Integrated Lab Sequence I
PHRD 4020
CRNs 41561, 41562, 41852

Contact Information:

Course Coordinator:
Dr. Anthony L. Walker
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Office Hours:
Mondays: 2-4 p.m.
Tuesdays: 9 a.m.-12 p.m.
Thursdays: 9 a.m.-12 p.m.
By Appointment

Course Instructors:
Dr. Laurel Sampognaro
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Dr. Greg Smith
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Bienville 130
Course Prerequisites: None
Course Co-requisites: P1 standing

Course Description: Integrated Lab Sequence I (1 cr)
First in a six-semester longitudinal course sequence reinforcing students’ knowledge, skills, and attitudes necessary for current and future pharmacy practice, particularly for the community setting.

Curricular Objectives and Outcomes

Domain 1 – Foundational Knowledge
1.1.1 Develop and demonstrate depth and breadth of knowledge in pharmaceutical and clinical sciences.
1.1.4 Apply knowledge in foundational sciences to solve therapeutic problems and advance patient-centered care.

Domain 2 – Essentials for Practice and Care
2.1.2 Interpret evidence and patient data.
2.1.3 Prioritize patient needs.
2.1.7 Document patient care related activities.
2.2.3 Utilize technology to optimize the medication use system.
2.2.6 Apply standards, guidelines, best practices, and established processes related to safe and effective medication use.

Domain 3 – Approach to Practice and Care
3.1.1 Identify and define the primary problem.
3.6.2 Actively listen and ask appropriate open and closed-ended questions to gather information
3.6.4 Use effective interpersonal skills to establish rapport and build trusting relationships.
3.6.5 Communicate assertively, persuasively, confidently, and clearly.
3.6.9 Document patient care activities clearly, concisely, and accurately using appropriate medical terminology.

Domain 4 – Personal and Professional Development
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.
4.4.1 Demonstrate altruism, integrity, trustworthiness, flexibility, and respect in all interactions.
4.4.2 Display preparation, initiative, and accountability consistent with a commitment to excellence.
4.4.4 Recognize that one’s professionalism is constantly evaluated by others.

Course-Specific Outcome: At the conclusion of this course, students should be able to demonstrate knowledge, skills, and attitudes related to first professional year course material.

Course Topics – See Tentative Teaching Schedule

Instructional Methods and Activities:
Teaching methods may include, but are not limited to: case/scenario based teaching; problem-based learning; service learning; individual/group exercises; self-directed learning; errors and omissions; role playing; online teaching; applied learning; projects/presentations; assignments/exercises; traditional lectures and the use of technology such as Power Point, Audience Response System, Human Patient Simulation, Distance Learning, Camtasia and Moodle online assignments.
Evaluation and Grade Assignment:
Weekly laboratory exercises and assignments will account for 70% of the final lab grade. Quizzes concerning assigned pre-lab exercises and/or reading materials may be given at any time throughout the semester and will be counted as part of the weekly lab grade. Each lab may be developed by individual faculty members and may consist of an undetermined number of points. It is extremely important to prepare for weekly laboratory exercises, as they account for the majority of the total lab grade.

Quizzes covering the “Top 200 Drugs” will account for 10% of the lab grade. Each drug quiz will cover 10 cards per week for a total of 10 quizzes in this lab course; the second 100 drugs will be covered in the next lab sequence. Please refer to the Top 200 Drug Quiz Schedule. Quiz content will include the brand and generic names, drug class, and dosage form(s). Please refer to the Top 200 Drug Quiz schedule. **A drug quiz average of 70% or higher is required in order to pass this course.** Students with a quiz average below 70% after the last quiz will be allowed a targeted remediation of the drug quizzes. This test will be administered by the lab coordinator during the last week of scheduled labs (the week before finals). The student must score at least a 70% on this exam in order to pass this course. The student will then receive a 70% average for the drug quiz final average.

