

Course Syllabus

Summer 2002

EMSP 1355: Trauma Management
EMSP 2544: Cardiology
EMSP 1263: Clinical

TEMPLE COLLEGE PARAMEDIC CLASS VIII

- Course Instructors:** Neil Coker (254) 298-8565 office, (800) 527-2431 PIN 2560 pager
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- Medical Director:** Dan Roberts, MD
Scott & White Hospital, Emergency Medicine
- Course Location:** Room 157, Instructional Services Center, Temple College, Temple, TX
- Required Texts:** Bledsoe, B.E., R.S. Porter, and R.A. Cherry: *Paramedic Care: Principles & Practice, Volume 3: Medical Emergencies* (Prentice Hall, 2000)
- Bledsoe, B.E., R.S. Porter, and R.A. Cherry: *Paramedic Care: Principles & Practice, Volume 4: Traumatic Emergencies* (Prentice Hall, 2000)
- Walraven, Gail: *Basic Arrhythmias*, 5th ed. (Brady, 1999)
- Phalen, T.: *The 12-Lead ECG in Acute Myocardial Infarction* (Mosby Lifeline, 1996)
- American Heart Association: *2000 Handbook of Emergency Cardiovascular Care for Healthcare Providers* (AHA, 2000)
- Recommended Texts:** Any current drug reference (e.g. *2000 Nursing Drug Handbook*)
Any pathophysiology reference
- Course Times:** Tuesday and Thursday evenings, 5:00 p.m. to 10:00 p.m.
Saturdays, as indicated on schedule, 9:00 a.m. to 5:00 p.m.
- Office Hours:** By appointment

Course Descriptions

EMSP 1355: Trauma Management.

A detailed study of the knowledge and skills necessary to reach competence in the assessment and management of patients with traumatic injuries. Prerequisites: EMSP 2348, 1356, 1438, 1162.
Corequisite: EMSP 1263, 2544.

EMSP 2544: Cardiology.

A detailed study of the knowledge and skills necessary to reach competence in the assessment and management of patients with cardiac emergencies. Prerequisites: EMSP 2348, 1356, 1438, 1162. Corequisite: EMSP 1263, 1355.

EMSP 1162: Clinical.

A method of instruction providing detailed education, training, and work-based experience, and direct patient/client care, generally at a clinical site. Specific learning objectives are developed for each course by the faculty. On-site clinical instruction, supervision, evaluation, and placement are the responsibility of the college faculty. Clinical experiences are unpaid external learning experiences. Course may be repeated if topics and learning outcomes vary. Prerequisites: EMSP 2348, 1356, 1438, 1162. Corequisites: EMSP 1355, 2544.

SCANS Competencies

Resources: Identifies, organizes, plans, and allocates resources (time, materials and facilities, human resources).

Information: Acquires and evaluates information (acquires and evaluates information, organizes and maintains information, interprets and communicates information).

Interpersonal: Works with others (participates as member of team, teaches others new skills, serves clients/customers, exercises leadership, negotiates, works with diversity).

Systems: Understands complex interrelationships (understands systems, monitors and corrects performance).

Technology: works with a variety of technologies (selects technology, applies technology to task, maintains and troubleshoots equipment).

Basic Skills: Reads, writes, performs arithmetic and mathematical operations, listens and speaks (reading, writing, arithmetic, mathematics, listening, speaking).

Thinking Skills: Thinks creatively, makes decisions, solves problems, visualizes, knows how to learn, and reasons (creative thinking, decision making, problem solving, Seeing things in the mind's eye, Knowing how to learn, Reasoning).

Personal Qualities: Displays responsibility, self-esteem, sociability, self-management, and integrity and honesty (responsibility, self-esteem, sociability, self-management, integrity/honesty).

Semester Objectives

At the completion of this semester the student will be able to:

1. Integrate pathophysiological principles and assessment findings to formulate a field impression and implement a treatment plan for a trauma patient.
2. Integrate pathophysiological principles and assessment findings to formulate a field impression and implement a treatment plan for a patient with cardiovascular disease.

Course Objectives

Included in the student handouts is a copy of the objectives from the Paramedic National Standard Curriculum that will be covered in EMSP 1355 and 2544. These objectives define the knowledge, skills, and professional attitudes that must be mastered before successful completion of these courses. Course examinations will be based on these objectives.

It is the responsibility of the student to attain mastery of these objectives. This can be accomplished only through active participation in all classroom, laboratory, and clinical exercises and through careful study and review outside of class.

