

Course Syllabus

COURSE: EMSP 2444 Cardiology
 SEMESTER: Spring 2017
 CLASS TIMES: Tuesday 08:30am-11:30pm, Wednesday 08:30-10:30
 INSTRUCTOR: Jacob Braddock LP, AAS
 OFFICE: Reese Center, Building 5, Room 517A
 OFFICE HOURS: Wednesday 1:00-4:00, Thursday 1:00-4:00, Friday 8:30-11:00 or by appointment
 OFFICE PHONE: 806-716-4877
 E-MAIL: jbraddock@southplainscollege.edu
 Facebook: <https://www.facebook.com/SPCEMSprogram>

"South Plains College improves each student's life."

GENERAL COURSE INFORMATION

It is the responsibility of each student to be familiar with the content and requirements listed in the course syllabus.

COURSE DESCRIPTION

This course includes a detailed study of the knowledge and skills necessary to reach competence in pre-hospital cardiology.

STUDENT LEARNING OUTCOMES

At the completion of the semester students will:
1. Understand the roles and responsibilities of a Paramedic within an EMS System.
2. Be able to apply the advanced concepts of development, pathophysiology, cardiology, medical emergencies, traumatic emergencies, and special populations in the assessment and management of emergency patients.
3. Be able to take a history and perform a comprehensive physical exam on any patient and communicate those findings to others.
4. Be able to communicate effectively with patients, co-workers and other health care professionals.
5. Be able to establish and/or maintain a patent airway, oxygenate, and ventilate a patient.
6. Be able to recognize and treat minor and life threatening emergencies of all natures in regards to the pre-hospital setting.

COURSE OBJECTIVES - Outline form (C-1, C-5, C-6, C-7, C-8, C-9, C-12, C-13, C-14, C-18, C-20; F-1, F-2, F-5, F-7, F-8, F-9, F-11, F-12, F-13, F-16, F-17)

At the completion of this course the student will have:
<ul style="list-style-type: none"> The cognitive, psychomotor, and affective competencies in the recognition and treatment of prehospital emergencies.
<ul style="list-style-type: none"> The cognitive, psychomotor, and affective competencies of prehospital patient assessment and airway management emergencies.
<ul style="list-style-type: none"> The cognitive, psychomotor, and affective competencies of prehospital utilization of medications in treating emergency situations.
<ul style="list-style-type: none"> The cognitive, psychomotor and affective competencies of pre-hospital cardiac emergencies at the Paramedic entry-level.

EVALUATION METHODS

Computer-based exams, written exams, written assignments, quizzes, and other projects as assigned.

ACADEMIC INTEGRITY

It is the aim of the faculty of South Plains College to foster a spirit of complete honesty and a high standard of integrity. The attempt of any student to present as his or her own any work which he or she has not honestly performed is regarded by the faculty and administration as a most serious offense and renders the offender liable to serious consequences, possibly suspension.

Cheating - Dishonesty of any kind on examinations or on written assignments, illegal possession of examinations, the use of unauthorized notes during an examination, obtaining information during an examination from the textbook or from the examination paper of another student, assisting others to cheat, alteration of grade records, illegal entry or unauthorized presence in the office are examples of cheating. Complete honesty is required of the student in the presentation of any and all phases of coursework. This applies to quizzes of whatever length, as well as final examinations, to daily reports and to term papers.

Any assignment **0** or **F** will be given on any assignment or test that cheating was utilized. Offender maybe liable for being dropped from the course at the discretion of the instructor.

Plagiarism - Offering the work of another as one's own, without proper acknowledgment, is plagiarism; therefore, any student who fails to give credit for quotations or essentially identical expression of material taken from books, encyclopedias, magazines and other reference works, or from themes, reports or other writings of a fellow student, is guilty of plagiarism.

VARIFICATION OF WORKPLACE COMPETENCIES

Paramedics are expected to know how to read a cardiac monitor and provide treatment based on their training.

