



**Course:** LVN IET

**Site:** Lamar State College PA

**Location:** AH 120

**Time:** W (12-3)

**Instructor:** James Chavis

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**Course Information:** This service is provided free of charge by the Adult Education and Literacy Department of Region 5 Education Service Center. The program of study will provide remediation services for the essentials of medication administration class provided by Lamar State College Port Arthur. All tuition and fees for this course are to be paid to Lamar State College Port Arthur.

**Course Objectives:** As participants in this course, learners will be able to calculate the following:

- fractions
- decimals
- add, subtract, multiply and divide negative numbers
- percentages
- area and perimeter of geometric shapes
- exponents
- absolute value
- proportions
- square roots
- logarithms
- exponential growth and decay
- radical expressions
- quadratic and linear functions
- solve literal equations
- systems of equations
- Calculations of drug dosages
- Metric and household measurements
- Unit conversions

Learners will accomplish the educational and career goals outlined in their Individual Training, Education and Career Plan (ITEC Plan).

**Curriculum:**

Remediation services will be incorporated into the course curriculum. Students will participate in a minimum of 15 contact hours of remediation and a minimum of 15 contact hours of training. Training hours will consist of hands on learning activities provided by Lamar State College Port Arthur.

**Certificate:** Learners participating in the LVN IET prepare for a license to be a Vocational Nurse, which requires completing a state-approved program through a University or College as well as take a state exam.

**Major Units of Study:** Contextualized AEL instruction will be integrated into the following course of study:

Week 1: Orientation, Systems of Measurement, Conversions (Metric System)

Week 2: Exam I

Week 3: Equipment Used in Dosage Measurement, Interpreting Drug Orders, Understanding Drug Labels

Week 4: Exam II

Week 5: Preventing Medication Errors, Begin Oral Dosage Of Drugs, Reading MAR

Week 6: Exam III

Week 7: Parenteral Dosage of Drugs, Unit Measurements, Reconstitution of Solutions

Week 8: Review Parenteral Dosage and Reconstitution

Week 9: Exam IV

Week 10: Intravenous Calculations

Week 11: Pediatric Dosages

Week 12: Review of Intravenous and Pediatric Calculations

Week 13: Exam V

Week 14: Final Exam

A copy of the syllabus can also be found at this link [esc5.net/adulted](http://esc5.net/adulted)

**Course Expectations:** Each class will require hands-on, interactive learning from start to finish. Learners should come ready to participate each day. (other, as applicable)

**Attendance Policy:** Students are required to follow the attendance policy of Lamar State College Port Arthur as well complete at least 15 direct contact hours and a minimum of 15 hours of training.

**Evaluation:** Pre and post tests will be given to learners according to TWC AEL guidelines.

**Materials Needed:** Ogden, S.J. & Fluharty, L.K. (2016). Dosage Calculations (10th ed.). St. Louis: Elsevier Mosby ISBN: 9780323310697

Learners will need to bring a tablet for notetaking and completing activities. For distance learning, participants will need to provide their own cell phone or laptop computer.

**Course Calendar:** Our fiscal year begins on July 1, 2018 and ends on June 30, 2019. Class holidays include July 4 (Independence Day), September 3 (Labor Day), November 19-23 (Thanksgiving), December 24-January 4 (Christmas), March 11-15 (Spring Break), and May 27 (Memorial Day). Please note that calendar adjustments are necessary throughout the program year.

### **Additional Resources**

- Region 5 ESC Adult Education website: ([www.esc5.net/page/AE\\_Home](http://www.esc5.net/page/AE_Home))
- Workforce Center(Beaumont) 409-839-8045 ([setworks.org](http://setworks.org))
- Workforce Center (Port Arthur) 409-962-1236 ([setworks.org](http://setworks.org))
- Workforce Center (Orange) 409-882-0302 ([setworks.org](http://setworks.org))
- Career Navigator(Danielle Grundy) 409-951-1759 or [dgrundy@esc5.net](mailto:dgrundy@esc5.net)
- Math Help Line (1-888-295-3916) or ([www.studentnest.com](http://www.studentnest.com))
- Jobs for America's Graduates-JAG (Casi Rekieta) [crekieta@esc5.net](mailto:crekieta@esc5.net)
- A comprehensive list of local community organizations that provide individual or family support services may be found at ([www.esc5.net/adulted](http://www.esc5.net/adulted)), or a printed document will be provided upon student request.

The Adult Education and Literacy Department of Region V Education Service Center operates under a grant from the Texas Workforce Commission. Information about local TWC resources can be found at <https://setworks.org>.