Course Policies

Course policies are consistent with those of the Department (as outlined in the *EMSP Student Handbook*) and the College (as outlined in *the Temple College Student Handbook*). Specific policies are repeated here for clarification.

Disability Services: Temple College will take the steps required for reasonable accommodation to ensure that no individual with a disability is excluded, denied service, segregated,

or otherwise treated differently than other individuals because of the absence of auxiliary aids and services. Support assistance may include notetakers, interpreters for the deaf, tutoring, counseling and advising, special arrangements, tape recorders, etc. Persons requesting disability services should complete a request for services by contacting the Office of Special Support Services. In many cases, recent documentation of disability may be required.

The Bureau of Emergency Management of the Texas Department of Health administers a separate process from the one used by Temple College for determining whether accommodations for disabilities will be granted during State credentialing examinations. The Bureau of Emergency Management will establish eligibility for accommodations on a case-by-case basis. Therefore, a student who receives an accommodation during an EMSP course has no guarantee of receiving an accommodation for the State credentialing exam.

Attendance: Your attendance and **active** participation in class are an integral component of not only your educational experience but also that of your classmates. Because of this, it is critical that you attend all classes and labs. However, we recognize that as an adult you are in the best position to decide what is in your best interest on any particular day. We also recognize that this is **YOUR** class. With that in mind, we will let you, as a class, decide what the attendance policy will be. We will discuss this on the first night of class and then adopt the policy for which the majority of the class votes.

Clinical Attendance: While we have significant leeway to determine classroom attendance, we are restrained in determining our clinical attendance policy by state and national accreditation standards, as well as the requirements of our clinical sites. Therefore, clinical absences may affect your clinical grade as described in the grading policy. Additionally, it is important that you complete all of your clinical paperwork in a timely manner. To encourage this, **all clinical paperwork will be due to the clinical coordinator by the end of the 7th calendar day after the clinical is completed.**

Clinical Scheduling: You will be responsible for scheduling all of your clinical experiences through the clinical coordinator. Required clinical rotations are listed in this syllabus. Unscheduled clinical rotations may NOT be counted toward satisfying course requirements. Repeated failure to follow EMSP Department policies regarding scheduling of clinical rotations may result in dismissal from the program.

Student Employment: While students may be employed in or volunteer in the clinical setting outside of regular instructional hours, they may count time, procedures, and patient contacts toward course completion requirements **only if they are functioning in the capacity of a student on a scheduled clinical rotation.**

Hospital employees may **NEVER** count on-duty activity toward clinical rotations. Students who work or volunteer for an EMS provider with whom the EMSP Department has a clinical affiliation agreement are strongly encouraged to complete mobile intensive care unit and field internship requirements with another provider. If they must complete clinical requirements with their employer, **they must clearly be an additional member of the crew, functioning in the capacity of a student, and listed on the clinical rotation schedule.** As an example, if a service normally runs with a two-member crew, a student may not be the second member of that crew and count this as a clinical rotation.

A student who knowingly attempts to count on-duty time in the clinical setting toward completion of course requirements will, at a minimum, be

required to repeat the clinical rotations. Depending on the circumstances, the student may be dropped from the program.

A student may **NEVER** substitute for clinical or EMS agency personnel. Any procedures beyond the scope of the student's current level of EMS certification must be performed under the direct supervision of a preceptor or personnel from the clinical unit to which the student is assigned.

Exams: Make-up examinations or retests must be taken within 7 calendar days of the class date on which that exam is returned to the class, **OR BEFORE** the date of the next scheduled exam, whichever comes first. If an exam retest is necessary, the recorded grade will be a maximum of 79.

Withdrawing: You have the responsibility to formally withdraw from a course if you determine you will not be able to complete. If you fail to do so, you may receive a failing grade. You must drop the class according to the procedures outlined in the Temple College *Student Handbook*. Failure to follow proper procedures in withdrawing from course may jeopardize your opportunity to enroll in future EMSP Department courses.

Program Completion: The passing score for all EMSP courses is a 'C' as defined by the EMSP Department. You must also pass each module exam, or a retest, in accordance with the "Exams" policy stated above or you will not be allowed to continue in the program.

