

## COURSE TITLE: Pharmacy 5059: Selected Psychiatric and Substance Abuse Disorder Topics

### I. Contact Information

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Office Hours: M-W 2:00-3:00, T-Th 2-4, F 8-11

### II. Course Prerequisites/Corequisites

Credit or registration in PHRD 5014

### III. Course Description

This course will expand the pharmacy student's exposure to selected topics in behavioral health including pharmacotherapy of selected disorders. The course will also include guest speakers from the area that work with selected disorders.

### IV. Curricular Objectives and Outcomes

#### 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*.

##### Examples of Learning Objectives\*

1.1.1. Develop and demonstrate depth and breadth of knowledge in *pharmaceutical, social/behavioral/administrative, and clinical sciences*.

1.1.2. Articulate how knowledge in foundational sciences is integral to clinical reasoning; evaluation of future advances in medicine; supporting health and wellness initiatives; and delivery of contemporary pharmacy services.

1.1.3. Integrate knowledge from foundational sciences to explain how specific drugs or drug classes work and evaluate their potential value in individuals and populations.

1.1.4. Apply knowledge in foundational sciences to solve therapeutic problems and advance *patient-centered care*.

1.1.5. Critically analyze scientific literature related to drugs and disease to enhance clinical decision making.

1.1.6. Identify and critically analyze emerging theories, information, and technologies that may impact *patient-centered* and *population based 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).

##### Examples of Learning Objectives\*

2.1.1. Collect subjective and objective evidence related to patient, medications, allergies/adverse reactions, and disease, by performing patient assessment (including physical assessment) from chart/electronic health records, pharmacist records and patient/family interviews.

2.1.2. Interpret evidence and patient data.

2.1.3. Prioritize patient needs.

2.1.4. Formulate evidence based care plans, assessments, and recommendations.

2.1.5. Implement patient care plans.

2.1.6. Monitor the patient and adjust care plan as needed.

2.1.7. Document patient care related activities.

## **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.

### **Examples of Learning Objectives\***

- 3.1.1. Identify and define the primary problem.
- 3.1.2. Define goals and alternative goals.
- 3.1.3. Explore multiple solutions by organizing, prioritizing, and defending each possible solution.
- 3.1.4. Anticipate positive and negative outcomes by reviewing assumptions, inconsistencies, and unintended consequences.
- 3.1.5. Implement the most viable solution, including monitoring parameters, to measure intended and unintended consequences.
- 3.1.6. Reflect on the solution implemented and its effects to improve future performance.

## **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.

### **Examples of Learning Objectives\***

- 4.1.1. Use *metacognition* to regulate one's own thinking and learning.
- 4.1.2. Maintain motivation, attention, and interest (e.g., *habits of mind*) during learning and work-related activities.
- 4.1.3. Identify, create, implement, evaluate and modify plans for personal and professional development for the purpose of individual growth.
- 4.1.4. Approach tasks with a desire to learn.
- 4.1.5. Demonstrate persistence and flexibility in all situations; engaging in *help seeking* behavior when appropriate.
- 4.1.6. Strive for accuracy and precision by displaying a willingness to recognize, correct, and learn from errors.
- 4.1.7. Use *constructive coping strategies* to manage stress.
- 4.1.8. Seek personal, professional, or academic support to address personal limitations.
- 4.1.9. Display positive self-esteem and confidence when working with others.

Appendix 1 content areas for this course

Clinical Chemistry, Pharmacology, Ethics, Pharmacoeconomics, Patient Assessment and Pharmacotherapy.

### **V. Course Specific Objectives and Outcomes**

Students will demonstrate achievement of objectives by examination and participation in group projects/discussions.

### **VI. Course Topics**

Topics included in the course will be: psychopharmacology, alcohol dependence and abuse, drug dependence and abuse, personality disorders, insomnia, developmental disorders and introduction to psychiatric diagnosis.

### **VII. Instructional Methods and Activities**

Instructional methods will include: traditional lectures, in-class discussion of patient cases, small group discussion, case-based learning and group projects.

### **VIII. Evaluation and Grade Assignment**

Exams will be given in ExamSoft or another appropriate format as determined by the course coordinator.

There will be exercises (announced quizzes, pop quizzes, in-class assignments) for a total of 200 points and a 50 question final exam for the course which will encompass new material and will encompass old or comprehensive material as necessary.

Exam dates will be announced in class as well as by email through Moodle.

Exams may be multiple choice, fill in the blank, short-answer, case or scenario based discussion, essay, or any format deemed necessary by the lecturers and course coordinator.

Information acquired from previous lectures in the course or from other courses in the professional pharmacy curriculum may be needed in preparing for and answering exam questions.

Exams may cover material (readings or outside assignments) not covered in class.

Students wishing to review their exams with the course coordinator or with a specific lecturer must do so within 2 weeks of posting of exam scores.

Students wishing to challenge a question must provide the course coordinator with a written statement that identifies the question being challenged, why the student feels his/her answer is correct and appropriate references supporting the challenge. Concerns or challenges should be emailed to faculty member who developed the question with this communication forwarded to the course coordinator. Challenges or concerns must be addressed within 2 weeks of posting of grades.

Each student is expected to attend each exam. If a student cannot attend an exam due to a valid University excuse, the student must notify the course coordinator by email or phone as soon as possible. Failure to attend an exam without a valid University excuse will result in a score of 0 for that exam. Make-up exams can be of any format as chosen by the faculty members involved with the course coordinator. Make-up exams will be given at a time deemed appropriate by the course coordinator with input from the student and faculty members involved.

### Quizzes

Quizzes may be given during the semester. Quizzes may be based on material presented during class, reading assignments, or other assignments to be determined by the lecturer.

Points from unannounced quizzes will be added to the total points available for the course in determination of final grades.

