Course Syllabus

Department: Physical Education and Integrated Health

Date: April 8, 2014

I. Course Prefix and Number: EMCR 196

Course Name: Paramedic II

Credit Hours and Contact Hours: 16 credit hours/20 contact hours

Catalog Description including pre- and co-requisites: supporting data required for grade prerequisite of 'C' or higher.

The Paramedic II course continues from Paramedic I covering the parameters that a paramedic operates within while providing appropriate care in the pre-hospital setting.

Topics include medical emergencies frequently covered in the pre-hospital setting, with an emphasis on pathophysiology and management. Topics on abdominal, genitourinary, neurological, behavioral and respiratory emergencies will be instructed. Included will be basic anatomy, physiology and pathophysiology of the endocrine system, including allergies, anaphylaxis, toxicology, hematology, pulmonology and infectious diseases. Also covered will be behavioral and environmental emergencies.

Also included in this course the student will study trauma to the various body systems, including burns, along with the kinematics and mechanism of injury. Students will also be prepared for certification in International trauma Life Support. Also covered will include scene management in various situations. Topics included will be providing care to geriatric patients emotional and psychological emergencies, patients with disabilities and addressing emergency care to patients involved in abuse, assault, and domestic violence. Students will study ambulance and rescue operations, along with the Medical Incident Command System.

During this course students will be required to complete clinical requirements including pediatric emergency departments, pediatric intensive care units, obstetrics, medical/surgical intensive care units, adult care and emergency departments shadowing with physicians and nurses.

Also, students will be required to complete all remaining clinical requirements, along with the necessary requirements for field clinical experience by riding with approved advanced life support units and preceptors. At the end of this semester, the student will meet with the Paramedic Review Committee to determine eligibility to take the New York State Department of Health Practical and Written Exam.

Prerequisites: Must hold a minimum certification of a NYS EMT and maintain that certification throughout the entire program. Student must be accepted into the Paramedic Certification Program. Student must have successfully completed Paramedic I.
Relationship to Academic Programs and Curriculum including SUNY Gen Ed designation if applicable:

This is the second course of two consecutive courses to complete the EMT-Paramedic Certificate Program. The EMT-Paramedic Certificate Program is also part of the AAS EMT-Paramedic Program.

II. Course Student Learning Outcomes: State the student learning outcome(s) for the course (e.g. Student will be able to identify…)

The student will:

* Identify assessment findings with principles of epidemiology and pathophysiology to formulate a field impression.
* Implement a comprehensive treatment/disposition plan for a patient with a medical complaint, special needs.
* Demonstrate and interpret comprehensive knowledge of causes and pathophysiology into the management of cardiac arrest and peri-arrest states.
* Identify and manage comprehensive knowledge of the causes and pathophysiology into the management of shock, respiratory failure or arrest with an emphasis on early intervention to prevent arrest.
* Interpret and apply assessment findings with principles of epidemiology and pathophysiology to formulate a field impression to implement a comprehensive treatment plan for an acutely injured patient.
* Demonstrate and apply knowledge of operational roles and responsibilities to ensure safe patient, public and personnel safety.

College Learning Outcomes Addressed by the Course: (check each College Learning Outcome addressed by the Student Learning Outcomes)

□ writing          □ computer literacy
☒ oral communications □ ethics/values
☒ reading           □ citizenship
☒ mathematics       □ global concerns
☒ critical thinking  □ information resources

III. Assessment Measures (Summarize how the college and student learning outcomes will be assessed): For each identified outcome checked, please provide the specific assessment measure.

<table>
<thead>
<tr>
<th>List identified College Learning Outcomes(s)</th>
<th>Specific assessment measure(s)</th>
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<tbody>
<tr>
<td>Oral Communications</td>
<td>Classroom and Lab scenarios, quizzes and exams. Hospital and Ride Clinical Evaluations. NYS/National Registry Practical and Written Exams.</td>
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<tr>
<td>Reading</td>
<td>Classroom quizzes and exams. Lab practice.</td>
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IV. Instructional Materials and Methods

**Types of Course Materials:**

Textbooks, Various EMS Equipment – i.e. Sinman Manikin, Cardiac Monitors, Simulations, Medications, Scenarios,

**Methods of Instruction (e.g. Lecture, Lab, Seminar ...):**

Lecture, Classroom Labs, Hospital Clinicals – i.e. Nursing Home Shadow, Nurse Shadow, MD Shadow, ICU/CCU/MICU Shadow, Burn ICU, Labor & Delivery, Pediatric ED/ICU.

V. General Outline of Topics Covered:

Neurology
Abdominal and Gastrointestinal Disorders
Immunology
Infectious Diseases
Endocrine Disorders
Psychiatric
Toxicology
Respiratory
Cardiovascular
Hematology
Genitourinary/Renal
Gynecology
Non-Traumatic Musculoskeletal Disorders
Diseases of the Eyes, Ears, Nose and Throat
Environmental Emergencies
Obstetrics
Neonatal Care
Pediatrics
Geriatrics
Patients with Special Challenges
Shock and Resuscitation
Trauma Overview
Bleeding
Chest Trauma
Abdominal and Genitourinary Trauma
Orthopedic Trauma
Soft Tissue Injury
Head, Facial, Neck and Spine Trauma
Nervous System Trauma
Special Considerations in Trauma
Multi System Trauma
Principles of Safely Operating a Ground Ambulance
Incident Management
Multiple Casualty Incidents
Air Medical
Vehicle Extrication
Hazardous Materials Awareness
Mass Casualty Incidents due to Terrorism and Disaster

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