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.

Textbooks (Required textbook in is bold print)


Mistovich, Advanced Cardiac Life Support, Brady/Prentice Hall. 1998.


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.

Upon successful completion of the course the student will:

1. Discuss the primary ABCD Survey
2. Discuss the secondary ABCD Survey
3. Describe management of 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.

1. Test 45%
2. Attendance, participation and attitude 10%
3. Skills exam (Mock code) 45%
Total 100%

Course Schedule:
The class meets for 1 lecture hour per week. Wednesdays from 09:00 – 10:00 am
Students with Disabilities

Midland College provides services for students with disabilities through Student Services. In order to receive accommodations, students must place documentation on file with the Counselor/Disability Specialist. Students with disabilities should notify Midland College prior to the beginning of each semester. Student Services will provide each student with a letter outlining any reasonable accommodations. The student must present the letter to the instructor at the beginning of the semester.

Instructor’s Information

Name: Robert Weidmann, M.Ed., RPFT, RRT-NPS, RCP
Office Location: A34 AMS
Office Telephone: 432/685-5549
Home Telephone: 432/697-4725
Cell Telephone: 432/853-6403
E-Mail Address: rweidmann@midland.edu
Office Hours: *Mon/Fri 8-10:30
Tues/Thurs 8-10:30; 3-4:30
Wed. 1-3
*at the clinical site
Division Dean: Dr. Carmen Edwards, EdD, MSN, RN
Division Secretary: Karen Harris
Division Office Location: Room 208 DHS
Telephone: 685-4600

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

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.
Midland College does not discriminate on the basis of race, color, national origin, sex, disability or age in its programs and activities. The following individuals have been designated to handle inquiries regarding the non-discrimination policies: Tana Baker, Title IX Coordinator/Compliance Officer, 3600 N. Garfield, SSC 242, Midland, TX 79705, (432) 685-4781, tbaker@midland.edu; Natasha Morgan, Director Human Resources/Payroll, 3600 N. Garfield, PAD 104, Midland, TX 79705, (432) 685-4534, nmorgan@midland.edu. For further information on notice of non-discrimination, visit http://wdcrobcolp01.ed.gov/CFAPPS/OCR/contactus.cfm or call 1 (800) 421-3481.

Spanish
Midland College no discrimina por motivos de raza, color, nacionalidad, sexo, discapacidad, o edad en sus programas o actividades. Las siguientes personas han sido designadas para responder a cualquier pregunta o duda sobre estas políticas no discriminatorias: Tana Baker, Title IX Coordinator/Compliance Officer, 3600 N. Garfield, SSC 242, Midland, TX 79705, (432) 685-4781, tbaker@midland.edu; Natasha Morgan, Director Human Resources/Payroll, 3600 N. Garfield, PAD 104, Midland, TX 79705, (432) 685-4534, nmorgan@midland.edu. Para más información sobre estas políticas no discriminatorias, visite http://wdcrobcolp01.ed.gov/CFAPPS/OCR/contactus.cfm o llame al 1 (800) 421-3481.
The above-named course syllabus and licensure eligibility notification have been received by and explained to me. I have read, understand, and will adhere to the same.

Student’s signature

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This sheet must be returned to your instructor by the end of the first week of class.