Instructor Information

Instructor: Dennis Mitchell, B.S. EMS, NRP
Office: AHEC 108
Mailbox: TBD
Hours: Monday, Tuesday, Thursday, Friday 9:00 am to 11:00 am; by appointment
Phone: 501-686-6859
Email: dmitchell@uaptc.edu

*All emails and telephone calls will receive a response within two business days.

Chair: Harold D. Shray 501-686-8125 hshray@uaptc.edu
Dean: Dr. Marico Bryant Howe 501-812-2342 mbryanthowe@uaptc.edu

*If your emails and telephone calls do not receive a response within two business days, the appropriate chain of command is above.

Course Information

This course is designed to allow the student to develop the skills necessary to implement a treatment strategy for patients with cardiovascular pathophysiology at the advanced life support level.

Arkansas Department of Health Course Number 1807545

Catalog Description

Utilization of the assessment findings to formulate a field impression, to implement and evaluate the management plan for the patient experiencing a cardiac emergency. Includes Advanced Cardiac Life Support (ACLS) didactic.

Course Materials

Blackboard
Mission Statement

University of Arkansas – Pulaski Technical College provides access to high-quality education that promotes student learning and enables individuals to develop to their fullest potential.

Institutional Learning Outcomes and General Education

This course utilizes Blackboard Learn 9.1 and classroom application. Material will be offered in a lecture/discussion format, with demonstration of clinical skills as needed. Active student participation is required, both in the classroom setting and in online assignments, discussions, and other online activities.

UA-PTC supports a college-wide institutional learning assessment program which concerns effective instructional methods and promotes student learning achievement by assessing:

- Communication
- Critical Thinking
- Cultural Awareness
- Information Literacy
- Professionalism
- Quantitative Literacy
- Technology Literacy

For more information, please consult the following website: https://uaptc.edu/sla

Department / Program Learning Outcomes

- Demonstrate personal behaviors consistent with professional and employer expectations of an entry-level paramedic.
- Demonstrate technical proficiency in all of the skills necessary to fulfill the role of an entry-level paramedic.
- Comprehend, apply, and evaluate information relative to the role of an entry-level paramedic.
Student Learning / Course Outcomes
Upon completion of this course, the student will be able to:

- Understand pharmacological and electrical interventions necessary to treat the patient with cardiovascular disease.
- Integrate principles of cardiovascular pathophysiology
- Apply assessment findings to formulate a field impression for patients with cardiovascular problems.
- Implement a treatment plan for patients with cardiovascular disease.
- Successfully treat different categories of patients with simulated cardiovascular problems based upon American Heart Association Advanced Cardiac Life Support guidelines.

Policies

Report a Complaint or Concern

UA-PTC takes very seriously complaints and concerns regarding the institution. Most complaints or concerns of a specific nature should be initiated and resolved at the campus level through normal college processes whenever possible. UA - Pulaski Technical College receives and resolves complaints using a variety of methods. To report a complaint or concern, please follow the link below.

https://www.uaptc.edu/report-a-concern-complaint

UA-PTC Attendance Policy

Education at UA-PTC requires students’ active involvement in the learning process. Thus, students are expected to attend all classes and actively engage in all learning assignments and/or opportunities provided in their classes. Class attendance should be treated as mandatory by all students as attendance will be taken by all instructors during the first two weeks of class. Additionally, a written policy on student attendance that is tied to course objectives and included in a course syllabus will be provided for each course by instructors.
Departmental Attendance Policy

In order to maximize learning opportunities, attendance will be taken at all class sessions. Attendance is required in all lecture and laboratory sessions. In case of an emergency absence, it is the student’s responsibility to notify the department (501-686-5772) or the instructor (501-686-6860) and to procure the material that was missed. Makeup (skill practice or check off, specific presentation material, or examinations) requiring instructor interaction will be scheduled at the instructor’s convenience. If the department or the instructor is not notified concerning an emergency absence, the absence from class, clinical, or field internship will be considered unexcused, and the required coursework, scheduled rotations, or examinations cannot be made up. It may not be possible to make up absences that occur during clinical or field internship courses due to the complexity of scheduling; grades and/or opportunities for licensure may be affected accordingly.

Any absence in excess of two (2) will result in lowering the final course grade by five percentage points (5%) per additional absence. Students are responsible for reading assignments and all material presented during a missed class session.

Students are expected to arrive on time. Tardiness is defined as arriving in one’s assigned area after the assigned starting time. There may be quizzes or exercises that cannot be made up which could affect the student’s grade. Three (3) tardies or early departures (leaving before class is done) are the equivalent of one absence.

Course Policies

The UA-PTC Catalog rules and regulations will be enforced in this course at all times. Please consult the following website for more information: https://www.uaptc.edu/catalog

Professional behavior is required. Punctual attendance and intelligent participation are expected. Particulars as determined by the instructor are detailed in the paragraph below.