In addition to completion of all course requirements, graduation from the program requires successful completion of all clinical requirements, verification of all required skills, demonstration of required clinical competencies, and successful completion of ACLS, PHTLS, and PALS. **To establish eligibility to write a State certification examination you must meet ALL requirements established by the program in which you are enrolled. Meeting the minimum requirements established by the Texas Department of Health does NOT establish eligibility for certification.**

Clinical Requirements

A **minimum** of the following must be completed before the end of the semester:

<u>Clinical Department</u>	<u>Minimum Required Clock Hours</u>
Emergency Department	24 hours
Operating Room	2 shifts (~4 hours each) 8 hours
Mobile Intensive Care Unit	64 hours
Total	96 hours

In addition to the minimum hours listed above, you also will need to complete:

- Certain clinical patient contacts as defined in the Department Handbook.
- Clinical competencies in patient assessment, endotracheal intubation, IV drug administration and nebulized drug administration.
- Field competency in IV therapy.

Students who do not meet these requirements in the minimum required hours, will be required to schedule additional rotations. Also, preceptors have the authority to require students to schedule additional rotations if they have not yet demonstrated competence in the required cognitive, psychomotor, or affective objectives.

Grading

Grading Scale:

Grades in all EMSP lecture/laboratory courses are based on the following scale:

89.5 – 100	A
80.5 – 89.4	B
79.5 – 80.4	C
69.5 – 79.4	D
0 – 69.4	F

Lecture Grades:

You will receive a separate grade in each lecture course. Your grades in EMSP 1356, EMSP 1438, EMSP 2348 will be identical based on the following schedule:

Study Guides	5%
Drug Quizzes	10%
Trauma Exam	15%
Monitoring Lead Interpretation Exam	15%
Cardiac Assessment and Management Scenario Exam	15%
12-Lead Interpretation Exam	15%
Cardiology Comprehensive Exam	15%
Paper	10%
Laboratory	P/F
Trauma Scenario Exam	P/F
Cardiology Scenario Exam	P/F
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Total	100%

Laboratory Grades:

The laboratory sections of EMSP 1355 and 2544 do not receive a separate grade, however, your active participation is important. During laboratory sessions skills proficiency will be verified on a pass/fail basis. Students must verify proficiency in all required skills and the ability to integrate assessment and management skills during scenario testing. Students who do not demonstrate proficiency on an initial attempt will be provided with remediation and given two additional opportunities to demonstrate proficiency. Students who do not demonstrate proficiency after three attempts will receive an F, and will not be eligible to continue in the program.

Study Guides:

Completion of the study guides for each examination will constitute 5% of your grade. Each study guide will be due at the beginning of the class period during which the corresponding examination is given. Your responses will be evaluated for accuracy, completeness, and legibility. After a grade is assigned, they will be returned to you. Late assignments will not be accepted and will be recorded as a grade of "0."

Research Paper:

Each of the first three semesters of the paramedic program includes a research activity to develop student skill in accessing and reading the medical literature and writing technical reports. A description of the first semester research activity accompanies this syllabus. The paper is due on the date indicated on the course schedule. Late papers or papers that do not meet all conditions of the assignment will not be accepted and will receive a grade of "0."

Clinical Grades:

Your clinical grade will be determined by your participation in clinical rotations. You begin the clinical course with a grade of 100%. Your course grade will be reduced by 5% for each clinical absence. ***This means you may not continue in the program if you accrue more than 4 clinical absences of any type as defined in the course policies, including late paperwork! Clinical paperwork submitted more than 7 calendar days after the date of the rotation counts as a clinical absence.***

It is important that you attend your clinical rotations on the date that you are assigned. If you need to cancel and reschedule a rotation, you may do so by contacting the clinical coordinator in advance of the rotation. You will be allowed two 'free' cancellations. Each cancellation after that will count as a clinical absence. **Should you not appear for a rotation without prior notification, this will count as TWO clinical absences.**

Additionally, the minimum required clinical rotations must be completed by the end of the semester. If the minimum required clinical rotations are not completed by the date of the final exam, the student's clinical grade will be no greater than a "C". If the minimum required clinical rotations are not completed by the starting date of the next semester, the student will receive an "F" for the clinical course grade. He/she will not be eligible to receive a course completion certificate or continue to the next semester of the EMSP program.

Grading Worksheet

Study Guides		X0.05	
Drug Quizzes		X0.10	
Trauma Exam		X0.15	
Monitoring Lead Interpretation Exam		X0.15	
Cardiac Scenario Assessment and Management Exam		X0.15	
12-Lead Interpretation Exam		X0.15	
Cardiology Comprehensive Exam		X0.15	
Paper		X0.10	
Laboratory		P/F	
Trauma Scenario Exam		P/F	
Cardiology Scenario Exam		P/F	
Average			