

WILLIAM RAINEY HARPER COLLEGE
HEALTH CAREERS DIVISION
NORTHWEST COMMUNITY HEALTHCARE PARAMEDIC PROGRAM
COURSE SYLLABUS

EMS	211	PARAMEDIC MEDICAL EMERGENCIES I	(5-1)	5
Course Prefix	Course Number	Course Title	(Lec-Lab)	Semester Hours

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Dates of class: September 14, 2020 – December 18, 2020 (see Academic calendar)

Location: NCH; Learning Center rooms 3&4 or Virtual (Zoom)

Prerequisite: EMS 210 with a grade of C or better

Co-requisite: EMS 217: Hospital clinical rotations

COURSE DESCRIPTION

EMS 211 provides comprehensive coverage of acute and chronic respiratory disorders, acute and chronic cardiovascular disorders, cardiac arrest management, and ECG interpretation and must be passed to continue in the program. Content and objectives are mapped to the National EMS Education Standards and National EMS Scope of Practice Model.

TOPICAL OUTLINE

- Anatomy, physiology, epidemiology, pathophysiology, psychosocial impact, clinical presentations, prognosis, and management of acute and chronic pulmonary conditions including, but not limited to, hyperventilation syndrome, spontaneous pneumothorax, non-cardiogenic pulmonary edema, pulmonary emboli, pneumonia, upper and lower respiratory infections, lung cancer, asthma, and obstructive/restrictive pulmonary diseases
- Cardiac A&P, epidemiology, pathophysiology, psychosocial impact, clinical presentations, prognosis, and management of cardiovascular disorders including, but not limited to, acute coronary syndromes, heart failure, cardiogenic pulmonary edema, non-traumatic cardiac tamponade, hypertensive emergencies, cardiogenic shock, vascular disorders, abdominal aortic aneurysm, arterial occlusion, venous thrombosis, aortic aneurysm/dissection, thromboembolism, cardiac rhythm disturbances, infectious diseases of the heart and congenital abnormalities.

METHODS OF PRESENTATION

- Lecture; student and instructor-led discussions
- Student-centered learning activities: Case studies; simulations, scenarios, role playing
- Guided practice: Demonstrations; return demonstrations in precepted lab environment
- Independent practice: Reading text, completing homework questions and MyLab™ assignments

STUDENT OUTCOMES: *(The student will...)*

1. explain the anatomy, physiology, epidemiology, pathophysiology, psychosocial impact, clinical presentations, prognosis, and management of acute and chronic pulmonary conditions at a complex depth and comprehensive breadth without critical error.
2. explain the anatomy, physiology, epidemiology, pathophysiology, psychosocial impact, clinical presentations, prognosis, and management of acute and chronic cardiovascular disorders at a level of complex depth and comprehensive breadth without critical error.
3. demonstrate complex depth and comprehensive breadth of understanding and psychomotor mastery at the precision level in obtaining and using information from patient monitoring devices including, but not limited to: ECG rhythm and 12 lead ECG acquisition, interpretation and transmission; transcutaneous pacing; synchronized cardioversion; defibrillation; monitoring of ventricular assist devices; implantable cardioverter defibrillators; evidence-based cardiac arrest management; and performing psychomotor skills relative to

respiratory and cardiac care contained in the national scope of practice model, those adopted by IDPH, and as specified in the Program Procedure Manual without critical error.

4. characterize the professional behaviors stated in the program affective objectives.

METHODS OF EVALUATION

- Formative and summative evaluation of student performance in all domains of learning
 - Cognitive objectives: quizzes; modular written examination
 - Psychomotor objectives: Precepted labs; practical exams
 - Affective objectives: Observation against criterion based rubric
- Student evaluation of program and faculty

COURSE GRADING POLICIES: Specified in the NCH Paramedic Program Student Handbook.