Professionalism will total 10% of the final lab grade. Each week, 5 points may be earned or lost. Demeanor, enthusiasm, neatness, laboratory technique will be evaluated. **All** points will be deducted for not wearing lab coat or for other dress code infractions, for poor condition of laboratory equipment, desk or drawer, or for poor demeanor/attitude in lab. This will be checked weekly. If benches are always clean and drawers neat and the student always wears a pharmacy jacket and conducts themself in a professional manner, all 5 points will be earned. **A dress code will be enforced in this course (see section J). Food or drink is not permitted by the lab stations.** You may keep a bottle of water only (no other beverage – colas or coffee) by your backpacks or lunch in your lunch bag.

ILS I will also contain new material in the area of immunizations, which will comprise 10% of your grade in this course. The American Pharmacist’s Association “Pharmacy-Based Immunization Delivery” certification program will be used. This is an innovative and interactive training program that teaches pharmacists (and students) the skills necessary to become a primary source for vaccine information and administration. The program teaches the basics of immunology and focuses on practice implementation and legal/regulatory issues.

There are three components to the certificate-training program:
- Self-study modules with case studies and assessment exam
- Live seminar with final exam
- Hands-on assessment of intramuscular and subcutaneous injection technique

A Certificate of Achievement is awarded to participants who successfully complete all activity requirements, which include the self-study component, live training seminar, and the injection technique assessment. Successful completion is defined as a score of 70% or better on both the self-study and live seminar assessments.

1. Online Self-Study Modules: A score of 70% or better is required (in no more than two attempts) **PRIOR** to attending the live training seminar. **If the self-study exam is not completed by the first day of the live seminar, 20 points per day will be deducted from your lab grade until the self-study is completed or a score of zero is obtained.**
   The online self-study modules and assessment are required for successful completion of ILS-VI, and also required for APhA Pharmacy-Based IMZ training certificate.
2. Live Seminar: Will be conducted over two lab periods. **Attendance is required for all students.**
3. Online Final Exam: A score of 70% or better is required by the due date set forth by the instructor. Participants may have a maximum of two attempts to achieve a passing score. **This component is a requirement for successful completion of ILS-VI, and also required for APhA Pharmacy-Based IMZ training certificate.**
4. Assessment: Demonstrate competency in one subcutaneous and two intramuscular injections as assessed by the activity faculty during the live training seminar. This component is required by APhA in order to earn a Certificate of Achievement. Points will not be attached to this component for ILS-VI.

5. NOTE: The Certificate of Achievement is invalid without written proof of current CPR or BCLS certification. In addition, all requirements by the Louisiana State Board of Pharmacy must be met prior to engaging in immunization practice.

***You will be required to upload a copy of your Medication Administration Registration from the Louisiana Board of Pharmacy (LABP) to Exam Soft as an artifact for lab. This can be done after you obtain your Pharmacy Intern Permit from the board. In order to do this, you must apply to the LABP by completing Form 19 on the LABP website and submitting this along with a copy of your APhA Immunization Certificate of Achievement (COA), and a copy of your current BLS card. When your credentials have been verified, the Board will send you a letter (or email) of approval containing your Medication Administration Registry Number. You must first obtain your pharmacy intern permit number before applying for your Medication Administration Registration number. Once you obtain your permit number, you may then apply for your Medication Administration number.

Exercises and/or quizzes will NOT be given early. If you have an unexcused absence, missed quizzes and/or laboratory exercises cannot be made up.

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<thead>
<tr>
<th></th>
<th>Percentage</th>
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<tbody>
<tr>
<td>Laboratory Exercises</td>
<td>70%</td>
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<tr>
<td>Immunization Education</td>
<td>10%</td>
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<tr>
<td>Drug Quizzes</td>
<td>10%</td>
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<tr>
<td>Professionalism</td>
<td>10%</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>100%</strong></td>
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Course Grading Scale:

- A = 89.5 – 100
- B = 79.5 – 89.4
- C = 69.5 – 79.4
- D = 59.5 – 69.4
- F = ≤ 59.4

Undergraduate mid-term grades will be posted on-line for students to view via Banner. Mid-term grades indicate a student’s status at mid-semester only and do not indicate the final performance outcome of a student. Any student earning a non-passing grade of “D” or “F” on an exam will be required to participate in mandatory tutoring sessions offered by the course instructor(s) until such a time that they obtain a passing average in the course.