Appropriate behavior is expected for all communications, including any notes, email messages, or telephone conversations. Some guidelines for communication are included in this syllabus to help you.

During all portions of the course, students must demonstrate acceptable behavior, appropriate hygiene, and wear their UA-PTC identification badges at all times.
Grading Policy

Letter grades will be based on the following scale:

- 90 to 100%  A
- 80 to 89%  B
- 75 to 79%  C
- 70 to 74%  D
- < 70%  F

Grades will be calculated as follows:

<table>
<thead>
<tr>
<th>Component</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quizzes</td>
<td>10%</td>
</tr>
<tr>
<td>Midterm Exam</td>
<td>30%</td>
</tr>
<tr>
<td>Successful Completion AHA ACLS Provider</td>
<td>30%</td>
</tr>
<tr>
<td>Final Exam</td>
<td>30%</td>
</tr>
<tr>
<td>Estimated Percentage</td>
<td>100%</td>
</tr>
</tbody>
</table>

*The instructor reserves the right to administer pop quizzes at any time.

Although student/faculty conferences can be arranged by the instructor if he/she perceives there to be a problem, it is the student’s responsibility to arrange for a conference if he/she needs extra help, has a question, or is concerned about proficiency.

* **Instructors have one week to provide feedback and post grades for all assignments unless otherwise noted by a departmental policy that has been approved by the Dean of the School.**

In an online class, eligibility for Financial Aid is based on student participation. Logging into the course does not constitute participation. For purposes of roster certification, students must complete a gradable attendance artifact.

The student will be required to participate in scenario situations as team leader, team member, or patient. The student is also required to act as a team member in the clinical and field observation areas and complete the objectives on the clinical and field forms.
Academic Integrity

It is expected that all students who attend UA-PTC conduct themselves in a manner appropriate for the college experience. Academic integrity is a vital component of collegiate behavior. The UA-PTC catalog states, “The gaining of knowledge and the practice of honesty go hand-in-hand.” The catalog also states, “The responsibility and authority of initiating discipline arising from violations of the rules against dishonesty during the process of the course are vested in the instructor of that course.”

The complete Academic Integrity Policy is in the UA-PTC code of conduct.

UAPTC has established guidelines for scholastic integrity, which are published in the UA-PTC Student Code of Conduct. Scholastic integrity, including plagiarism, giving or receiving any form of aid on quizzes or examinations that is not expressly permitted by the instructor, or falsification of any report, experimental results, or research data, is subject to disciplinary action, including probation, suspension, or dismissal from the program.

As your course instructor, I am informing you via this syllabus that I reserve the right, at my discretion, to use plagiarism detection systems for this course by submitting students' written work to the system for the purpose of determining if a document has been plagiarized.

Note: All work submitted for this course is required to be original work developed for class assignments and should not have been submitted for assignments made as part of previous and/or concurrent courses without the instructors’ prior knowledge and approval; to do otherwise constitutes scholastic dishonesty and will be addressed as such in this course.

Accommodation Policy

Services for Students with Disabilities: UA-PTC is committed to fulfilling all federal requirements as stated in the Rehabilitation Act of 1973, the Americans with Disabilities Act of 1990, and the American with Disabilities Amendments Act (ADAAA) of 2008. Accommodations are available to students who have documented disabilities. Students who request accommodations must register with the Disability Services Office (Main Campus: 501-812-2738 or South Campus: 501-812-2862) and must provide current and relevant documentation.

Students requesting accommodations should inform the instructor at the beginning of the course or as soon as accommodations are approved. It is the student’s responsibility to provide their Accommodation Letter to the instructor. Accommodations are not retroactive and will only be provided once your instructor receives the Accommodation Letter.
Student Code of Conduct

All students are expected to abide by the UA-PTC Student Code of Conduct. For the full Student Code of Conduct, access the most current version of the UA-PTC Academic Catalog. http://uaptc.azurewebsites.net/docs/default-source/course-catalog/2017-18-academic-catalog.pdf?sfvrsn=a08a3038_2

Sexual Misconduct

No person at Pulaski Technical College will, on the basis of gender, be excluded from participation in, be denied benefits of, or be subjected to sex discrimination, sexual harassment or sexual misconduct under any education program or activity. All college administrative policies and procedures regarding sex discrimination, sexual harassment, and sexual misconduct are in compliance with Title IX. Students who feel they are victims of sexual misconduct should contact the UA-PTC Title IX Deputy Coordinator for Students:

Michelle Anderson, Director of Student Life and Leadership
Campus Center Building Room 216
501-812-2756
manderson@uaptc.edu

Course Evaluations

Students may be asked to evaluate their instructor and course near the end of the semester. These student evaluations are very important to the improvement in the quality of instruction and course materials. All results are anonymous and shared with the faculty only after the semester is over and grades have been posted.

