



**Course Name:** Advanced Cardiac Life Support (ACLS)

**Course Number:** EMS 810

**Course Department:** STEMM

**Course Term:** Spring 2018

**Last Revised by Department:** July 2017

**Total Semester Hour(s) Credit:** 1.0

**Total Contact Hours per Semester:**

Lecture: 15 Lab: 0 Clinical: 0

**Catalog Description:** This course is designed to provide the student with advanced emergency cardiovascular knowledge and skills. Treatment protocols will be based on the current American Heart Association guidelines. Completion of a cardiac dysrhythmia course is highly recommended. If a cardiac dysrhythmia course has not been taken students must seek approval from the EMS Coordinator prior to taking this course. This course is offered pass/fail.

**Pre-requisites and/or Co-requisites:**

- Prerequisite - EMT-P, or Paramedic certification, RN licensure, Respiratory Therapist licensure or completion of NSC Paramedic 1 (EMS 760)
- Co-requisite – NSC Paramedic 2 (EMS 761)

**Textbook(s) Required:** AHA Advanced Cardiac Life Support Provider Manual (Current Edition)

**Access Code:** None

**Materials Required:** None

**Suggested Materials:** None

**Institutional Outcomes:**

**Critical Thinking:** The ability to dissect a multitude of incoming information, sorting the pertinent from the irrelevant, in order to analyze, evaluate, synthesize, or apply the information to a defensible conclusion.

**Effective Communication:** Information, thoughts, feelings, attitudes, or beliefs transferred either verbally or nonverbally through a medium in which the intended meaning is clearly and correctly understood by the recipient with the expectation of feedback.

**Personal Responsibility:** Initiative to consistently meet or exceed stated expectations over time.

**Department/Program Outcomes:** To prepare competent entry-level Paramedics in the cognitive (knowledge), psychomotor (skills), and affective (behavioral) learning domains with or without exit points at the Advanced Emergency Medical Technician and/or Emergency Medical Technician, and/or Emergency Medical Responder levels.

**Student Learning Outcomes:**

- a. At the completion of this course participants will understand the concepts and methodologies of advanced cardiac life support. Participants will be able to utilize those concepts and methodologies to successfully treat an adult patient experiencing an emergency medical situation including respiratory or cardiac compromise.

**Course Objectives:**

- a. Recognize the two most common pre-arrest syndromes and describe interventions to prevent cardiopulmonary arrest in the adult patient.
- b. Demonstrate the use of adjuncts for airway and mechanical breathing.
- c. Demonstrate proper techniques in Basic Life Support.
- d. Discuss the indications for emergency treatment of rhythm disturbances in adults.
- e. Develop priorities for the management of shock, respiratory failure and cardiopulmonary arrest.

**College Procedures:** All college-wide procedures are located in the Iowa Central Community College Student Handbook.

**Assessments:**

- a. Practical skill labs – Practical skill labs are listed on the course handout. You should plan on attending class for all practical skill labs. Labs will be conducted utilizing the current American Heart Association psychomotor standards. All practical skills labs are graded as pass or fail.

We will be using equipment and supplies during practical skills lab that must be used under the direct supervision of an instructor, instructor aide, or EMS coordinator. At no time shall a student remove equipment or supplies from the practical skills lab area without the expressed approval of the instructor, instructor aide, or EMS coordinator. Removal of equipment or supplies from the practical skills lab area without approval will result in disciplinary action up to and including removal from the program.

- b. Exams – There will be a cumulative final exam for the course provided by the American Heart Association. Students must successfully complete the exam based on the standards dictated by the American Heart Association.

### **Please note that assessments are subject to change**

#### **Non-discrimination Statement:**

It is the policy of Iowa Central Community College not to discriminate on the basis of race, color, national origin, sex, disability, age (employment), sexual orientation, gender identity, creed, religion, and actual or potential parental, family or marital status in its programs, activities, or employment practices as required by the Iowa Code §§ 216.6 and 216.9, Titles VI and VII of the Civil Rights Act of 1964 (42 U.S.C. §§ 2000d and 2000e), the Equal Pay Act of 1973 (29 U.S.C. § 206, et seq.), Title IX (Educational Amendments, 20 U.S.C. §§ 1681 – 1688), Section 504 (Rehabilitation Act of 1973, 29 U.S.C. § 794), Age Discrimination Act of 1975 (34 CFR Part 110), and Title II of the Americans with Disabilities Act (42 U.S.C. § 12101, et seq.).

If you have questions or complaints related to compliance with this policy, please contact Kim Whitmore, Director of Human Resources, phone number 515-574-1138, whitmore@iowacentral.edu; or the Director of the Office for Civil Rights, U.S. Department of Education, Citigroup Center, 500 W. Madison, Suite 1475, Chicago, IL 60661, phone number 312-730-1560, fax 312-730-1576.