### Semester points

Graded exercises	200 point
Final exam	<u>100 points</u>
TOTAL POINTS	300

### Grading Scale

The grading scale for the course will be a 10 point grading scale.

89.5-100%	A
79.5-89.4%	B
69.5-79.4%	C
59.5-69.4%	D
< 59.5	F

There will be no curving or adjustment of grades except in cases of incorrect or inappropriate individual questions.

**Exam dates:** Graded exercises TBA  
Final Exam TBA

## VIII. Class Policies and Procedures

At a minimum, all policies stated in the current *ULM Student Policy Manual & Organizational Handbook* should be followed (see <http://www.ulm.edu/studentpolicy/>). Additional class policies include:

**A. Textbook(s) and Materials:** No required text. Selected reading material may be provided and required for particular topics.

**B. Attendance Policy:**

Class attendance is regarded as an obligation as well as a privilege, and students are expected to know attendance regulations and to attend regularly and punctually at classes in which they are enrolled. Failure to do so: (1) may prevent access to the classroom during regularly scheduled times; (2) may jeopardize a student's scholastic standing; and (3) may lead to suspension from the college or University. Students shall submit excuses for all class absences to professor within three class days after returning to classes. Professors shall accept an official University excuse. With the following exceptions professors are to determine whether absences are excused or unexcused: 1) Absences arising from authorized trips away from the University or from special duties at the University shall be excused. 2) Absences arising from a student's confinement in a hospital or other in-patient facility or doctor's excused absences shall be excused. Students are responsible for verifying this information to the faculty. 3) Absences arising from a death in the immediate family shall be excused. The immediate family is defined as spouse, child, step-child, mother, father, sister, brother, grandmother, grandfather, step-mother, step-father, step-brother, step-sister, aunt, uncle, mother-in-law or father-in-law.

**C. Make-up Policy:**

Each student is expected to attend each exam at the date and time specified. If a student cannot attend an exam due to an excused absence [see Attendance section below for definition of an excused absence], he/she must speak directly with the course instructor. The course instructor must be notified prior to the examination. Exams will NOT be given early. Failure to attend a scheduled make-up exam will result in a zero (0) grade for that exam. The format of the make-up exam may be written or oral. Make-up examinations will be administered with the final exam. Exam dates are scheduled in the course syllabus and will only be changed in the event of University closure or at the discretion of the course instructor.

**D. Academic Integrity:** Faculty and students must observe the ULM published policy on Academic Dishonesty (see Page 4 in *ULM Student Policy Manual* - <http://www.ulm.edu/studentpolicy/>). (Also, include any additional policy information)

**E. Course Evaluation Policy:** At a minimum, students are expected to complete the on-line course evaluation. (Also, include any additional course-specific policies related to evaluation of the course.)

**F. Student Services:** Information concerning student services in the College of Pharmacy can be found in the College of Pharmacy Student Handbook. In particular, students you pay special attention to the Colleges technical standards and policies concerning students with special needs. ULM student services, such as Student Success Center (<http://ulm.edu/cass/>), Counseling Center (<http://ulm.edu/counselingcenter/>), and Student Health Services, is available at the following Student Services web site <http://ulm.edu/studentaffairs/>

**G. Emergency Procedures**

Please review the emergency escape plan in the classrooms and hallways of Bienville. Move quickly and orderly to the appropriate stairwell and exit the building. Under no circumstances is the elevator to be used for emergency evacuation. Any student needing assistance should notify the professor immediately.

**H. Federal Regulations** require determination and verification of every students' physical location while enrolled in classes (where they are physically located while taking classes), regardless of the delivery method (on campus, online). At the beginning of every semester and whenever physical

location changes, students must update or verify their current location through banner [https://ssb-prod.ec.ulm.edu/PROD/bwggkogad.P\\_SelectAtypUpdate](https://ssb-prod.ec.ulm.edu/PROD/bwggkogad.P_SelectAtypUpdate). Students should do this by the end of the first week of classes

## **IX. Tentative Course Schedule**

**A. Contact Information:** J. Lance Nickelson, Bienville 170, 342-3172; [jnickelson@ulm.edu](mailto:jnickelson@ulm.edu)

**B. Schedule** – *The instructor reserves the right to adjust the schedule as needed.*

Pharmacy 5059 Spring 2022 Tentative lecture schedule

Meeting times: Monday 3:00-4:15 and Wednesday 3:00-4:15 Bienville room 170

1. January 17th: Introduction to course
2. January 22nd: Introduction to psychiatric disorders: DSM and diagnostic criteria
3. January 24th: Antipsychotic psychopharmacology
4. January 29th: Antipsychotic treatment of schizophrenia/EPSE review
5. January 31st: Long acting antipsychotics
6. Feb 1st: PORT and selected article discussion Schizophrenia Cases and discussion
7. February 5th: Schizophrenia Cases and discussion
8. February 7th: Antidepressant pharmacology
9. February 19th: Mood disorders (depression)
10. February 21st: Depression cases
11. February 26th: Mood disorders (Bipolar disorders/mania)
12. February 28th: /Lithium
13. March 4th: Bipolar depression
14. March 6th: Suicide
15. March 11th: Anxiety disorders
16. March 13th: Management of the agitated patient
17. March 18th: Personality disorders
18. March 20th: Cases/exam review
19. March 25th: Suicide
20. March 27th: Neurobiology of addiction
21. April 8th: Alcohol withdrawal
22. April 10th: Treating alcohol use disorder
23. April 15th: Opiate abuse and addiction /
24. April 17th: Cocaine/stimulant abuse and addiction
25. April 22nd: CNS depressant abuse and addiction
26. April 24th: The pregnant patient
27. April 29<sup>th</sup> : Final exam?