BLACKBOARD

Blackboard is an e-Education platform designed to enable educational innovations everywhere by connecting people and technology. This educational tool will be used in this course throughout the semester.

FACEBOOK

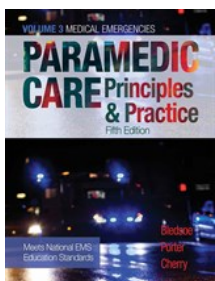
The EMS Program has a Facebook page at <https://www.facebook.com/SPCEMSprogram> In addition to the South Plains College website; this Facebook page will be used to keep students up-to-date on program activities, weather delays, South Plains College announcements and will help with program recruitment. "Liking" the South Plains College EMS Program Facebook page is not mandatory, nor are personal Facebook accounts, in order to access this page.

SCANS and FOUNDATION SKILLS

Refer also to Course Objectives. Scans and Foundation Skills attached

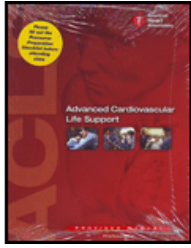
SPECIFIC COURSE INFORMATION

TEXT AND MATERIALS

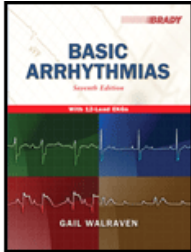


PARAMEDIC CARE-VOL.3

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ADVANCED CARDIOVASCULAR LIFE
ISBN:9781616690106



BASIC ARRHYTHMIAS
ISBN:9780135002384

***Additional Items That Must Be Purchased Each Semester:**

*SPC EMS Program Policy & Clinical Handbook

SPC Program Copy

SPC Bookstore

ADDITIONAL CLASSROOM ITEMS

Students should come to class prepared with pens, pencils, and a spiral notebook for taking notes or completed quizzes or assignments in class. Students should be prepared to take notes over lecture material if they choose.

ATTENDANCE POLICY (*READ CAREFULLY)

Class Attendance

Students are expected to attend all classes in order to be successful in a course. The student may be administratively withdrawn from the course when absences become excessive as defined in the course syllabus.

When an unavoidable reason for class absence arises, such as illness, an official trip authorized by the college or an official activity, the instructor may permit the student to make up work missed. It is the student's responsibility to complete work missed within a reasonable period of time as determined by the instructor. Students are officially enrolled in all courses for which they pay tuition and fees at the time of registration. Should a student, for any reason, delay in reporting to a class after official enrollment, absences will be attributed to the student from the first class meeting.

Students who enroll in a course but have "Never Attended" by the official census date, as reported by the faculty member, will be administratively dropped by the Office of Admissions and Records. A student who does not meet the attendance requirements of a class as stated in the course syllabus and does not officially withdraw from that course by the official census date of the semester, may be administratively withdrawn from that course and receive a grade of "X" or "F" as determined by the instructor. Instructors are responsible for clearly stating their administrative drop policy in the course syllabus, and it is the student's responsibility to be aware of that policy.

It is the student's responsibility to verify administrative drops for excessive absences through MySPC using his or her student online account. If it is determined that a student is awarded financial aid for a class or classes in which the student never attended or participated, the financial aid award will be adjusted in accordance with the classes in which the student did attend/participate and the student will owe any balance resulting from the adjustment.

Due to the importance of the emergency medical information being taught, the instructor of this course defines excessive absences as missing the 3rd class day (or having equivalent tardies) in a course section. A student who meets this criteria will be administratively dropped from the course by the instructor.

- Tardies: (Definition): arriving any time after the class has started or not returning from an approved break after class has started.
- Two tardies will be considered missing one class day and counted as such.
- **Work schedule is not** an excuse for missing class.
- Any exceptions to this policy must be discussed on an individual basis with the course instructor and the EMS Program Director. (i.e. – student hospitalization, immediate family member death, etc.)