ASSIGNMENTS

- Daily: assigned text, handout readings are listed in the Academic Calendar and on each topic handout
- Homework questions for each topic should be completed as independent. Instructor will inspect completed questions every morning and note any incomplete work.
- Additional text, quiz questions and case studies will be assigned and tracked for 100% completeness in MyLab™ BRADY.
- Individual or group projects/assignments/presentations are defined in the class Academic Calendar.

ATTENDANCE POLICY

Because of the critical nature of the content and full time schedule of the course, students are expected to attend every class, lab and exam on the days and times they are offered. If a student needs to miss class due to an excused illness, they may attend virtually via Zoom. If too ill to participate in class, an individualized makeup plan will be implemented that the student must complete by the specified date. If a student completely misses three or more full days of class, is tardy three or more times, or fails to complete makeup assignments as outlined, they will be subject to a corrective action plan which may include separation from the program. Specific class attendance requirements are specified in the NCH Paramedic Program Student Handbook.

MAKE UP EXAMS/ASSIGNMENTS: Specific information relative to missed or late exams, quizzes or assignments is contained in the NCH Paramedic Program Student Handbook.

STUDENT BEHAVIOR:

Information relative to civil, courteous and professional behaviors including, but not limited to, integrity, honesty, empathy, self-motivation, appearance and personal hygiene, self-confidence, communication, time management, teamwork, diplomacy, attitude, respect, patient advocacy, and use of electronic and social media, is specified in the NCH Paramedic Program Student Handbook posted at www.nwcemss.org and Harper College Student Handbook posted at <https://myharper.harpercollege.edu/pls/portal/url/ITEM/937272F78B81316DE0402E0A0A2A3059>. Information relative to guided study, corrective coaching, disciplinary procedures, and student resources is also included in the NCH Paramedic Program Student Handbook.

TEXTBOOK: Bledsoe, B.E., Porter, R.S., Cherry, R.A. (2017). Paramedic Care: Principles & Practice, Vols. 1-5 (5th Edition). New York, Pearson. ISBN-13: 978-0134575964; ISBN-10: 0134575962
PLUS subscription to MyLab™ BRADY

MATERIALS: Personal electronic device for in class use (not a cell phone). If needing to attend virtually, will need a laptop/desktop computer, or equivalent with camera and speaker capabilities and a reliable high speed internet connection that will allow them to use Zoom.

EQUAL OPPORTUNITY:

The Paramedic Program does not discriminate on the basis of race, color, religion, sex, national origin, ancestry, age, marital status, sexual orientation, disability, or unfavorable discharge from military service as long as the candidate meets statutory and regulatory requirements of licensure as a paramedic in the State of Illinois and is able to perform all the essential functions of the paramedic profession during the course with or without reasonable accommodation (See student handbook for essential job functions of a paramedic).

STUDENTS WITH DISABILITIES and Academic Accommodations:

If you have a disability (learning, ADHD, physical, psychological or other) and are requesting an accommodation, please contact the Course Program Director at the *beginning* of the course to discuss. Students with disabilities should also contact Harper College Access and Disability Services (ADS) to discuss reasonable accommodations. Any student already connected with ADS should provide the Course Program Director a copy of your approved Accommodation Plan. The Program will consider the requests and make a determination on a case by case basis. Access and Disability Services is located in Building D, D119; on the Harper College campus; 847.925.6266 (voice) or 224.836.5048 (videophone for deaf and hard of hearing callers only).

STUDENT E-MAIL NOTIFICATIONS: All notifications related to student registration or other Harper College business activities are sent to students via G-mail account that is assigned to students upon registration. Students access the G-mail account via an icon in the student portal (where you registered for classes). Please check this e-mail frequently. To forward e-mails from this account to a personal e-mail account please follow the instructions for forwarding Harper e-mail available to <http://harper.blackboard.com/> . Students must provide the NWC EMSS office with an e-mail address to be used for all direct correspondence relative to class academic and clinical activities.

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