

Midland College
Master Syllabus
RSPT 2139
Advanced Cardiac Life Support
(1-0-0)

Course Description

Advanced Cardiac Life Support (ACLS) with an emphasis on airway management. Designed to develop skills for resuscitation of the adult. Includes strategies for managing and stabilizing the cardiopulmonary arrested patient. May include certification based on American Heart Association standards.

End-of-Course Outcomes:

Describe the principles, techniques, and complications of intravenous and electrical therapy, airway control, ventilation, and supplemental oxygen; analyze cardiac dysrhythmias; integrate basic life support with advanced cardiovascular life support interventions; and summarize airway management principles.

Text, References, and Supplies:

Textbooks (Required textbook in is bold print)

American Heart Association. Advanced Cardiovascular Life Support Provider Manual. 2020.

Heuer, Stoller, Kacmarek, Egan's Fundamentals of Respiratory Care. Twelfth Edition, Evolve/Elsevier. 2021.

Students MUST actively participate by completing an academic assignment required by the instructor by the official census date. Students who do not actively participate in an academically-related activity will be reported as never attended and dropped from the course.

Disclaimer

The instructor reserves the right to make modifications to this course throughout the semester. The above schedule, policies, procedures, and assignments in this course are subject to change in the event of extenuating circumstance, by mutual agreement, and/or to ensure better student understanding.

Course Goals/Objectives:

Upon successful completion of the course the student will:

Complete all online modules for the ACLS Provider course. These are to be followed by successful completion of skills testing.

1. Discuss the primary ABCD Survey
2. Discuss the secondary ABCD Survey
3. Describe management of for each step of the ACLS approach
4. Describe the principles and adjuncts of supplemental oxygen

5. Describe the techniques of airway control and management
6. Describe the techniques of ventilation
7. Perform ventilation to endotracheal tube, LMA, Combitube
8. Perform endotracheal intubation
9. Explain primary and secondary tracheal tube confirmation and protection from dislodgment
10. Discuss the human issues associated with CPR and ACLS
11. Discuss the ethical issues associated with CPR and ACLS
12. Discuss the legal issues associated with CPR and ACLS
13. Review basic cardiac life support BCLS/CPR
14. Describe what an Automated External Defibrillator (AED) does
15. List the four (4) universal steps of operating an AED
16. Describe in detail the universal steps above
17. Identify cardiac arrest (lethal) rhythms
18. Identify non cardiac arrest rhythms
19. Perform intermediate rhythm interpretation (i.e., bradycardia, blocks, atrial tachycardia, tachycardia)
20. Provide appropriate therapeutic intervention for cardiac arrhythmias
21. Explain the safe and effective use of a defibrillator to deliver shocks to VF
22. Explain the safe and effective use of cardioversion for unstable VT
23. Explain the safe and effective use of an external pacer
24. Describe major advantages and disadvantages of peripheral and central IV
25. Describe the techniques of intravenous therapy
26. Explain the use of appropriate resuscitation medications to:
 - Correct hypoxemia
 - Restore circulation and blood pressure
 - Promote optimal cardiac function
 - Prevent or suppress significant arrhythmias
 - Relieve pain
 - Correct electrolyte abnormalities
 - Adjust acidosis
 - Counteract effects of prescribed medications or illegitimate agents
 - Treat congestive heart failure
27. Analyze trauma situations
28. Provide appropriate therapeutic intervention for trauma situations

Student Contributions and Class Policies

Each student will spend at least 6 hours per week preparing for class. Attendance is critical in this class. The college attendance policy will be followed.

All classroom performance and behavior will be considered academic.

Evaluation of Students

A minimum of one comprehensive test will be given. Test questions will come from lecture, reading assignments and CD information. The test will be objective in nature. The mock code will incorporate all the knowledge and skills the student has acquired during the course. They will be responsible for directing the code to a successful conclusion.

Completions & Exams	45%
• Certificate	
• Quiz	
• Exam	
Skills Exam	45%
• Mock Code	
Attendance, Participation, and Attitude	5%

Each student is expected to take exams as scheduled. If an exam is missed for any reason, the student must take the exam on the student's first day back on campus or a grade of "0" will be recorded for the missed exam. Ten percent will automatically be deducted from the make-up exam score. No more than two exams per semester may be made-up (for each course). Exams may not be taken early in any class.

Grading Standards:

- A 90-100%
- B 80-89%
- C 70-79%
- F <69%

Course Schedule:

The class meets for 1 lecture hour per week.

Attendance:

Your attendance is the biggest predictor of your success. Attendance at every class is expected. Attendance will count for 5% of the final grade.

Student Contributions, Responsibilities and Class Policies:

Each student will spend at least 4 hours per week preparing for class. Attendance is critical in this class. The college attendance policy will be followed.

Class Policies

All classroom performance and behavior will be considered academic.

Advising

Any student that scores below a 70 on an exam is responsible for emailing the instructor and scheduling an advising session within 24 hours of the exam review.

Make Up exam Policy

Each student is expected to take exams as scheduled. If an exam is missed for any reason, the student must take the exam on the student's first day back on campus or a grade of "0" will be recorded for the missed exam. Ten percent will automatically be deducted from the make-up exam score. No more than two exams per semester may be made-up (for each course). Exams may not be taken early in any class.

All personal communication devices are to be placed on silence/vibrate during class time. If you must answer your device, please leave the immediate area.

No personal communication devices allowed in testing areas.

Scholastic Dishonesty and Academic Misconduct

The Midland College Policy will be followed.

Students are encouraged to contact the instructor at any time; however, making an appointment will guarantee the instructor's availability at a specific time.

AMERICANS WITH DISABILITIES ACT (ADA) Statement:

Midland College provides services for students with disabilities through Student Services. In order to receive accommodations, students must visit www.midland.edu/accommodation and complete the Application for Accommodation Services located under the Apply for Accommodations tab. Services or accommodations are not automatic, each student must apply and be approved to receive them. All documentation submitted will be reviewed and a "Notice of Accommodations" letter will be sent to instructors outlining any reasonable accommodations.

NON-DISCRIMINATION STATEMENT:

Midland College does not discriminate on the basis of race, color, national origin, sex, disability or age in its program and activities. The following individuals have been designated to handle inquiries regarding the non-discrimination policies:

Wendy A. Kane

Dean of Student Life

Midland College

Title IX Coordinator/Compliance Officer

3600 N. Garfield, SSC 131

Midland, TX 79705

(432) 685-4781

Title9@midland.edu

For further information on notice of non-discrimination, visit the ED.gov Office of Civil Rights website, or call 1 (800) 421-3481.

Licensure Eligibility Notification

Completion of Midland College degrees and/or certificates does not guarantee eligibility to take a certification/registry/licensure examination. The eligibility of each person is determined on an individual basis by the regulatory body of the specific discipline. If you have a conviction of a crime other than a minor traffic violation, physical or mental disability/illness,

hospitalization/treatment for chemical dependency within the past five years, current intemperate use of drugs or alcohol or a previous denial of a licensure or action by a licensing authority, you will need to contact the specific regulatory body for an individual ruling. Some programs require a criminal background check and urine and drug screen.