ASSIGNMENT POLICY

All assignments must be completed by the assigned due date. **Late and/or incomplete work will not be accepted and a grade of zero will be recorded.** Assignments, quizzes, exams, and skills that are missed due to an unexcused absence may not be made up. See the instructor for more specific information.

COMPUTER USAGE

As computer technology in the field of emergency medical services continues to become more popular, computers will be used in this course for several assignments. All students have access to computers and printers on the South Plains College Reese campus. Students will be expected to utilize computers to access assignments and classroom resources. All registered students are supplied with a working email account from South Plains College. In order to take exams, students must have their user name and password.

ALL STUDENTS ARE EXPECTED TO KNOW THEIR SPC STUDENT USER NAME AND PASSWORD.

COMPUTER LAB USAGE

The computer lab(s) on campus may be used by students during scheduled open hours or as assigned by an instructor. Printer paper will not be provided by SPC EMS department for students to print materials but students may seek assistance from faculty to request lab paper from the college if needed. Lack of computer lab paper is not an excuse for not having homework assignments, skills lab sheets, or any other required documents. Students should come prepared for class.

EXAMS

The majority of student 'written' exams will be administered via computer to prepare them for the National Registry exam and some exams will be handwritten which will encourage memory and mastery of the material. Students should practice proper spelling and grammar when answering a written exam. Additionally, many exam questions will be constructed in the same manner as national registry questions, allowing students to prepare for that testing format.

- **There is only one retest on the Final Exam. There are no retests for Modular Exams.**
- Students requesting a re-test must contact the instructor and schedule a time to come to the Reese campus to take the test.
- Students are required to make a 75% on the final exam or the student must re-take the course.
- A re-test on the final may be offered to the student automatically if they have a clean behavior record for the overall program, i.e.: no absences, tardies, or previously failed exams.
- If they have any of the above, they may go before a committee of the medical director, the Allied Health Chairperson, a counselor, and others to get a decision. – the committee will decide whether the student is eligible for a exam re-take or course re-take.

- The majority of exams are administered in a campus computer lab which must be reserved by the instructor in advance. Students are expected to arrive on time to exams and complete the exams within the time frame allowed.

GRADING POLICY

A minimum of 75% on all exams and assignments is required to receive a passing grade for that exam or assignment. Students must earn an overall grade of 75% or better for each course section to pass that section. ***Due to the nature of two course sections being offered in one semester, two course final exams will be administered during the semester.**

Final semester grades will be based on the following:

Homework	15%
Quizzes	10%
Participation/Lab	5%
Modular Exams	40%
Final Exam	30%

Grading Scale: 90-100	A
80-89	B
75-79	C
70-74	D
69 or Below	F

COURSE COMPLETION CERTIFICATE

Please refer to the most current version of the SPC EMS Program Handbook for eligibility details.

COMMUNICATION POLICY

- Electronic communication between instructor and students in this course will utilize the South Plains College “My SPC” and email systems. I will utilize text messaging and you may communicate with me this way also. The instructor will not initiate communication using private email accounts. Students are encouraged to check SPC email on a regular basis each week of class. Students will also have access to assignments, web-links, handouts, and other vital material which will be delivered via the classroom website. Any student having difficulty accessing the classroom website or their email should immediately contact their instructor for direction. The instructor will work with any student to ensure the student has access to a computer on campus and can obtain the needed class content that is located on the course website.

STUDENT CONDUCT

Rules and regulations relating to the students at South Plains College are made with the view of protecting the best interests of the individual, the general welfare of the entire student body and the educational objectives of the college. As in any segment of society, a college community must be guided by standards that are stringent enough to prevent disorder, yet moderate enough to provide an atmosphere conducive to intellectual and personal development. A high standard of conduct is expected of all students. When a student enrolls at South Plains College, it is assumed that the student accepts the obligations of performance and behavior imposed by the college relevant to its lawful missions, processes and functions. Obedience to the law, respect for properly constituted authority, personal honor, integrity and common sense guide the actions of each member of the college community both in and out of the classroom.