#### **Disability/Accommodation Services:**

If you have a request for an accommodation based on the impact of a disability, it is Iowa Central's policy that you contact the Academic Assistance & Accommodations Coordinator to discuss your specific needs and to provide supporting information and documentation, so we may determine appropriate accommodations. The office for accommodations is located in the Academic Resource Center, and it can be reached by calling 515-574-1045. For online information about accommodations, please go to [www.iowacentral.edu/accommodations](http://www.iowacentral.edu/accommodations).

**Bias-Free Classroom Statement:**

The Emergency Medical Technician program maintains high standards of respect in regard to individual beliefs and values when selecting classroom materials including textbooks, project activities, power points, videos, presentations, and classroom discussions.

It is our belief that all people have the right to obtain an education within our department/program courses free of bias, with full respect demonstrated to all who enroll in the courses of this department/program.

**External Accreditation:** The Iowa Central Community College Paramedic program, on the Fort Dodge campus, is accredited by the Commission on Accreditation of Allied Health Education Programs ([www.caahep.org](http://www.caahep.org)) upon the recommendation of the Committee on Accreditation of Educational Programs for the Emergency Medical Services Professions (CoAEMSP).



Course Syllabus		
Course Name: Emergency Medical Technician Course Number: EMS 200 Course Department: Health Science Course Term: Spring 2017 Revised: December 2016		
Room: AST 215	Day: Monday Day: Thursday Day: Saturday (1/21, 2/11, 3/4)	Time: 6 PM – 10 PM Time: 6 PM – 10 PM Time: 8 AM – 5 PM
Course Start Date: August 25, 2016		Course End Date: December 15, 2016
Instructors: Kerrie Hull, RN, EMR, EMS-I	Office Location: AST 204	
E-mail Address: <a href="mailto:khull@calhouncountyiowa.com">khull@calhouncountyiowa.com</a>	Office Hours: Day: Monday Day: Thursday As scheduled by appointment	
Phone: Kerrie: (712) 830-0890		
Final Exam: Day: Monday Date: May 1, 2017 Time: 6 PM		

1. Total Semester Hour(s) Credit: 8.0
2. Total Contact Hours per Semester:
  - a. Lecture: 105    Lab: 30    Clinical/Field: 32
3. Catalog Description: This course is a combined lecture/lab/clinical course which has been developed by the United States National Highway Traffic Safety Administration. The course follows the January 2009 National Emergency Medical Services Education Standards for the Emergency Medical Technician (EMT). This course provides the student an opportunity to supply cognitive knowledge and psychomotor skills in the classroom, hospital, and pre-hospital setting. Students receive a letter grade for the classroom and lab portions of the course. The clinical portion is graded on a pass/fail basis. Instruction is related to patient assessment in areas of basic life support, cardiac arrest, trauma, and medical emergencies. Students must complete a minimum of 32 hours of clinical/field time to successfully complete the course. Upon successful completion of this course students will be eligible to take National Registry of EMTs certification testing at the Emergency Medical Technician level.

Students will be required to undergo a national criminal background check and State of Iowa child/adult abuse registry check prior to clinical rotations. Mandatory reporter training and a health physical are required prior to starting clinical/field rotations. The cost of obtaining these requirements is in addition to course tuition and fees. Information on how to satisfy these requirements will be distributed the first night of class.

4. Pre-requisites and/or Co-requisites:

- a. Prerequisite: CPR for the Professional Rescuer or CPR for the Healthcare Provider  
Must be 17 years of age at time of enrollment  
Must possess a valid driver's license  
Must be able to read and write the English language

5. Textbook Required: Emergency Care and Transportation of the Sick and Injured 11<sup>th</sup> Edition; Pollak;  
ISBN: 9781284106909

- a. Access Code: EMSTesting.com EMT Exam Access Card (Available through Iowa Central Bookstore or online at [www.emstesting.com](http://www.emstesting.com).)
- b. Access Code: Navigate 2.0 (Bundled with textbook through Iowa Central Bookstore)

6. Supplemental Materials Required: None

7. Institutional Outcomes:

- a. *Critical Thinking*: The ability to dissect a multitude of incoming information, sorting the pertinent from the irrelevant, in order to analyze, evaluate, synthesize, or apply the information to a defensible conclusion.
- b. *Effective Communication*: Information, thoughts, feelings, attitudes, or beliefs transferred either verbally or nonverbally through a medium in which the intended meaning is clearly and correctly understood by the recipient with the expectation of feedback.
- c. *Personal Responsibility*: Initiative to consistently meet or exceed stated expectations over time.

8. Department Outcomes:

- a. Provide effective education in emergency medical services and related areas to produce competent graduates that can practice as entry level nationally registered EMTs. Program graduates should participate in personal development and career development activities.
- b. Provide programming that meets the needs of the customers that we serve.
- c. Provide encouragement to graduates to pursue career advancement in EMS education, management, or baccalaureate education.

