COURSE SYLLABUS

COURSE NAME, PREFIX, NUMBER: ADVANCED PHARMACOLOGY AND IV THERAPY, LPNU 2124

CAMPUS NAME AND ADDRESS

Central Louisiana Technical College

CREDIT HOURS: 4

LECTURE HOURS: 3

LAB HOURS: 1

CONTACT HOURS: 75

INSTRUCTOR: TBD

INSTRUCTOR INFORMATION:

TBD

COURSE DESCRIPTION

Drug classifications and their effect on the various body systems are presented. Specific drugs in each classification are emphasized according to therapeutic effects, side effects, and adverse effects. Routes of drug administration and variables that influence drug actions are covered to include dangerous drug interactions and nursing implications related to each drug. Education for clients, family, and others about their medications, effects of medications, and correct administration is discussed. Safety precautions which will aid in decreasing the incidence of errors in medication are stressed. Advanced medication calculations will be required to demonstrate knowledge of safe dosing parameters. The nursing process is utilized to assess the learning needs of the client and the effects of all pharmacological interventions. Students are also taught the role of the practical nurse in the initiation and maintenance of intravenous therapy infusions, to include parental nutrition and blood products within the practical nurse scope of practice and that meets the requirements of the LSBPNE. The legal ramifications and responsibilities, and the need to adhere to facility policy, as well as scope of practice are stressed. Students focus on anatomy and physiology specific to intravenous infusions and are taught and demonstrate the correct procedures for IV therapy to maintain client safety. This course includes a 30-hour supervised skills lab.

OUTCOMES

As a result of successful completion of this course, the student will be able to:

1. Identify common medications and drug classifications and describe their therapeutic effects, side effects, adverse reactions, and implications for nursing care.
2. Demonstrate advanced medication calculation skills to ensure accurate and safe dosing within therapeutic parameters.
3. Develop and apply pharmacologic interventions that incorporate client-specific education, safe administration, and evaluation of therapeutic outcomes.
4. Safely initiate and maintain IV therapy, including medications, fluids, blood products, and parenteral nutrition, following current clinical guidelines, scope of practice, and facility policy.

5. Identify and respond appropriately to complications related to IV therapy, including but not limited to infiltration, phlebitis, fluid overload, and transfusion reactions.

REQUIRED TEXTBOOKS

F.A. Davis, Pharmacology Clear & Simple: A Guide to Drug Classifications and Dosage Calculations, 5th ed. (2025). Watkins, C. – may purchase new or used REQUIRED

ISBN: 9781719651196

Lippincott..Rosdahl's Textbook of Basic Nursing, 12th ed. REQUIRED

ISBN: 9781975171339

Assigned ATI Modules

ADDITIONAL MATERIALS/RESOURCES

Study Guide to Accompany Textbook - RECOMMENDED, NOT REQUIRED

   ISBN: 9781975172916 – Must be new.

GRADING CRITERIA

A   94-100

B   88-93

C   80-87

D   70-79

F   69 and below

GRADING SCALE

100-90	A
89-80	B
79-70	C
69-60	D
59-below	F

ASSESSMENTS

Written examinations   70%

ATI, Written Assignments, Quizzes   10%

Final examination   20%

                   100%

SECTION

Z01

TERM

Fall

ATTENDANCE

Students must be officially enrolled in any course that they attend. It is expected that students will attend scheduled classes regularly and on time. If an absence occurs, it is the responsibility of the student to make up

all missed work, if approved by the instructor. Students who stop attending a course and do not officially withdraw will receive grades of "0" for all work missed and will result in a punitive final grade. This policy shall be superseded by any more stringent attendance policy required by a regulatory or licensing body having jurisdiction over program requirements. Attendance will be tracked and maintained for various reporting purposes.

CLASS WITHDRAWAL POLICY

The deadline for dropping a class is published each semester on the CLTCC website in the academic calendar. A student who officially withdraws from a class prior to the designated date will receive a grade of "W" in that class. Any student who receives financial aid and withdraws from any or all classes is subject to repaying a portion of the funding received.

ACADEMIC HONESTY

The faculty of Central Louisiana Technical College supports the concept of academic honesty. The teaching faculty encourages academic honesty in all classes and we require academic honesty from all students. All students are expected to maintain honesty and integrity when completing all academic assignments and examinations. Plagiarism, cheating, and other forms of academic dishonesty will not be tolerated. Any student found guilty of such dishonorable acts in academic work will receive a "0" for the work presented. The instructor may also refer the student to the appropriate administrator for further disciplinary actions, which could result in an "F" in the course, dismissal from the course, or dismissal from the college.

