

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 Connie J. Mattera, M.S., R.N., PM Program Director Michael Gentile, BA, PM; Lead Instructor Northwest Community Hospital (NCH) 800 W. Central Rd; EMS Offices in Behavioral Health/901 Kirchoff Center Arlington Heights, IL 60005 Office hours: M-F 0800-1700 Phone: 847.618.4482 (Secretary) #4490 (Mr. Gentile) cmattera@nch.org or mgentile@nch.org	(Lec-Lab)	Semester Hours

Dates of class: October 14, 2019 – December 13, 2019

Location: NCH; Learning Center rooms 3&4 (dates and times see academic calendar)

Prerequisite: EMS 210 with a grade of C or better

Co-requisite: EMS 217: Hospital clinical rotations

COURSE DESCRIPTION

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

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 acute and 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: Homework questions and Collaborative practice: group 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 monitoring and interpretation; 12 lead ECG acquisition, interpretation and transmission; transcutaneous pacing; synchronized cardioversion; defibrillation; monitoring of ventricular assist devices; implantable cardioverter defibrillators; the pit crew approach to cardiac arrest management using real-time CPR feedback devices; induced hypothermia; 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 on each topical outline
- Homework questions for each topic should be completed as independent that transitions to collaborative study. Squad homework officers will inspect completed questions every morning and note any incomplete work.
- 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 misses three full days of class or is tardy three or more times, they will be subject to disciplinary action which may include dismissal 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.nwcmss.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

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 requirements of licensure as a paramedic and is able to perform all the essential functions of the paramedic profession during the course with or without reasonable accommodation.

STUDENTS WITH DISABILITIES and Academic Accommodations: If you have a disability (learning, ADHD, physical, psychological or other) and may require any accommodation during this course, please contact the Course Program Director at the *beginning* of the course to discuss. Students with disabilities must contact Access and Disability Services (ADS) to discuss approval of reasonable accommodations. Any student already connected with ADS should provide the Course Program Director a copy of your approved Accommodation Plan. 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.

Rev: CJM 6-28-2019