Information Literacy

UA-PTC is committed to the Information Literacy Competency Standards for Higher Education as established by the Association of College and Research Libraries and endorsed by the National Forum on Information Literacy. Therefore, all courses will incorporate an information literacy component so that, by graduation, all students will be able to recognize the need for information, then locate, evaluate, synthesize, and communicate information in an ethical manner. Information literacy encompasses critical thinking, research, media, technology, health, business, and visual literacy skills to produce lifelong learners who can make informed decisions in the workplace and in their personal lives.
## EMS 2501 – COURSE SCHEDULE
### Spring, 2019

<table>
<thead>
<tr>
<th>CLASS DATES</th>
<th>TOPICS/CHAPTERS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Introduction</td>
</tr>
<tr>
<td></td>
<td>Cardiac A+P</td>
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</tbody>
</table>

**Week 2**

- Read: The Systematic Approach, AHA PM, Part 4, 33-42
- Read: Respiratory Arrest, AHA PM Part 5 44-58

**Topics:**
- Cardiovascular Epidemiology and Assessment
- Cardiac Arrest
- Respiratory Arrest Airway Adjuncts, BVM
- Asystole, PEA, Cardiac Arrest Skills
  - Algorithms: Asystole, PEA

**Week 3**

- Read: AHA PM, Part 2, 13-22
- Read: AHA PM, Part 5, 110-119
- Read: AHA PM, Part 3, 25-31
  - Algorithm Quiz Asystole/PEA

**Megacode Practice:**
- CPR with AED, Respiratory Arrest
- Asystole/PEA
- Cardiac Monitor Familiarization
- Defibrillation and Synchronized Cardioversion

**Topics:**
- Effective Resuscitation Team Dynamics
  - Algorithms: Ventricular Fibrillation/Pulseless Ventricular Tachycardia

**Week 4**

- Read: AHA PM, Part 5, 92-109
  - Algorithm Quiz Ventricular Fibrillation

**Megacode Practice:**
- Asystole/PEA

**Topics:**
- Ventricular Fibrillation/Pulseless Ventricular Tachycardia
  - Algorithms: Adult Bradycardias

See Next Page
| Week 5 | Read: AHA PM, Part 5, 120-128 AHA PM, Part 5, 134-139  
  ➢ Algorithm Quiz: Adult Bradycardia  
  Megacode Practice: Adult Bradycardias  
  Dynamic ECG Lab Review  
  ✔ Check Off: Defibrillation, Cardioversion |
|---|---|
| Week 6 | Topics: Electrocardiography, Life Threatening Dysrhythmias, Unusual Dysrhythmias  
  ❖ Algorithms: Tachycardias |
| Week 7 | Algorithm Review |
| Week 8 February 27 | MIDTERM EXAM |
| Week 9 | Read: AHA PM, Part 5, 129-144  
  ➢ Algorithm Quiz: Pulseless Ventricular Tachycardia, Unstable Tachycardia, and Stable Tachycardia  
  Megacode Practice: Pulseless Ventricular Tachycardia  
  Unstable Tachycardia, Stable Tachycardia |
| Week 10 | Read: AHA PM, Part 5, 59-71  
  Topics: Cardiac Ischemia and Infarction< Acute Coronary Syndrome, Angina and Acute Myocardial Infarction, Differentiating Chest Pain |
| Week 11 March 20 | SPRING BREAK (No Classes) |
| Week 12 | Topics: Cardiogenic Shock, Cardiac Tamponade, Congestive Heart Failure and CPAP, Acute Pulmonary Edema  
  Megacode Practice |
| Week 13 | Coronary Circulation and 12 Lead ECGS  
  Early repolarization and other impostors  
  ❖ Algorithm: Acute Coronary Syndromes |
| Week 14 | AHA ACLS Provider Course |
| Week 15 | AHA ACLS Provider Course |
| Week 16 April 24 | FINAL EXAM |

**Final Exam Schedule:** [See UA-PTC Final Exam Schedule]

Disclaimer: This schedule is a guide for the semester. The instructor reserves the right to amend the schedule as necessary.
**EMS 2501 – Cardiovascular Care**  
**Exam Schedule**  
**Spring, 2019**

<table>
<thead>
<tr>
<th>Exam Type</th>
<th>Date</th>
<th>Coverage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Midterm Exam</td>
<td>February 27</td>
<td>Weeks 1-7</td>
</tr>
<tr>
<td>FINAL EXAM</td>
<td>April 24</td>
<td>Comprehensive</td>
</tr>
</tbody>
</table>
Course Agreement Form

Read, complete, and return to instructor:

I have read the course syllabus for Dennis Mitchell’s Cardiovascular Care Course at Pulaski Technical College, and I understand its content. I also understand the rules for the class, and I will follow and abide by these rules, including those relating to attendance, assignments, grading criteria, plagiarism, and behavior.

________________________________________________________
Semester

________________________________________________________
Date

________________________________________________________
Print name

________________________________________________________
Signature

________________________________________________________
UA-UA-PTC Email address

________________________________________________________
Telephone