Students are subject to federal, state and local laws, as well as South Plains College rules and regulations. A student is not entitled to greater immunities or privileges before the law than those enjoyed by other citizens. Students are subject to such reasonable disciplinary action as the administration of the college may consider appropriate, including suspension and expulsion in appropriate cases for breach of federal, state or local laws, or college rules and regulations. This principle extends to conduct off-campus which is likely to have adverse effects on the college or on the educational process which identifies the offender as an unfit associate for fellow students.

Any student who fails to perform according to expected standards may be asked to withdraw.

Rules and regulations regarding student conduct appear in the current Student Guide.

SPECIAL REQUIREMENTS (*Read Carefully)

- Students must present a signed original hardcopy of each of the following: syllabus signature page, SPC EMS Program Handbook signature page and SPC EMS Clinical Handbook signature page.
- **These signature pages are due by Thursday of the first week of classes.**
- **Cell Phones** – Cell phones are to be turned OFF or silenced during scheduled class periods. **Text messaging is not allowed during scheduled class/lab times.** Cell phones are to be used outside the classroom or lab only on designated breaks. Students are not allowed to have cell phones on their person during exams. **Students that are caught using cell phone during class without the permission of the instructor will be asked to leave class and will receive an absence for that day.**
- **Class Dress Code** – Due to EMS being a uniformed profession all students will be required to wear their clinical uniform. The uniform must be clean and presentable.
 - a. **Black Pocket pants**
 - b. **Black boots**
 - c. **Gray Polo**
 - d. **Watch with a second hand**
 - e. **Stethoscope (optional)**

WHAT NOT TO WEAR: Any other attire other than that presented above in the Class Dress Code.

- **These guidelines are for your protection due to the nature of the EMS environment and the amount of lifting and moving that will take place in the lab.**
- **If you are employed by a local or regional EMS service, do not wear your uniform, badge, pager, or radio to class as this causes distractions from the teaching environment.**

COURSE DISCLAIMER

Working with the public in emergency situations is stressful and requires a mentally tough individual to provide medical care in the prehospital environment. This course is designed to teach students about real-world situations the EMT – Paramedic may potentially encounter in the ‘field’ while managing patient care.

In order to better prepare students for a career in the Emergency Medical Services profession, there will be times during this course where students will be exposed to training scenarios and situations that will be

unpleasant to the average college student. If the student does not feel they can tolerate this type of learning environment, they should discuss this with me immediately before continuing the course.

Additionally, enrollment in this course does not guarantee a passing grade, successful completion of the paramedic curriculum, or paramedic certification at the national or state level.

SYLLABUS DISCLAIMER

Serious effort and consideration were used in preparing the syllabus presented. While viewed as an educational contract between instructor and student, unforeseen events may cause changes to the scheduling of exercises, quizzes, etc. Every effort will be made NOT to change scheduled items. Nonetheless, SPC EMS instructors reserve the right to make any changes deemed necessary to best fulfill the course objectives. Students registered for this course will be made aware of any changes in a timely fashion using reasonable means.

Jacob Braddock LP,AAS
SPC EMS Instructor

ACCOMMODATIONS

DIVERSITY STATEMENT

In this class, the teacher will establish and support an environment that values and nurtures individual and group differences and encourages engagement and interaction. Understanding and respecting multiple experiences and perspectives will serve to challenge and stimulate all of us to learn about others, about the larger world and about ourselves. By promoting diversity and intellectual exchange, we will not only mirror society as it is, but also model society as it should and can be.

DISABILITIES STATEMENT

Students with disabilities, including but not limited to physical, psychiatric, or learning disabilities, who wish to request accommodations in this class should notify the Disability Services Office early in the semester so that the appropriate arrangements may be made. In accordance with federal law, a student requesting accommodations must provide acceptable documentation of his/her disability to the Disability Services Office. For more information, call or visit the Disability Services Office at Levelland Student Health & Wellness Center 806-716-2577, Reese Center (also covers ATC) Building 8: 806-716-4675, Plainview Center Main Office: 806-716-4302 or 806-296-9611, or the Health and Wellness main number at 806-716-2529.