9. Course Outcomes:

- a. Students will have knowledge of the current make-up of the modern EMS system including history of, types of systems, how to access the system, education, and authorization to practice.
- b. Students will have knowledge of the roles, responsibilities, and professionalism of EMS personnel.
- c. Students will have knowledge of the concept of quality improvement.
- d. Students will have knowledge of the concept of evidence based decision making and the impact of research on EMS care.
- e. Students will have knowledge of the concept of standard safety precautions, the use of personal protective equipment, how to manage stress, and the prevention of work-related injuries.
- f. Students will have knowledge of the equipment utilized in the lifting and moving of patients.
- g. Students will have knowledge of physical and mental wellness principles affecting EMS personnel.
- h. Students will have knowledge of the principles of medical documentation and report writing.

- i. Students will have knowledge of the team approach to EMS communications, communications system components, types of communication, and system maintenance.
- j. Students will have knowledge of the principle of therapeutic communication.
- k. Students will have knowledge of the different types of consent and the implications of consent on patient care.
- l. Students will have knowledge of the concepts of confidentiality, advanced directives, and tort and criminal actions.
- m. Students will have knowledge of the concepts of mandatory reporting, evidence preservation, and ethical principles which affect EMS personnel.
- n. Students will have knowledge of basic human anatomy and physiology that the EMT must know in order to effectively care for patients.
- o. Students will have knowledge of basic medical terminology forms, medical terms, and standard abbreviations and acronyms.
- p. Students will have knowledge of life span development from infancy to late adulthood. Psychological and physiological concepts of life span development will be discussed.
- q. Students will have knowledge of basic principles of public health including the role of public health, public health laws, regulations and guidelines, and how EMS interfaces with public health.
- r. Students will have knowledge of medication safety, forms of medications, routes of medications, and basic medication terminology.
- s. Students will have knowledge of the difference between assisting with and administering a medication, medication administration procedure, and medication delivery techniques.
- t. Students will have knowledge of which medications they may assist with and which medications they administer.
- u. Students will have knowledge of respiratory system anatomy and physiology, assessment, and techniques of assuring a patent airway.
- v. Students will have knowledge of assessment of adequate and inadequate ventilation.
- w. Students will have knowledge of the concepts of scene safety and scene management.
- x. Students will have knowledge of primary survey/primary assessment.
- y. Students will have knowledge of investigation of the chief complaint, components of patient history, techniques of history taking, developing a standardized approach to history taking, and taking history on sensitive topics.
- z. Students will have knowledge of techniques of physical examination of all body systems.
- aa. Students will have knowledge of pulse oximetry and non-invasive blood pressure monitoring.
- bb. Students will have knowledge of the importance of reassessing their patient's condition.
- cc. Students will have knowledge of how all the concepts of medical assessment flow together.
- dd. Students will have knowledge of how to assess a patient experiencing a neurological, abdominal, gastrointestinal, immunological, infectious disease, endocrine, psychiatric, cardiovascular, toxicological, respiratory, hematological, renal, genitourinary, or gynecological emergency.
- ee. Students will have knowledge of how to assess a patient experiencing non-traumatic musculoskeletal disorders and diseases of the eyes, ears, nose, and throat.
- ff. Students will have knowledge of how to assess a patient experiencing signs and symptoms of shock, respiratory failure or arrest, and cardiac failure or arrest.
- gg. Students will have knowledge of how to identify and categorize trauma patients, the pathophysiology of trauma, and how to assess a trauma patient.
- hh. Students will have knowledge of how to assess a trauma patient experiencing bleeding, chest trauma, abdominal and genitourinary trauma, orthopedic trauma, soft tissue trauma, trauma to the head, face, neck and spine, and nervous system trauma.
- ii. Students will have knowledge of special considerations in trauma. Trauma in the pregnant patient, trauma in the pediatric patient, and trauma in the elderly patient.
- jj. Students will have knowledge of environmental emergencies. They will learn how to assess a patient experiencing a submersion incident, temperature related illness, bites and envenomation, diving emergency and electrical/radiation emergency.

- kk. Students will have knowledge of the kinematics of trauma, multi-system trauma, and special injuries associated with multi-system trauma.
- ll. Students will have knowledge of how to assess and manage an obstetric patient.
- mm. Students will have knowledge of how to assess and manage a pediatric patient.
- nn. Students will have knowledge of how to assess and manage a geriatric patient.
- oo. Students will have knowledge of how to assess and manage a patient experiencing abuse/neglect.
- pp. Students will have knowledge of how to assess and manage a bariatric patient, technology assisted/dependent patient, hospice care and terminally ill patient, a patient with sensory deficits, a patient using home care, and patients with developmental disabilities.
- qq. Students will have knowledge of the risk and responsibilities of emergency response.
- rr. Students will have knowledge of how to establish and work within the incident management system.
- ss. Students will have knowledge of multiple casualty incidents and the implications of a multiple casualty incident.
- tt. Students will have knowledge of how to work safely and effectively with an air medical service.
- uu. Students will have knowledge of how to work cooperatively during vehicle extrication.
- vv. Students will have knowledge of hazardous materials awareness.
- ww. Students will have knowledge of the risks and responsibilities of operating on the scene of a natural or man-made disaster.

