



AHS 106 CARDIOPULMONARY RESUSCITATION Health Sciences – Allied Health Sciences

Summer 2010

Catalog Course Description: This course provides a study of principles of cardiopulmonary resuscitation.

Prerequisite(s): None
Corequisite(s): None
Credit Hours: 1 Credit 1 Lec 0 Lab

Departmental Website: <http://www.midlandstech.edu/dental>
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Class Schedule:

Office Hours:

Textbook(s): Practice of the Dental Hygienist, 10th ed., Esther M. Wilkins

Additional Textbooks/Readings: BLS for Healthcare Providers, American Heart Association

Course Objectives: Upon completion of this course the student will be able to:

1. Understand the four main parts of CPR: Airway, Breathing, Circulation & Defibrillation.
2. Name the links in the AHA chain of survival and state the importance of each link.
3. Define the following
 - a. Coronary artery disease (CAD)
 - b. Acute coronary syndromes (ACS)
 - c. Angina
 - d. Acute myocardial infarction (AMI)
4. Recognize that new therapy for acute stroke limits disability if provided with 3 hours of stroke onset.
5. List three risk factors for coronary artery disease and stroke that cannot be controlled and three risk factors that can be controlled.
6. List the sequence of actions you should perform for an adult patient in respiratory and cardiac arrest.
7. Describe and demonstrate one and two rescuer CPR.
8. Describe and demonstrate the use of the face shield, pocket mask and bag mask as adjuncts to ventilation.
9. Discuss the importance of early defibrillation.
10. Describe and demonstrate the proper use of the AED.
11. Describe and demonstrate the sequence of action for management of the adult with FBAO.
12. Describe and demonstrate one and two rescuer CPR for an infant and child.
13. Describe the signs of FBAO in infants and children and how to relieve it.

Course Outcomes and Competencies:

Intended Course Outcome #1: The student will develop the skills and acquisition of knowledge to perform cardiopulmonary resuscitation, use an AED, perform rescue breathing and foreign body airway obstruction removal.

Course Competency The student will demonstrate an understanding of life practices that may lead to increased risk of cardiac arrest emergencies and indications for CPR, rescue breathing, use of the AED and how to relieve airway obstructions by achieving an 85% on the skills test and on the final written examination.

Performance Measurement Instrument: The student will achieve an 85% on the skills test and on the final written examination, which will allow them to become certified in Health Care Provider Basic Life Support according to the American Heart Association guidelines.

Course Attendance: It is in the student's best interest to be present for all classes. **The student is permitted 1 absence from this class** for sickness, death in the family or legal matters. The student will be allowed to make up "graded" assignments upon presentation of a valid excuse; the make-up work must be completed within one class period of the return to school. **Three tardies equal one absence;** a tardy will be given when the student arrives more than 10 minutes late for class or leaves more than 10 minutes early. There is no ten-minute instructor/cut regulation for this course.

Withdrawal: Should the maximum allowable absences be exceeded prior to midterm, a "W" will be submitted to the registrar to be recorded on the student's transcript. Should the maximum allowable absences be exceeded after midterm, a "W" will be submitted to the registrar if the student was passing the course at the time of withdrawal OR a "WF" will be submitted if the student was failing the course at the time of withdrawal.

Course Grading: Skill check offs = 50%
Final Written Examination = 50%

Grading Scale:	92-100	A
	84-91	B
	75-83	C
	0-74	F

Special Procedures:

PERFORMANCE STANDARD COUNSELING ITEMS

Healthcare providers and students aspiring to become healthcare providers assume significant responsibility to maintain or improve the quality of life of their clients through wellness-directed efforts. The Allied Dental Education faculty has identified specific performance standards counseling items, which if displayed by the student caregiver might result in compromised client wellness or an infraction of the professional code of ethics. Performance standards counseling items will result in points being subtracted from the graded area to which they apply (Professionalism, Debridement & Therapeutics, Assessment). Additionally, an accumulative tally of weighted values will be kept of such counseling items with the following actions taken:

**Performance Standards Counseling Items
Cumulative Weight Total By Semester**

<u>1st</u>	<u>4th</u>	<u>5th</u>	Actions Taken
3	3	3	Director Conference
4	5	6	Student on Probation for Non-Progression
6	7	8	Student Withdraws From Program

Classroom Rules/Other: LECTURE ATTIRE: (Refer to Clinic Manual)

Proper attire is required for all lectures.