FOUNDATION SKILLS

BASIC SKILLS—Reads, Writes, Performs Arithmetic and Mathematical Operations, Listens and Speaks

F-1 Reading—locates, understands, and interprets written information in prose and in documents such as manuals, graphs, and schedules.

F-2 Writing—communicates thoughts, ideas, information and messages in writing and creates documents such as letters, directions, manuals, reports, graphs, and flow charts.

- F-3 Arithmetic—performs basic computations; uses basic numerical concepts such as whole numbers, etc.
F-4 Mathematics—approaches practical problems by choosing appropriately from a variety of mathematical techniques.
F-5 Listening—receives, attends to, interprets, and responds to verbal messages and other cues.
F-6 Speaking—organizes ideas and communicates orally.

THINKING SKILLS—Thinks Creatively, Makes Decisions, Solves Problems, Visualizes and Knows How to Learn and Reason

- F-7 Creative Thinking—generates new ideas.
F-8 Decision-Making—specifies goals and constraints, generates alternatives, considers risks, evaluates and chooses best alternative.
F-9 Problem Solving—recognizes problems, devises and implements plan of action.
F-10 Seeing Things in the Mind’s Eye—organizes and processes symbols, pictures, graphs, objects, and other information.
F-11 Knowing How to Learn—uses efficient learning techniques to acquire and apply new knowledge and skills.
F-12 Reasoning—discovers a rule or principle underlying the relationship between two or more objects and applies it when solving a problem.

PERSONAL QUALITIES—Displays Responsibility, Self-Esteem, Sociability, Self-Management, Integrity and Honesty

- F-13 Responsibility—exerts a high level of effort and perseveres towards goal attainment.
F-14 Self-Esteem—believes in own self-worth and maintains a positive view of self.
F-15 Sociability—demonstrates understanding, friendliness, adaptability, empathy and politeness in group settings.
F-16 Self-Management—assesses self accurately, sets personal goals, monitors progress and exhibits self-control.
F-17 Integrity/Honesty—chooses ethical courses of action.

SCANS COMPETENCIES

- C-1 **TIME** - Selects goal - relevant activities, ranks them, allocates time, prepares and follows schedules.
C-2 **MONEY** - Uses or prepares budgets, makes forecasts, keeps records and makes adjustments to meet objectives.
C-3 **MATERIALS AND FACILITIES** - Acquires, stores, allocates, and uses materials or space efficiently.
C-4 **HUMAN RESOURCES** - Assesses skills and distributes work accordingly, evaluates performances and provides feedback.

INFORMATION - Acquires and Uses Information

- C-5 Acquires and evaluates information.
C-6 Organizes and maintains information.
C-7 Interprets and communicates information.
C-8 Uses computers to process information.

INTERPERSONAL—Works With Others

- C-9 Participates as a member of a team and contributes to group effort.
C-10 Teaches others new skills.
C-11 Serves Clients/Customers—works to satisfy customer’s expectations.
C-12 Exercises Leadership—communicates ideas to justify position, persuades and convinces others, responsibly challenges existing procedures and policies.

C-13 Negotiates-works toward agreements involving exchanges of resources; resolves divergent interests.

C-14 Works With Diversity-works well with men and women from diverse backgrounds.

SYSTEMS-Understands Complex Interrelationships

C-15 Understands Systems-knows how social, organizational, and technological systems work and operates effectively with them.

C-16 Monitors and Corrects Performance-distinguishes trends, predicts impacts on system operations, diagnoses systems performance and corrects malfunctions.

C-17 Improves or Designs Systems-suggests modifications to existing systems and develops new or alternative systems to improve performance.

