

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

EMS	212	PARAMEDIC MEDICAL EMERGENCIES II	(7-1)	7
Course Prefix	Course Number	Course Title	(Lec-Lab)	Semester Hours

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Program Director

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Dates of class:

Inter-semester hours- clinical prep: December 7-18, 2020

January 18, 2021 – February 5, 2021

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

Prerequisite: EMS 211 with a grade of C or better and EMS 217 with a passing grade (P)

Co-requisite: EMS 218: Hospital clinical rotations

COURSE DESCRIPTION

Presents a wide scope of obstetric, gynecological, pediatric, behavioral, geriatric, and medical emergencies. This course must be passed to continue in the program. Content and objectives are mapped to the National EMS Education Standards and the National EMS Scope of Practice Model.

TOPICAL OUTLINE

- I. Gynecological emergencies
- II. Emergency childbirth; complications of pregnancy and delivery; care and resuscitation of newborn infants
- III. Pediatric growth and development; medical and traumatic emergencies
- IV. Science of aging; diseases and/or emergencies seen in the elderly population
- V. Interpersonal violence, abuse, neglect, and homelessness
- VI. Behavioral/psychiatric conditions and emergencies; de-escalation strategies; application of restraint
- VII. Acute and chronic disorders of the endocrine, GI, GU, immune, neurological and hematopoietic systems
- VIII. Environmental emergencies: submersion incidents, temperature-related illness, bites and envenomations, dysbarism, high-altitude, and diving injuries
- IX. Toxicology and substance use disorders; infectious and communicable diseases

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

1. integrate assessment findings with principles of epidemiology and pathophysiology to formulate a field impression and implement a comprehensive treatment/disposition plan for a patient with a medical complaint. Contained within the National EMS Education Standards
2. Explain A&P, epidemiology, pathophysiology, psychosocial impact, reporting requirements, clinical presentations, prognosis, and management at the depth and breadth specified in the National EMS Education Standards for the following :
 - Acute and chronic neurological conditions and emergencies;
 - Acute and chronic gastrointestinal disorders/diseases and emergencies;
 - Acute and chronic immune system disorders and emergencies;
 - Infectious and communicable diseases;
 - Acute and chronic endocrine conditions and emergencies;
 - Acute and chronic behavioral/psychological conditions and emergencies;
 - Emergencies caused by substance use disorders and exposure to toxins/poisons
 - Acute and chronic hematological conditions and emergencies
 - Acute and chronic renal and genitourinary conditions and emergencies including human trafficking and sexual assault
 - Anatomy and physiology of pregnancy, normal childbirth; pre, intra and post-partum emergencies; assessment and care of the newborn; neonatal resuscitation

- Pediatric growth and development; anatomical/physiological differences in children; pediatric assessment; medical emergencies and trauma in children; pediatric drug dosing and transport considerations.
 - Normal and abnormal changes associated with aging, pharmacokinetic changes, psychosocial and economic aspects of aging, polypharmacy, and age-related assessment and treatment modifications for the major or common geriatric diseases and/or emergencies.
5. Demonstrate psychomotor proficiency at the precision level in obtaining and using information from patient assessments (GCS; stroke and sepsis screens), monitoring devices including (but not limited to) capillary glucose sampling; de-escalation techniques, applications of restraints, and completion of IDPH Petition Forms; emergency childbirth; newborn and pediatric care/resuscitation, elderly assessment and adaptations to care; and those skills adopted by IDPH, and as specified in the Program Procedure Manual.
 6. Characterize the professional behaviors stated in the program affective objectives.

METHODS OF PRESENTATION

1. Interactive lecture; student and instructor-led discussions; Socratic questioning
2. Student-centered learning activities: Case studies; simulations, scenarios, role playing
3. Guided practice: Demonstrations; return demonstrations in precepted lab environment
4. Independent practice: Reading text, completing homework questions and MyLab™ assignments; Infectious Disease written and oral presentation project
5. Collaborative practice; group assignments

METHODS OF EVALUATION

- Formative and summative evaluation of student performance in all domains of learning
 - Cognitive objectives: quizzes; modular written exam; the Infectious Disease project counts as one quiz score
 - 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 are included at the back of the student outline handout and should be completed initially as independent study. Students are encouraged to collaborate on homework answers before each class starts and they are submitted. An EMS instructor will inspect completed questions and note any incomplete work.
- Additional work will be assigned and tracked for 100% completeness in MyLab™ BRADY.
- The Infectious Disease Project is 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 BEHAVIORS:

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.