#### 10. Psychomotor Outcomes:

- a. Students will practice how to utilize standard safety precautions and personal protective equipment.
- b. Students will practice how to safely lift and move a patient.
- c. Students will practice how to effectively position a patient experiencing a variety of medical and trauma conditions.
- d. Students will practice how to restrain a patient safely and the proper use of restraints.
- e. Students will practice how to correctly complete a pre-hospital care report.
- f. Students will practice how to safely assist with or administer a medication.
- g. Students will practice techniques of assuring a patent airway.
- h. Students will practice techniques of managing adequate and inadequate respiration.
- i. Students will practice techniques of managing inadequate ventilation and the differences between normal and positive pressure ventilation.
- j. Students will practice techniques of primary survey/primary assessment.
- k. Students will practice techniques of investigation of the chief complaint, components of patient history, techniques of history taking, developing a standardized approach to history taking, and taking history on sensitive topics.
- l. Students will practice techniques of physical examination of all body systems.
- m. Students will practice techniques of pulse oximetry and non-invasive blood pressure monitoring.
- n. Students will practice techniques of reassessing their patient's condition.
- o. Students will practice putting all of the concepts of medical assessment together to effectively treat a medical patient.
- p. Students will practice techniques of treating a patient suffering from a neurological, abdominal, gastrointestinal, immunological, infectious disease, endocrine, psychiatric, cardiovascular, toxicological, respiratory, hematological, renal, genitourinary, or gynecological emergency.
- q. Students will practice techniques of treating a patient suffering from non-traumatic musculoskeletal disorders and diseases of the eyes, ears, nose, and throat.
- r. Students will practice techniques of treating a patient suffering from shock, respiratory failure or arrest, and cardiac failure or arrest.



- s. Students will practice techniques of how to identify and categorize trauma patients, the pathophysiology of trauma, and how to assess a trauma patient.
- t. Students will practice techniques of how to treat a patient experiencing bleeding, chest trauma, abdominal and genitourinary trauma, orthopedic trauma, soft tissue trauma, trauma to the head, face, neck and spine, and nervous system trauma.
- u. Students will practice techniques of how to treat trauma in the pregnant patient, trauma in the pediatric patient, and trauma in the elderly patient.
- v. Students will practice techniques of how to treat a patient experiencing a submersion incident, temperature related illness, bites and envenomation, diving emergency, and electrical/radiation emergency.
- w. Students will practice techniques of how to treat a multi-system trauma patient and a blast injury patient.
- x. Students will practice techniques of how to treat an obstetric patient.
- y. Students will practice techniques of how to treat a pediatric patient.
- z. Students will practice techniques of how to treat a geriatric patient.
- aa. Students will practice techniques of how to care for a tracheotomy.
- bb. Students will practice how to care for patients during a multiple casualty incident.
- cc. Low, medium, and high fidelity simulation may be utilized to obtain psychomotor outcomes for this course.

#### 11. Student Outcomes:

- a. Students will be able to apply fundamental knowledge of EMS systems, safety/well-being of the EMT, and medical/legal and ethical issues to the provision of emergency care.
- b. Students will be able to apply fundamental knowledge of the anatomy and function of all human systems to the practice of EMS.
- c. Students will be able to use foundational anatomical and medical terms and abbreviations in written and oral communication with colleagues and other health care professionals.
- d. Students will be able to apply fundamental knowledge of the pathophysiology of respiration and perfusion to the patient assessment and management.
- e. Students will be able to apply fundamental knowledge of life span development to patient assessment and management.
- f. Students will be able to use simple knowledge of the principles of illness and injury prevention in emergency care.
- g. Students will be able to apply fundamental knowledge of medications that the EMT may assist/administer to a patient during an emergency.
- h. Students will be able to apply fundamental knowledge of anatomy and physiology to patient assessment and management in order to assure patent airway, adequate mechanical ventilation, and respiration for patients of all ages.
- i. Students will be able to apply scene information and patient assessment findings (scene size-up, primary and secondary assessment, patient history, reassessment) to guide emergency management.
- j. Students will be able to apply fundamental knowledge to provide basic emergency care and transportation based on assessment findings for an acutely ill patient.
- k. Students will be able to apply fundamental knowledge of the causes, pathophysiology, and management of shock, respiratory failure, or arrest, cardiac failure or arrest, and post-resuscitation management.
- l. Students will be able to apply fundamental knowledge to provide basic emergency care and transportation based on assessment findings for an acutely injured patient.
- m. Students will be able to apply fundamental knowledge of growth, development, aging and assessment findings to provide basic emergency care and transportation for a patient with special needs.
- n. Students will be able to apply knowledge of operational roles and responsibilities to ensure patient, public, and personnel safety.

