

Bossier Parish Community College
Master Syllabus

Course Prefix and Number: EMTP 205

Credit Hours: 5

Course Title: Treatment of the Medical Patient I

Course Prerequisites: EMTP 203

Textbooks: Bledsoe, Paramedic Care Principles and Practice Volume 3, 5th edition
American Heart Association, Handbook of Emergency Cardiovascular Care,
Current Edition
American Heart Association, ACLS For Experienced Providers, Current Edition

Course Description:

Integration of the pathophysiological principles of the cardiovascular system with assessment findings to formulate a field impression and implement a treatment plan for the cardiac patient. Integrated lecture and laboratory instruction. In order to register for EMTP 201 - EMTP 215 student must have been selected for the program.

Learning Outcomes:

- A. At the end of this course, the paramedic student will demonstrate the knowledge, skill and ability to manage a patient with a cardiac related complaint in the out of hospital environment.
- B. During this course, the student will demonstrate the ability to calculate a medication dosage for an intravenous injection and an intravenous medication infusion.
- C. At the end of this course, the paramedic student will be able to utilize research skills to gather and interpret information in order to answer clinical questions.

To achieve the learning outcomes, the student will

1. Demonstrate professional behavior consistent with the BPCCC Paramedic Program Code of Conduct.
2. Demonstrate the knowledge, skill and ability to interpret an electrocardiographic tracing and use that interpretation to guide appropriate management of a simulated patient.
3. Demonstrate the ability to calculate the dose of an intravenous medication injection and intravenous medication infusion.
4. Demonstrate the knowledge, skill and ability to manage a simulated cardiac arrest patient while meeting the criteria on an approved skill sheet.
 - 4.1. Demonstrate knowledge of the drugs used to treat cardiac arrest patients by passing a written assessment that includes questions related to the drug's mechanism of action, indications, contraindications, dosage, route and side effects.

- 4.2. Perform defibrillation on a simulated patient while meeting the criteria on an approved skill sheet.
5. Demonstrate the knowledge, skill and ability to manage a simulated patient with a rate-related cardiac complaint while meeting the criteria on an approved skill sheet.
 - 5.1. Demonstrate knowledge on drugs used to treat patients with a rate-related cardiac complaint by passing a written assessment that includes questions related to the drug's mechanism of action, indications, contraindications, dosage, route and side effects.
 - 5.2. Initiate transcutaneous pacing on a simulated patient while meeting the criteria on an approved skill sheet.
 - 5.3. Perform synchronized cardioversion on a simulated patient while meeting the criteria on an approved skill sheet.
 - 5.4. Perform or instruct a simulated patient to perform a vagal maneuver..
6. Demonstrate the knowledge, skill and ability to manage a simulated patient in cardiogenic shock while meeting the criteria on an approved skill sheet.
 - 6.1. Demonstrate knowledge of the drugs used to treat patients in cardiogenic shock by passing a written assessment that includes questions related to the drug's mechanism of action, indications, contraindications, dosage, route and side effects.
7. Demonstrate the knowledge, skill and ability to manage a simulated patient complaining of symptoms suggestive of cardiac ischemia while meeting the criteria on an approved skill sheet.
 - 7.1. When presented with a 12 ECG tracing, the student will be able to recognize an ST elevation myocardial infarction and localize the area of ischemia.
 - 7.2. Demonstrate knowledge of the drugs used to treat cardiac ischemia patients by passing a written assessment that includes questions related to the drug's mechanism of action, indications, contraindications, dosage, route and side effects.
 - 7.3. List conditions, beside myocardial infarction, that produces signs and symptoms suggestive of ischemia.
8. Demonstrate knowledge of the anatomy, physiology, pathophysiology, presentations, psychological impact, prognosis and management of non-traumatic cardiac tamponade.
9. Demonstrate knowledge of the anatomy, physiology, pathophysiology, presentations, psychological impact, prognosis and management of a hypertensive emergency.
10. Demonstrate knowledge of the anatomy, physiology, pathophysiology, presentations, psychological impact, prognosis and management of abdominal aortic aneurysm.
11. Demonstrate knowledge of the anatomy, physiology, pathophysiology, presentations, psychological impact, prognosis and management of arterial occlusion.
12. Demonstrate knowledge of the anatomy, physiology, pathophysiology, presentations, psychological impact, prognosis and management of venous thrombosis.
13. Demonstrate knowledge of the anatomy, physiology, pathophysiology, presentations, psychological impact, prognosis and management of aortic aneurysm and dissection.

14. Demonstrate knowledge of the anatomy, physiology, pathophysiology, presentations, psychological impact, prognosis and management of thromboembolism.
15. Demonstrate knowledge of the anatomy, physiology, pathophysiology, presentations, psychological impact, prognosis and management of endocarditis .
16. Demonstrate knowledge of the anatomy, physiology, pathophysiology, presentations, psychological impact, prognosis and management of pericarditis.
17. Demonstrate knowledge of the anatomy, physiology, pathophysiology, presentations, psychological impact, prognosis and management of congenital cardiac abnormality.
18. Utilize your knowledge of research principles to create an annotated bibliography that will answer a clinical question.

Course Requirements

To earn a grade of “C” or higher the student must earn 70% of the total points for the course and meet all of the following course requirements.

- Attend 90% of all class sessions.
- Score a minimum of 33 on the Paramedic Program Affective Evaluation with no topic area receiving a score of 2 or less.
- Pass the final written exam.
- Pass the Therapeutics exam.
- Demonstrate competency in all assigned lab skills
- Pass Advanced Cardiac Life Support.
- Must have a C or above to continue in the Paramedic Clinical Program

Course Grading Scale:

A- 90% or more of all possible points and meet the Course Requirements.

B- 80% or more of all possible points and meet the Course Requirements

C- 70% or more of all possible points and meet the Course Requirements

D- 60% or more of all possible points and meet the Course Requirements

F- less than 60% of all possible points or fail to meet the Course Requirements

Attendance Policy: The college attendance policy, which is available at <http://www.bpsc.edu/catalog/current/academicpolicies.html>, allows that “more restrictive attendance requirements may apply to some specialized classes such as laboratory, activity, and clinical courses because of the nature of those courses.” The attendance policy of the Paramedic program is described in the Paramedic Clinical Handbook.

Nondiscrimination Statement

Bossier Parish Community College does not discriminate on the basis of race, color, national origin, gender, age, religion, qualified disability, marital status, veteran's status, or sexual orientation in admission to its programs, services, or activities, in access to them, in treatment of individuals, or in any aspect of its operations. Bossier Parish Community College does not discriminate in its hiring or employment practices.

COORDINATOR FOR SECTION 504 AND ADA

Angie Cao, Student and Disability Services Specialist

Disability Services, F254, 6220 East Texas Street, Bossier City, LA 71111

318-678-6511

acao@bpcc.edu

Hours: 8:00 a.m.-4:30 p.m. Monday - Friday, excluding holidays and weekends.

Equity/Compliance Coordinator

Teri Bashara, Director of Human Resources

Human Resources Office, A-105

6220 East Texas Street

Bossier City, LA 71111

Phone: 318-678-6056

Hours: 8:00 a.m.-4:30 p.m. Monday - Friday, excluding holidays and weekends.

Reviewed by J. Anderson/ June 2021