Student Portfolios:

Students are required to prepare, maintain, and submit a portfolio as evidence of achievement of learning outcomes. This portfolio also reflects the student’s evolving professional growth from the beginning to the completion of the Doctor of Pharmacy program.

Goals of the portfolio process:
1. Document students’ progressive achievement of the college’s competencies throughout the curriculum and practice experiences.
2. Document students’ self-assessment and preceptor assessments of educational outcomes.

The portfolio must contain the following items (artifacts) by the end of the Fall semester of the P1 year:
1. Reflection on My First Patient Assignment
2. SOAP note assignment from ILS-I Communication Basics Lab (ExamSoft®)
Since the portfolio will continue to be used in subsequent laboratory sequences, didactic courses, and professional practice experiences, completion of a satisfactory portfolio is a requirement to advance to the next semester. At the end of each semester, reports will be generated by the Dean of Assessment to ensure that each student has submitted the appropriate artifacts. Students who have not submitted the required artifacts will be notified of deficiencies, and will receive an incomplete grade (“I”) for this course unless the deficiencies are corrected by a set deadline of two weeks following the completion of the semester. Per the ULM Student Policy Manual “I” grades are removed only by completion of the course work, not by repeating the course. The deficiency must be met within two weeks following the completion of the semester. If not done so, the “I” grade is computed as an “F” grade.

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 and Materials: Texts for all co-requisite courses. A non-programmable calculator will be required for some class assignments and quizzes. Please have available at all times.

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 may: (1) prevent access to the classroom during regularly scheduled times; (2) jeopardize a student’s scholastic standing; and (3) lead to suspension from the School or University. Students must submit excuses for class absences to course coordinators 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 providing documentation to the faculty, which will be verified. 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-Lab:

Each student is expected to attend each exam at the date and time specified. If a student cannot attend an exam due to valid University excuse, he/she must speak directly with the course coordinator, as soon as possible. The course coordinator must be notified prior to an examination if a student misses an exam. The ULM SOP Excused Absence Policy must be followed. Please refer to the official document for details. In case of emergency, the course coordinator must be notified within 48 hours of the emergency. Failure to do so will result in a zero (0) grade for that exam. Make-up exams will be prepared at the same or higher level than the original exam. The format of the make-up exam may be written or oral. Failure to attend a scheduled make-up exam will result in a zero (0) grade for that exam. Students missing an exam due to a University approved excuse will take the make-up exam during the week of finals, or as determined by the course coordinator. http://www.ulm.edu/pharmacy/currents.html

D. Academic Integrity: Faculty and students must observe the ULM published policy on Academic Dishonesty (see the ULM Student Policy Manual – http://www.ulm.edu/studentpolicy/). All professional students will adhere to the standards set forth in the College of Pharmacy’s Code of Conduct (http://www.ulm.edu/pharmacy/currents.html).
Censures (Penalties)
Academic dishonesty will result in a referral to the Committee on Ethical and Professional Standards with a recommendation for a grade of “F” for the course and expulsion from the School of Pharmacy. Academic dishonesty includes, but is not limited to, the use of information taken from others’ work or ideas, the provision of help to others on non-collaborative evaluations (tests, quizzes, etc.), collaboration on take home exams, or the use of unapproved information or electronic devices to assist in obtaining an answer to the question.

E. Course Evaluation Policy: At minimum, students are expected to complete the on-line course evaluation as well as any evaluation administered in class by the College of Pharmacy.

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 should pay special attention to the College technical standards and policies concerning students with special needs. (http://www.ulm.edu/studentpolicy/studentpolicy.pdf) 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/. Students with special needs requiring accommodations MUST follow the process described at http://rxweb.ulm.edu/pharmacy/student/specialneeds.pdf.

Mental Wellness on the ULM Campus
If you are having problems with emotional, social, and/or behavioral issues please call any of the mental health clinics on the ULM campus to make an appointment. All services are free to ULM students, staff, and faculty, and are strictly confidential.