## 12. College Procedures:

### a. Administrative Withdrawal Process:

An expectation of this course is that you will participate in all class meetings and conscientiously complete all required course activities and/or assignments. You will be notified via Iowa Central email and Triton Alerts when you have missed 15%, 20%, and 25%. It is your responsibility to check email and signup for Triton Alerts. After you miss 25% of scheduled class meetings, you will be administratively withdrawn from this course. You have the right to appeal the withdrawal to the Vice President of Instruction. Administrative withdrawal may have academic, scholarship, financial aid, and/or housing implications. If you have questions about the administrative withdrawal policy at any point during the semester, please contact me.

### b. Americans with Disabilities Act Statement:

As required by the Department of Education, it is the policy of Iowa Central Community College not to discriminate on the basis of race, creed, color, sexual orientation, gender identity, national origin, sex, disability, religion, or age in its programs, activities, or employment practices as required by the Iowa Code sections 216.9 and 256.10(2), Titles VI and VII of the Civil Rights Act of 1964 (42 U.S.C. § 2000d and 2000e), the Equal Pay Act of 1973 (29 U.S.C. § 206, et seq.), Title IX (Educational Amendments, 20 U.S.C. §§ 1681 – 1688), Section 504 (Rehabilitation Act of 1973, 29 U.S.C. § 794), and the Americans with Disabilities Act (42 U.S.C. § 12101, et seq.).

Individuals having questions or complaints related to compliance with this policy should contact the Vice President of Enrollment Management and Student Development or the Director of the Office for Civil Rights, U.S. Department of Education, Citigroup Center, 500 W. Madison, Suite 1475, Chicago, IL 60661, phone number 312/730-1560, fax 312/730-1576.

### c. Children in the Classroom: Students are not allowed to bring children into the classrooms, labs, shops, or hallways during class times.

### d. Class cancellation: Class cancellations will be posted on Triton Pass and emailed to students. Cancellations, including campus closings, are also available as text messages through Triton Alerts.

### e. Course withdrawal procedure:

1. The student will submit the withdrawal request online. This is located in WebAdvisor.
2. The instructor immediately receives an email telling him/her that the student has requested the drop.
3. The instructor will go into WebAdvisor and approve or deny the request. The instructor may also contact you to discuss the request.
4. If the instructor does not respond immediately, he/she will receive an email each night until the request is approved or denied.
5. If the instructor does not respond after two working days, the Health Science Dean will receive an email saying the instructor has not responded to the request yet.
6. Once the request is approved, the Student Records Office will withdraw the student based on the date the student submitted the request.

### f. Weather policy: In the event of delayed or canceled classes due to extreme weather conditions an email will be sent out to ALL students and staff. The Triton Alerts emergency text messaging service will send a text message to all students who are signed up for the service. Notifications will also be distributed through the Iowa Central App. Instructors may make final decisions on make-ups due to inclement weather. The

final decision to attend college classes can only be made by the individual based on his or her specific extenuating circumstances that may make it hazardous for him or her to travel. Additional information can be found on the Iowa Central web site. (Current Students - Student Life)

### 13. Grade Appeal Process:

- a. Students who believe a course grade they have received is inaccurate may seek an appeal. Please refer to the Student Handbook for more specific information.

### 14. Special Assistance

- a. Iowa Central Community College offers a wide variety of individual help for students. We have academic assistance in the Academic Resource Center & Student Support Services/TRIO programs, a licensed counselor, a school nurse and services to help you map and achieve your goals. These services are free of charge and available to all Iowa Central students.

Academic Resource Center (ARC): 1-515-574-1045

Counselor: 1-515-574-1051

Triton Enrichment Center: 1-515-574-1192

Nurse: 1-515-574-1047

Student Support Services/TRIO: 1-515-574-1165

If you may need an accommodation based on the impact of a disability, please contact the Academic Assistance & Accommodations Coordinator to discuss your specific needs and to determine appropriate accommodations. The office for accommodations is located in the Academic Resource Center and can be reached by calling 515-574-1045. For online information about accommodations, please go to <http://www.iowacentral.edu/arc>.