Course Topic Outline/Course Calendar with Assignments:

AHS 106 Course Schedule

TBA **8:30-9:00 Course Outline & Schedule review**
9:00-10:30 Adult Skills Video & Practice
10:30-11:30 Adult Skills Check-Off's
11:30-12:30 2 rescuer and defibrillator
12:30-1:30 FBAO Demo & Check-Off's
1:30-2:30 Review (Go over test version B)

TBA **8:30-9:30 Defibrillator Check-Off's**
9:30-10:30 Child Skills Video
10:30-11:30 Infant Skills Video
11:30-12:30 Infant & Child Check-Off's
12:30-2:30 Review & Practice

****Written Test Taken at Testing Center by TBA**

PLEASE NOTE: Should change become necessary, the instructor reserves the right to adjust the requirements, pace, or scheduling of this course. Any change will be announced in class before it becomes effective.



Students are expected to read the student handbook and abide by its policies. Copies of the handbook may be obtained at various locations on campus and is located on the web: <http://www.midlandstech.edu/planner/>

Academic Dishonesty: The Student Code addresses what constitutes academic dishonesty. All forms of dishonesty including, but not limited to, cheating on tests, plagiarism, collusion and falsification, will call for discipline.

CHEATING ON TESTS includes:

- Copying from another student's paper.
- Using materials during a test not authorized by the person giving the test.
- Collaborating with any other person during a test without permission.
- Knowingly obtaining, using, buying, selling, transporting, or soliciting in whole or part the contents of any un-administered test.
- Bribing any other person to obtain information about tests.
- Substituting for another student, or permitting another student to substitute for one-self.

PLAGIARISM is the appropriation of any other person's work and unacknowledged incorporation of that work in one's own work offered for credit.

Campus Emergency Protocol: Students and employees are asked to report safety concerns or suspicious activities to Campus Security at 7199 (on campus) or 738-7199 (cell phone or off campus). In the event of an emergency, employees and/or students should immediately call Campus Security or local 911. If an emergency occurs, the college will use a variety of methods to communicate additional information and instructions including the MTC Information Centers, campus loud speakers, MTC Alerts! (http://www.midlandstech.edu/Phone_Alert.htm), voice mail, email, college Intranet, and the MTC website homepage.

Inclement Weather Policy: In the event weather conditions or other emergencies cause the closing or a delayed start of Midlands Technical College, announcements will be made over local radio and TV stations, on the MTC Web site, and on the college's information line (803-738-8234). Notices will be sent to students via Campus Cruiser Mail when applicable. Separate announcements may be made for day and evening classes as weather conditions change during the day.

If the college closing or reopening means that there is at least 30 minutes of a class remaining, plan to attend that class. For example, if the college opens at 10:00 a.m. in TTH, classes that normally meet at 8:00 a.m. will not meet, but classes beginning at 9:30 a.m. will meet. If the college closes at 8:00 p.m., 6:00 p.m. classes will meet for their regular time, but 7:35 p.m. classes will not meet since there are fewer than 30 minutes remaining in class.

Student E-Mail Accounts: All MTC students are assigned a college e-mail account upon admission to the college. This account is called "Campus Cruiser Mail." Campus Cruiser Mail is the primary mode by which the college communicates with students. Students are responsible for checking their college e-mail on a regular basis for important information and announcements about registration, financial aid, cancelled classes, emergency announcements and other notices. Students can use their college e-mail accounts to communicate with faculty, staff, fellow students, and others, in support of their educational pursuits. In addition to e-mail, students will also have access to maintaining personal calendars and "tasks lists" through their Campus Cruiser e-mail account.

Student Evaluation of Instruction: Students have the opportunity to evaluate this course. The confidential evaluation process is conducted through MTC Online using the individual student's username and password. Announcements will be made during the term concerning how and when to complete the online evaluation. Students are encouraged to participate in this process.

Students Requiring Special Accommodations: If special accommodations are needed for a student with a disability, the student should go to Counseling Services on Beltline or Airport Campus for assistance. Documentation regarding a specific disability is required in order for special arrangements to be made. Confidentiality of information received will be maintained.