- COP Office of Student and Professional Affairs: 342-3800
- ULM Counseling Center: 342-5220
- Marriage and Family Therapy Clinic: 342-5678
- Community Counseling Center: 342-1263
- ULM HELPS (Helping Educators and Learners Prevent Suicide) Project Office: 342-1335

The University of Louisiana at Monroe strives to serve students with special needs through compliance with Sections 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act. These laws mandate that postsecondary institutions provide equal access to programs and services for students with disabilities without creating changes to the essential elements of the curriculum. While students with special needs are expected to meet our institution's academic standards, they are given the opportunity to fulfill learner outcomes in alternative ways. Examples of accommodations may include, but are not limited to, testing accommodations (oral testing, extended time for exams), interpreters, relocation of inaccessible classrooms, permission to audiotape lectures, note-taking assistance, and course substitutions.

Title IX of the Education Amendments of 1972 prohibits sex discrimination against any participant in an educational program or activity that receives federal funds, including federal loans and grants. Furthermore, Title IX prohibits sex discrimination to include sexual misconduct, sexual violence, sexual harassment and retaliation. If you encounter unlawful sexual harassment or gender-based discrimination, please contact Student Services at 318-342-5230 or to file a complaint, visit www.ulm.edu/titleix.

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. The meeting place for this class will be the far end of the north parking lot between Bienville and Broadmoor Blvd. Any student needing assistance should notify the professor immediately. For emergencies, to contact University Police, call 342-5350.
H. **Cell Phone Policy:** All cell phones should be turned off during class. If a student has a need to be notified during an emergency situation during class, he should leave the telephone number of the Office of Student and Professional Affairs, 318-342-3800, with the person who may need to contact them emergently. Cell phones are not allowed in the classroom during examinations or quizzes. Students found to be in possession of a cell phone during an examination or quiz will be considered to have committed an act of academic dishonesty and will be charged and brought before the committee on ethical and professional conduct.

I. **Use of Prior Course Materials:** Prior exams and prior quizzes are NOT permissible to possess and distribute to other students. Students who hand down prohibited course material are in violation of the policy and the Honor Code.

J. **Course Specific Policies:**
In addition to the requirements for individual labs, demeanor, enthusiasm, neatness, laboratory technique will be evaluated. Food and/or drinks are NOT permitted at any lab station. You may keep a bottle of water only by your backpack/purse. Coffee, tea, colas, or other beverages are not to be brought into the lab. Food is not allowed in the lab. Eat before or after your lab period!!! Points will be deducted for any infraction of course policies.

K. **Dress Code Policy:**

**General Personal Care Standards:**
Adequate precautions should be taken to maintain good personal hygiene.
1. Appropriate attire will be worn when compounding.
2. Nails should be well groomed, manicured and of short to medium length to facilitate compounding activities.
3. Hair should be neat, clean, styled off the face and out of the eyes. Hair longer than shoulder length should be secured. Hair bonnets will be worn when compounding.

**Attire**
LAB COAT IS MANDATORY- NO EXCEPTIONS
Clean, professional styled clothing and shoes.
- Gentleman must wear ties
- Shirts with a tail or a split should be tucked in.
- Belts should be worn with all pants that have belt loops.
- An undershirt should be worn if undergarments are visible through clothing.
- Skirts should be no shorter than one inch above the knee when sitting.
- Sleeveless shirts only, not Spaghetti straps, halter-tops, tube tops, showing of mid-drift, or low cut tops. Organization-Branded Jerseys
- Scrub tops and bottoms are not permitted.
- Casual Fridays are not permitted.
- Dress Capri pants can be worn.
- Sandals, tennis shoes, and flip-flops are prohibited; closed toe or peep toe shoes are only allowed

**Dress Code Violation**
At the discretion of the laboratory instructor, half or all of the student’s total daily lab points may be deducted for not wearing proper laboratory attire for any dress code infractions. If a student is constantly reminded to adhere to the current dress code policy, that student may be asked to leave the lab and notification will be sent to the dean of academic affairs by the lab instructor.
**Tentative Course Schedule: Integrated Lab Sequence I (PHRD 4020), Fall 2018**

