, and apply knowledge from the foundational sciences (i.e., pharmaceutical, social/behavioral/administrative, and clinical sciences) to evaluate the scientific literature, explain drug action, solve therapeutic problems, and advance population health and patient-centered care.

Domain 2 – Essentials for Practice and Care

2.1. Patient-centered care (Caregiver) - Provide patient-centered care as the medication expert (collect and interpret evidence, prioritize, formulate assessments and recommendations, implement, monitor and adjust plans, and document activities).

2.3. Health and wellness (Promoter) - Design prevention, intervention, and educational strategies for individuals and communities to manage chronic disease and improve health and wellness.

2.4. Population-based care (Provider) - Describe how population-based care influences patient-centered care and influences the development of practice guidelines and evidence-based best practices.

Domain 3 - Approach to Practice and Care

3.1. Problem Solving (Problem Solver) – Identify problems; explore and prioritize potential strategies; and design, implement, and evaluate a viable solution.

3.2. Educator (Educator) – Educate all audiences by determining the most effective and enduring ways to impart information and assess understanding.

3.3. Patient Advocacy (Advocate) - Assure that patients' best interests are represented.

3.5. Cultural sensitivity (Includer) - Recognize social determinants of health to diminish disparities and inequities in access to quality care.

3.6. Communication (Communicator) – Effectively communicate verbally and nonverbally when interacting with an individual, group, or organization.

Domain 4 – Personal and Professional Development

4.1. Self-awareness (Self-aware) – Examine and reflect on personal knowledge, skills, abilities, beliefs, biases, motivation, and emotions that could enhance or limit personal and professional growth.

4.4. Professionalism (Professional) - Exhibit behaviors and values that are consistent with the trust given to the profession by patients, other healthcare providers, and society.

ACPE APPENDIX 1

Biochemistry: Structure, properties, biological functions,

Pharmacoepidemiology: Cause-and-effect patterns of health and disease in large populations that advance safe

j. Students wishing to review their exams with the course coordinator or with a specific lecturer must do so *within 2 weeks* of when the test scores are posted.

k. Students wishing to challenge a question on the test must provide the course coordinator with a written statement that identifies which question(s) being challenged, why the student feels his or her answer(s) is/are correct and references from recent (published within the last 1-2 years) primary or tertiary literature to support the claim. Problems or issues with question(s) should be first directed, via e-mail, to the faculty member who presented the

e. Course Evaluation Policy:

f. Student Services:

i.

The course coordinators reserve the right to adjust the syllabus or schedule, in accordance with University and College policies and procedures.

X.

Course Schedule PHRD 4027 Principles of Drug Action II
Class will meet in Bienville B340, Tuesdays and Thursdays at 10:00-10:50 am

No.	Date	Day	Subject	Instructor
1.	Jan 16 th	Tuesday	Introduction to Receptors	Sylvester
2.	Jan 18 th	Thursday	Membrane Bound and Nuclear Receptors	Sylvester
3.	Jan 23 rd	Tuesday	Introduction to Signal Transduction	Sylvester
4.	Jan 25 th	Thursday	Receptor Signal Transduction (Metabotropic & Ionotropic Receptors)	Sylvester
5.	Jan 30 th	Tuesday	Receptor Signal Transduction (Metabotropic & Ionotropic Receptors)	Sylvester
6.	Feb 1 st	Thursday	Signal Transduction and Transcription Factors Gene Modulation	Sylvester
	February 6th	Tuesday	Exam #1 (1/16/24 through 2/1/24)	
7.	Feb 8 th	Thursday	Route of Administration and Absorption (intro/oral/topical.)	Liu
	February 13th	Tuesday	Mardi Gras (2/12- to 2/13; no class)	
8.	Feb 15 th	Thursday	Membrane Transporters and Absorption	Liu
9.	Feb 20 th	Tu		