TECHNOLOGY-Works with a Variety of Technologies

C-18 Selects Technology-chooses procedures, tools, or equipment, including computers and related technologies.

C-19 Applies Technology to Task-understands overall intent and proper procedures for setup and operation of equipment.

C-20 Maintains and Troubleshoots Equipment-prevents, identifies, or solves problems with equipment, including computers and other technologies.

South Plains College
Allied Health Division - EMS Programs
Cardiology
Class Schedule (Spring 2017)

Class	Date	Time	Day	Content Area	Exams
Class 1	1.18.17	8:30-10:30	Wednesday	Paramedic Cardiology Course Overview	
Class 2	1.19.17	8:30-10:30	Thursday	Clinical Rotation Policies	
Class 3	1.25.17	8:30-11:30	Wednesday	Cardiac Anatomy & Physiology	
Class 4	1.26.17	8:30-10:30	Thursday	ECG Monitoring	
Class 5	2.1.17	8:30-11:30	Wednesday	Interpretation of Rhythm Strips	
Class 6	2.2.17	8:30-10:30	Thursday	Sinus Rhythms	
Class 7	2.8.17	8:30-11:30	Wednesday	Dysrhythmias in the SA Node	Exam 1
Class 8	2.9.17	8:30-10:30	Thursday	Dysrhythmias in the AV Node	
Class 9	2.15.17	8:30-11:30	Wednesday	Dysrhythmias in the AV Junction	
Class 10	2.16.17	8:30-10:30	Thursday	Dysrhythmias in the Ventricles	
Class 11	2.22.17	8:30-11:30	Wednesday	Artificial Pacemakers	
Class 12	2.23.17	8:30-10:30	Thursday	P.E.A. & Conduction Disorders	
Class 13	3.1.17	8:30-11:30	Wednesday	Assessment of the Cardiac Patient	
Class 14	3.2.17	8:30-10:30	Thursday	General Management of the Cardiac Patient	
Class 15	3.8.17	8:30-11:30	Wednesday	Cardiac Pharmacology	Exam 2
Class 16	3.9.17	8:30-10:30	Thursday	Cardiac Pharmacology	
Class 17	3.22.17	8:30-11:30	Wednesday	Managing Specific Cardiac Emergencies	

Class 18	3.23.17	8:30-10:30	Thursday	Managing Specific Cardiac Emergencies (A.C.S)	
Class 19	3.29.17	8:30-11:30	Wednesday	12 Lead lecture	
Class 20	3.30.17	8:30-10:30	Thursday	Managing Specific Cardiac Emergencies (Angina & AMI)	
Class 21	4.5.17	8:30-11:30	Wednesday	Managing Specific Cardiac Emergencies (Cardiac Arrest)	
Class 22	4.6.17	8:30-10:30	Thursday	ACLS Course Part I	Exam 3
Class 23	4.12.17	8:30-11:30	Wednesday	ACLS Course Part II	
Class 24	4.13.17	8:30-10:30	Thursday	ACLS Course Part III	
Class 25	4.19.17	8:30-11:30	Wednesday	ACLS Course Part IV	
Class 26	4.20.17	8:30-10:30	Thursday	ACLS Course Part V	
Class 27	4.26.17	8:30-11:30	Wednesday	ACLS Course Part VI	Exam 4
Class 28	4.27.17	8:30-10:30	Thursday	Megacode Testing	
Class 29	5.3.17	8:30-11:30	Wednesday	Megacode Testing	
Class 30	5.4.17	8:30-10:30	Thursday	Pre-hospital EKG Monitoring	
Class 31	5.10.17	8:30-11:30	Wednesday	Final Exam	Final Exam



I (print name) _____ have received and read a copy of the syllabus for the **EMS Paramedic Program (EMSP 2444.200 - Cardiology)**. I understand the syllabus and understand that I must comply with all requirements listed within this document to complete the course.

Signature of Student

Date