ARTIFICIAL INTELLIGENCE

Students at CLTCC are expected to use AI tools responsibly and ethically in their academic pursuits:

- **Permission is Key:** For any graded academic work, students are generally required to seek **explicit permission from their instructors** before using any generative AI tools (e.g., ChatGPT, Bard, Copilot, Gemini).
- **Instructor Discretion:** Faculty members retain authority to determine if and how AI tools can be used in their specific courses. Students must adhere to these expectations, which will typically be communicated clearly through the **course syllabus** or assignment instructions.
- **Citing AI:** When instructors permit AI use, students are expected to **properly cite any content generated or assisted by these tools**, following established academic citation guidelines (e.g., MLA, APA, Chicago). Failure to do so constitutes academic dishonesty.
- **Fact-Checking is Crucial:** Students bear responsibility for the **accuracy and veracity** of all information submitted as part of their coursework, regardless of whether AI tools were employed in its generation.
- **Understanding Limitations:** Students are encouraged to understand the **limitations of AI tools**, including potential biases, inaccuracies, and how these might affect the quality or originality of their work.
- **Transparency in Workflow:** When AI tools are permitted, students are expected to be **transparent about their use**, documenting their workflow and clearly indicating when and how AI was utilized in the creation of their assignments.
- **Avoiding Academic Misconduct:** Using AI to cheat, plagiarize, misrepresent one's knowledge, or submit work that is not substantially one's own original effort is a severe violation of academic integrity and will lead to **serious disciplinary consequences**.
- **AI as a Learning Tool:** CLTCC acknowledges that AI tools can be valuable for **personal learning and skill development**, such as brainstorming ideas, outlining assignments, analyzing data, or exploring concepts. However, they should support, not replace, a student's own critical thinking, understanding, and learning process.
- **Prohibited Uses:** Specific prohibited uses include, but are not limited to:

- Using AI tools during examinations or quizzes unless explicitly permitted.
- Submitting entire assignments generated by AI as one's own original work.
- Sharing sensitive personal data or confidential institutional information with public AI platforms.

STUDENT CODE OF CONDUCT

Students will be suspended for actions detrimental to the welfare of other students, instructors, staff, and the campus. These actions include, but are not limited to: Firearms and/or weapons, alcoholic beverages, and illegal drugs will not be permitted on campus. Profanity and fighting are strictly prohibited. Smoking or use of any other tobacco products is prohibited. Students must not eat or drink beverages in classrooms or labs. Vandalism will not be permitted on campus. Dishonesty will not be tolerated under any circumstances. Students who cheat, or aid in the act thereof, may be dismissed from campus. Students must display a respectable attitude and behavior toward instructor and other students. The college has a Zero Tolerance Policy, meaning the campuses should be completely free of threats and assaults to ensure the highest standard of safety for all faculty, staff, students, and visitors on each campus. The college will take all reasonably available steps to protect all such persons from violence. Violators of the Zero Tolerance Policy will be suspended.

Title IX

Central Louisiana Technical Community College faculty and staff are committed to helping create a safe and open learning environment for all students. If you (or someone you know) have experienced any form of sexual misconduct, including sexual assault, dating or domestic violence, or stalking, know that help and support are available. The College strongly encourages all community members to act, seek support, and report incidents of sexual misconduct to the Title IX Office. Be advised that we must disclose information about misconduct as per Title IX of the Education Amendments of 1972.

If you wish to speak to a confidential employee who does not have this reporting responsibility, you can contact the Title IX Coordinator for Students at 318-487-5443 ext. 1129. If it is an ADA issue, you can contact CLTCC's ADA Coordinator for Students at 318-487-5443 ext. For more information about reporting options and resources at CLTCC and the community, visit our Title IX page. Please complete the following Incident Report by clicking here to report the incident. Under "*Nature of this Report*," choose Title IX or Disability Service Request regarding a Reasonable Accommodations issue.

Diversity and Inclusion

Each of you brings a unique perspective to this course and, as such, the Central Louisiana Technical Community College faculty endeavors to create a learning environment that supports a diversity of thought and experiences. Diversity can refer to the many ways that we identify ourselves, including but not limited to age, disability, race and place of origin, religious beliefs, and sexuality and gender identity. We encourage, celebrate, and support each of these diverse identities, as well as those not mentioned. We strive to provide an environment where everyone feels welcomed, valued, and respected. However, incidents of bias or discrimination do occur, whether intentional or unintentional. These acts contribute to an unwelcome environment. Therefore, the college encourages anyone who experiences or observes unfair or hostile treatment to speak out. To report any incidents, please speak to your instructor or contact a member of the CLTCC DEI Committee: https://cltcclibrary.cltcc.edu/dei/deicommittee. Please remember that we are all continuing to learn and grow, and the only way to do so is to treat each other with grace and respect.

DISCIPLINARY PROBATION

A student may be placed on disciplinary probation when campus rules and policies are disregarded. When a student is placed on disciplinary probation, the student is given a specified time to improve one's record. If the student's record does not show improvement, the student may be suspended for a specific time, usually a semester or more.

STUDENTS WITH DISABILITIES

The Central Louisiana Technical College complies with Section 504 and the Americans with Disabilities Act. Students with disabilities who seek accommodations must make their requests known by contacting the Disabilities Coordinator at the beginning of each semester. If a disability is identified later in the semester, a non-retroactive accommodation plan will be developed.

COURSE TRANSFERABILITY

A student should contact the institution to which he or she intends to transfer to inquire about the potential transferability of the course and to determine whether the course will count in his or her major.

INSTRUCTOR CREDENTIALS

All instructors for this course meet or exceed the criteria for academic and professional preparation as required in the SACS/COC standards for accreditation.