There are three sections of this course. The meeting days and times are as follows: *Tuesday, Wednesday, and Thursday from 1p.m-3:50 p.m.*

<table>
<thead>
<tr>
<th>Date</th>
<th>Topic</th>
<th>Assessment</th>
<th>Professor</th>
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<tbody>
<tr>
<td>Week 1</td>
<td>Bench Assignments/Syllabus, Intro to Lab/Inventory/Safety, Intro to</td>
<td></td>
<td>Walker</td>
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<td>Aug. 21, 22, 23</td>
<td>PioneerRx, Basic Prescription Components and Fulfillment Activity</td>
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<td>Week 2</td>
<td>Introduction to My First Patient, Introduction to Communication Rubric</td>
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<td>Sampognaro, S Hill</td>
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<td>All sections meet Aug. 29</td>
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<tr>
<td>Week 3</td>
<td>My First Patient Physical Assessment</td>
<td>Quiz 1</td>
<td>Sampognaro</td>
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<td>Sept. 4, 5, 6</td>
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<tr>
<td>Week 4</td>
<td>Compounding Exercise (Troches), Introduction to Check Techs</td>
<td>Quiz 2</td>
<td>Walker</td>
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<td>Sept. 11, 12, 13</td>
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<tr>
<td>Week 5</td>
<td>Calculations</td>
<td>Quiz 3</td>
<td>Stewart</td>
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<td>Sept. 18, 19, 20</td>
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<td>Week 6</td>
<td>Immunization Course (All Sections Meet in B340 on Sept 26) Bring laptops!!</td>
<td>Quiz 4</td>
<td>Craft, Stewart, Robertson</td>
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<td>All sections meet Sept. 26</td>
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<tr>
<td>Week 7</td>
<td>Immunization Course (All Sections Meet in B340 on Oct 3) Bring laptops!!</td>
<td>Quiz 5</td>
<td>Craft, Stewart, Robertson</td>
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<td>All sections meet Oct. 3</td>
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<td>Week 8</td>
<td>Individual Labs – IMZ (Vaccine Administration Technique Video; Skills Training and Assessment; Final Examination; Program Evaluation)</td>
<td>Quiz 6</td>
<td>Robertson, IMZ certified faculty, students</td>
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<td>Oct. 9, 10, 11</td>
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<tr>
<td>Week 9</td>
<td>Check Tech Lab Verbal Telephone Order Activity</td>
<td>Quiz 7</td>
<td>Stewart, APPE students</td>
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<td>Oct. 16, 17, 18</td>
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<tr>
<td>Week 10</td>
<td>Fall Holiday (October 25-26)</td>
<td>Labs will not meet</td>
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<td>Oct. 23, 24, 25</td>
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<td>Week 11</td>
<td>Drug Information Retrieval</td>
<td>Quiz 8</td>
<td>G. Smith</td>
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<td>Oct. 30, 31, Nov. 1</td>
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<tr>
<td>Week 12</td>
<td>Pharmaceutics (solutions, suspensions, emulsions)</td>
<td>Quiz 9</td>
<td>Walker</td>
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<td>Nov. 6, 7, 8</td>
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<tr>
<td>Week 13</td>
<td>Communication Basics and Documentation (Error prone abbreviations, SOAP notes)</td>
<td>Quiz 10</td>
<td>Walker</td>
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<td>Nov. 13, 14, 15</td>
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<tr>
<td>Week 14</td>
<td>Thanksgiving Holiday Nov 22-24</td>
<td>Labs will not meet</td>
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<td>Nov. 20, 21, 22</td>
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<td>Week 15</td>
<td>Pharmacy Practice: Flavoring Lab, Transfers Patient Counseling Clean Up Day</td>
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<td>Walker</td>
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<td>Nov. 27, 28, 29</td>
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<tr>
<td>Week 16</td>
<td>UNIVERSITY FINAL EXAM WEEK</td>
<td>No Labs</td>
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<td>Dec. 4-8</td>
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*The instructor reserves the right to adjust the schedule as needed.*