### 15. Course Specific Policies:

#### a. Assessments:

1. Quizzes – Short quizzes may be given throughout the course. Quizzes are not allowed to be made up unless a student is absent because of a college sponsored activity or military commitment. All unannounced quiz scores will be used in the calculation of the student's final grade.
2. Homework/Assignments – Assignments and homework may be assigned throughout the course. If you will not be in class it is your responsibility to submit any homework/assignments prior to the time due.
3. Practical skill labs – Practical skill labs will be conducted throughout the course. You should plan on being there for all practical skill labs. Practical exam labs may not be made up unless you are absent for college sponsored activity or military commitment. Labs will be conducted using the NREMT-EMT psychomotor exam standards and FISDAP skill forms. All practical skills labs are graded as pass or fail. Students must pass the practical skills labs to be eligible for a satisfactory grade (C or above). To pass the practical skills lab portion of the course, the student must demonstrate a 75% proficiency, at a minimum, in all practical skills as determined by the instructor, coordinator, or instructor aides utilizing NREMT-EMT psychomotor exam standards and/or FISDAP skill forms by the end of the course. Failure of practical skills labs will result in a failing grade or "F" for the course regardless of the student's didactic points. Students must satisfactorily complete the bag valve mask of the apneic adult patient, oxygen administration with a non-rebreather mask, and cardiac arrest management/AED skill labs with five (5) successful peer evaluations and one (1) successful instructor evaluation, as referenced in FISDAP and determined by the course instructor, before the student will be cleared for clinical/field rotations.

We will be using equipment and supplies during practical skills lab that must be used under the direct supervision of an instructor, instructor aide, or EMS coordinator. At no time shall a student remove equipment or supplies from the practical skills lab area without the expressed approval of the instructor, instructor aide, or EMS coordinator. Removal of equipment or supplies from the practical skills lab area without approval will result in disciplinary action up to and including removal from the program.

4. Exams – There will be unit exams and a cumulative final exam for the course. Exams may consist of multiple choice, true/false or short answer questions. Any missed examinations must be taken within two class meetings from the original testing date otherwise a zero will be given. **Students will receive a 10% point deduction for any missed exams.** Students will not be allowed to retake exams on which they have scored poorly. Any missed examinations must be taken within two class meetings from the original testing date otherwise a score of zero will be awarded for the examination. Students arriving more than five minutes late for exams will not be allowed to take the exam.

**\*Please note that assessments are subject to change**

- b. Classroom Management and Behavior:
  - a. Use of cellular phones, two-way radios, and pagers during class will be at the discretion of the instructor. At no time should the use of these devices be distracting to other students in class. The instructor reserves the right to request that these devices NOT be operational during class and to dismiss any student from class that abuses this policy.
  - b. During classroom discussion or lecture, there will be respect displayed for the person speaking.
  - c. Because of our fast-paced semester, I ask that you keep your questions relevant to the topic we are covering.
  - d. Pay attention in class. Sometimes if you are distracted you may miss the answer to your question.
  - e. Be accountable for your actions. This will be helpful to you in your EMS studies.
  - f. You may have food and drinks. If you spill anything, please clean it up immediately and dispose of your containers in the garbage.
  - g. Students need to take responsibility for their own academic success. This includes reading the assigned readings, completing homework, and preparing for examinations and quizzes.
- c. Communication: Course instructors will dictate how they want to be contacted outside of normal class time. Students are expected to be respectful of course instructor's time and privacy. Whenever possible students should contact course instructors via e-mail. Please allow at least 72 hours for your instructor to respond to any e-mail correspondence. If contacting a course instructor by utilizing their private telephone number, cellular phone number, or text message it should only be done during the hours of 8 AM – 9 PM unless the instructor has explicitly given the student permission to contact them during other hours.
- d. Computer Considerations: Iowa Central Community College computers have Microsoft Word installed. Coursework created in "Works" and other programs may not open on college computers. Coursework should be saved in a Microsoft Office or PDF format. Excuses about disk or printer issues are not acceptable. Complete your work early and this will not be a problem. Please consult with your course instructor if you need clarification on how to save files.

- e. **Course Syllabus Agreement:** By remaining enrolled in Emergency Medical Technician, the student agrees to the policies contained in the syllabus. Students are given a chance to read and ask questions to clarify any information they do not understand. Students are expected to take responsibility for knowing the information contained in the EMS – 200 (EMT) syllabus and will seek clarification as needed during their time in the Emergency Medical Technician class.
- f. **Extra Credit Policy:** Extra credit is not awarded for this course.
- g. **Final Exam Policy:** If a student misses the final examination they receive a zero and will not be allowed to take the examination. Students arriving more than five minutes late for the final examination will not be allowed to take the exam.

No final will be administered before its schedule time; however, any student scheduled for more than two exams on a given day, or at the same time, will take the exam listed in the course listed first alphabetically by course prefix during the scheduled exam time. It will be up to the student and instructor in the course listed last alphabetically to arrange another exam time, if needed. The student must provide a current schedule to the instructor for verification. Any requests for the final examination be taken early must be approved by the Vice-President of Instruction.

