

Bossier Parish Community College
Master Syllabus

Course Prefix and Number: EMTP 201

Credit Hours: 4

Course Title: Introduction to Paramedic

Course Prerequisites: BLGY 230, BLGY 231 and acceptance into the Paramedic clinical program

Textbooks: Bledsoe, Paramedic Care: Principles and Practice Volume 1, 5th edition

Course Description:

Roles and responsibilities of a paramedic within the EMS system, application of basic concepts of development, pathophysiology, pharmacology, administration of medication, and patient communication. 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 be able to describe the ethical, legal and regulatory environment in which the EMS professional practices.
- B. At the end of this course the paramedic student will be able to demonstrate the knowledge, skill and ability administer medications safely.
- C. At the end of this course, the paramedic student will be able to demonstrate a basic understanding of EMS research, pathophysiology and life span development.

To achieve the learning outcomes, the student will

- 1. Demonstrate professional behavior consistent with the BPCC Paramedic Program Code of Conduct.
- 2. Demonstrate the knowledge required to function as a part of an EMS System.
 - 2.1. List and describe the events that led up to the establishment of the EMS system in the United States.
 - 2.2. List and describe the components of a modern EMS system.
 - 2.3. List the roles and responsibilities of a paramedic.
 - 2.4. Describe the quality improvement process.
 - 2.5. Explain how the paramedic participates in the quality improvement process.
 - 2.6. Describe ways that a paramedic may ensure a patient's safety.
- 3. Demonstrate the knowledge and ability to function safely in the role of paramedic and to ensure continued wellness during a career.
 - 3.1. Describe how a paramedic can stay safe at work.
 - 3.2. Explain standard safety precautions that a paramedic should take.

- 3.3. Demonstrate the ability to put on and remove personal protective equipment.
 - 3.4. Explain ways that a paramedic can manage stress from all causes including death and dying.
 - 3.5. Describe how a paramedic can prevent work-related injuries.
 - 3.6. Describe how a paramedic can prevent disease transmission.
 - 3.7. Describe steps that a paramedic can take to ensure wellness.
4. Demonstrate the knowledge, skill and ability to communicate within an EMS system.
 - 4.1. Describe how to use radios to communicate with other EMS units and public safety responders.
 - 4.2. List the contents of a hospital radio report and handover report.
 - 4.3. List and describe techniques that can be used to facilitate clear communication within the EMS team.
5. Demonstrate the knowledge, skill and ability to communication with patients and their families.
 - 5.1. List and describe factors that affect communication.
 - 5.2. Demonstrate effective interviewing techniques.
 - 5.3. Describe ways to deal with difficult patients.
 - 5.4. Compare and contrast communication strategies that can be used for patients of different ages, stages of development, needs and cultures.
6. Demonstrate the knowledge, skill and ability to function as a paramedic in the legal and regulatory environment that applies to EMS.
 - 6.1. Explain how you would obtain consent to treat a patient.
 - 6.2. Explain how you would maintain the confidentiality of your patient.
 - 6.3. Describe how you would determine that an advanced directive is valid.
 - 6.4. Compare and contrast civil and criminal law.
7. Integrate knowledge of pathophysiology in the assessment and treatment of a simulated patient.
8. Integrate knowledge of human life span development into the assessment and treatment of a simulated patient.
9. Applies fundamental knowledge of principles of public health and epidemiology including public health emergencies, health promotion and illness and injury prevention.
10. Demonstrate an adequate understanding of the principles of pharmacology.
 - 10.1. Describe the characteristics of drugs that affect the central nervous system.
 - 10.2. Describe the characteristics of drugs that affect the autonomic nervous system.
 - 10.3. Describe the characteristics of drugs that affect the respiratory system.
 - 10.4. Describe the characteristics of drugs that affect the gastrointestinal system.
 - 10.5. Describe the characteristics of drugs that affect the endocrine system.
 - 10.6. Describe the characteristics of drugs that are used to treat poisonings.

11. Demonstrate the knowledge, skill and ability to administer medications to a simulated patient.
 - 11.1. Perform intravenous cannulation on a simulated patient while meeting the criteria on an approved skill sheet.
 - 11.2. Perform intramuscular medication administration on a simulated patient while meeting the criteria on an approved skill sheet.
 - 11.3. Perform subcutaneous medication administration on a simulated patient while meeting the criteria on an approved skill sheet.
 - 11.4. Perform intravenous bolus medication administration on a simulated patient while meeting the criteria on an approved skill sheet.
 - 11.5. Perform intravenous infusion medication administration on a simulated patient while meeting the criteria on an approved skill sheet.
 - 11.6. Perform inhaled medication administration on a simulated patient while meeting the criteria on an approved skill sheet.
 - 11.7. Perform intranasal medication administration on a simulated patient while meeting the criteria on an approved skill sheet.
 - 11.8. Withdraw medication from an ampule.
 - 11.9. Withdraw medication from a vial.
 - 11.10. Utilize a prefilled syringe to inject a medication into a simulated patient.
 - 11.11. Calculate the drip rate for an infusion of intravenous fluid.
 - 11.12. Calculate the drip rate for an infusion a medication that is mixed into intravenous fluid.
 - 11.13. Calculate the amount of fluid required to administer the correct dose of a parenteral medication.
12. Create a profile for a medication containing the following items: the trade and generic name, the mechanism of action, the indications and contraindications for administering the drug, the side effects and complications from administering the drug, the dosages and routes of administration and any interactions.

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.

- Pass the comprehensive final exam.
- Pass the dosage calculation exam.
- Complete the BPCC Paramedic Student Minimum Competencies for this course.
- 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.bpcc.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.

Course Fees: This course is accompanied with an additional non-refundable fee for supplemental materials, laboratory supplies, certification exams and/or clinical fees.

Nondiscrimination Statement

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COORDINATOR FOR SECTION 504 AND ADA

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Reviewed by J. Anderson / May 2022