- h. **Grading Policy/Scale:** For successful completion of Emergency Medical Technician, students must achieve a “C” average and complete a minimum of one hospital based clinical rotation in the emergency department and a minimum of one pre-hospital field rotations with the required patient contacts. Students are required to complete a minimum of 32 hours of clinical/field time. The didactic portion of the EMT program is based on a point system. Coursework in EMT is weighted by category with some coursework carrying more weight than other coursework. **The final percentage will not be rounded. Students will receive the actual percentage that they have earned.** The resulting percentile will be applied to the following scale:

A student must earn 75% (straight percentage no rounding) to achieve a “C”.

92 – 100%	=	A
84 – 91%	=	B
75 – 83%	=	C
70 – 74%	=	D
69% and below	=	F

- i. **Group Work/Collaboration:** Group work/collaboration is allowed at the discretion of the instructor. The instructor will specifically indicate if group work/collaboration is allowed on a specific assignment. Unless directly indicated by the instructor it should be assumed that group work/collaboration is not allowed on assignments and such group work/collaboration is considered scholastic dishonesty and will be treated as such.
- j. **iNET Statement:** We will not utilize iNET for this course.
- k. **Late Work Policy:** If an assignment is not submitted the student will receive a zero. All assignments submitted after the time due will have a 25% point deduction per day that they are late.
- l. **Participation/Attendance Policy:** An expectation of this course is that you will participate in all class meetings and conscientiously complete all required course activities and/or assignments. After you miss 25% of the course meetings, you will be administratively withdrawn from this course. *This class is scheduled to meet 35 times*

*during the semester. When your number of absences has exceeded 35 hours, you will be withdrawn, and a "W" will appear on your transcript.* Absences must be reported to the course instructor or EMS Coordinator prior to the class. Daily attendance will be taken and entered into WebAdvisor. Participation points may be awarded at the discretion of the course instructor. In the event that you are absent from class you are not eligible for any participation points awarded during that class session.

- m. **Personal Responsibility:** Students need to take responsibility for their own academic success. This includes reading the assigned readings prior to class, completing homework on time, and adequately preparing for examinations and quizzes. In the event that a student knows that they will be absent from class or late to class they should make every effort to contact the course instructor or EMS Coordinator via e-mail or phone message as soon as possible. Students are responsible for making up course material prior to any absences unless an emergency arises.
- n. **Previous Work:** If a student wishes to submit work completed in another course to meet requirements of coursework for EMS-200 they must first seek the approval of the course instructor. Acceptance of previous coursework is at the discretion of the instructor. If a student does not seek prior approval from the course instructor any submittal of previous coursework will be considered scholastic dishonest and will be treated as such.
- o. **Scholastic Dishonesty:** Iowa Central Community College may initiate disciplinary proceedings against a student accused of scholastic dishonesty. Scholastic dishonesty includes, but is not limited to, cheating and plagiarizing. Plagiarism is presenting someone else's words as one's own. Whether in writing or in speaking. Cheating and plagiarism, whether intentional or accidental, are serious offenses. An instructor who suspects a student of scholastic dishonesty will inform the student of the allegation as soon as possible. It is up to the instructor to determine the disciplinary action to be taken, which could include giving the student a zero for the assignment, reducing the student's grade for the course, assigning an "F" for the course, or other action. Complete details of this policy may be found in the Iowa Central Community College Student Handbook.
- p. **Standards for Written Work:** Standards for written coursework will be at the discretion of the course instructor and will be clearly indicated. Course instructors can require coursework to be typed and may have standards for grammar, punctuation, etc. If MLA or APA format is required it will be indicated by the course instructor.
- q. **Teaching Philosophy:** Power point presentations, small and large group discussions and activities, audio-visual material, computer interactive software, practical skill labs/demonstrations will be used. Students will practice skills on each other during the course of practical skill labs. All skills practice will be conducted under the direct supervision of course instructors. Students should report any conduct that they deem inappropriate immediately to the course instructor or EMS Coordinator.
- r. **Turnitin.com:** Turnitin.com may be utilized, in this course, at the discretion of the instructor.
- s. **Clinical -** The clinical portion of EMS-200 is pass/fail. To pass the clinical component, the student must demonstrate proficiency in all clinical skills as determined by the instructor, coordinator, preceptor, or instructor aides. All clinical skills must be performed under the direct supervision of a preceptor. In addition, the student must complete a minimum of one ER shift, one pre-hospital shift, and other ER/pre-hospital shifts of their choosing for

a minimum of 32 hours prior to the end date of the course in order to pass the clinical component of the course. During clinical/field rotations students must have a minimum of 10 medical patient and 5 trauma patient contacts. Students must pass the clinical component to be eligible for a satisfactory grade (C or above). Failure of clinical skills or failing to complete the required hours/contacts by the end date of the course will result in a failing grade or "F" for the course regardless of the student's didactic points. Removal of equipment or supplies from the clinical area without approval will result in disciplinary action up to and including removal from the program.

Upon completion of Iowa Central Community College course requirements the student can't participate in field or clinical experiences as an Iowa Central Community College student.

Students who have not received approval for an extension of course requirements, due to extenuating circumstances, prior to the end date of the course can't participate in field or clinical experience as an Iowa Central Community College student after the end date of class.

Students will adhere to all policies governing EMS Student Uniform and Personal Appearance. Students will adhere to all FISDAP policies.

- t. Technology in the classroom: Students are encouraged to bring laptops and other technology to class to facilitate their learning. All technology use during class time should be used to facilitate learning about the subject being discussed. If this privilege is abused or others in class are distracted by your use of technology you will be asked to refrain from bringing technological devices to future classes.
- u. Certification Exam Eligibility: Per Iowa Code 641 – 131.4(1g) "When a student's EMS Student Registration or a candidate's EMS Certification Application is referred to the department for investigation, or when a student or candidate is otherwise under investigation by the department, the individual shall not be eligible for certification, and the practical examination results will not be confirmed with the NREMT, until the individual is approved by the department."

*Our role is to facilitate your learning. If you have questions or concerns about your grades, study skills, performance, or need clarification of lecture material, please see us during office hours or make an appointment with us.*

Course Schedule:

DATE	Topic	Assignment	Time Allotted
1/12	EMS Systems Workforce Safety and Wellness	Chapter 1 Chapter 2	2 hours 2 hours
1/16	Class Introduction Medical, Legal, and Ethical Issues	Syllabus, Handbook Chapter 3	2 hours 2 hours
1/19	Communications and Documentation Medical Terminology	Chapter 4 Chapter 5	2.5 hours 1.5 hours
1/21 Saturday	<b>Unit Exam #1</b> The Human Body Life Span Development	<b>Chapters 1 – 5</b> Chapter 6 Chapter 7	<b>1.5 hours</b> 5 hours 1.5 hours
1/23	Lifting and Moving Patients	Chapter 8	4 hours
1/26	Patient Assessment	Chapter 9	4 hours
1/30	<b>Unit Exam #2</b> Airway Management	<b>Chapters 6 – 9</b> Chapter 10	<b>1.5 hours</b> 2.5 hours
2/2	Airway Management/King LT Airway	Chapter 10/Page 1498	4 hours
2/6	Pharmacology	Chapter 11	4 hours
2/9	Shock BLS Resuscitation	Chapter 12 Chapter 13	1.5 hours 2.5 hours
2/11 Saturday	<b>Unit Exam #3</b> Medical Overview Respiratory Emergencies Respiratory Emergencies Cardiovascular Emergencies	<b>Chapters 10 – 13, Pg. 1498</b> Chapter 14 Chapter 15 Chapter 15 Chapter 16	<b>1.5 hours</b> 1 hour 1.5 hours 1.5 hours 2.5 hours
2/13	Neurologic Emergencies Gastrointestinal and Urologic Emergencies Endocrine and Hematologic Emergencies	Chapter 17 Chapter 18 Chapter 19	2 hours 1 hour 1 hour
2/16	<b>Unit Exam #4</b> Immunologic Emergencies Toxicology	<b>Chapters 14 – 19</b> Chapter 20 Chapter 21	<b>1.5 hours</b> 1 hour 1.5 hours
2/20	Toxicology Psychiatric Emergencies Gynecologic Emergencies	Chapter 21 Chapter 22 Chapter 23	1.5 hours 1 hour 1.5 hours
2/23	<b>Unit #5 Exam</b> Trauma Overview	<b>Chapters 20 – 23</b> Chapter 24	<b>1.5 hours</b> 2.5 hours

*If all requirements met, students may be cleared for clinical after this class*



2/27	Bleeding Soft – Tissue Injuries	Chapter 25 Chapter 26	2 hours 2 hours
3/2	Face and Neck Injuries Head and Spine Injuries	Chapter 27 Chapter 28	2 hours 2 hours
3/4 <i>Saturday</i>	<b>Unit #6 Exam</b> Chest Injuries Abdominal and Genitourinary Injuries Orthopaedic Injuries	<b>Chapters 24 – 28</b> Chapter 29 Chapter 30 Chapter 31	<b>1.5 hours</b> 1 hour 1.5 hours 4 hours
3/6	Environmental Injuries Lab of trauma skills to date	Chapter 32	2.5 hours 1.5 hours
3/9	<b>Unit #7 Exam</b> Obstetrics and Neonatal Care	<b>Chapter 29 – 32</b> Chapter 33	<b>1.5 hours</b> 2.5 hours
3/13 – 3/17	<b>Spring Break – NO CLASS</b>		
3/20	Pediatric Emergencies	Chapter 34	4 hours
3/23	OB/Pediatric Simulation	Simulation Center	4 hours
3/27	Geriatric Emergencies Patients with Special Challenges	Chapter 35 Chapter 36	2 hours 2 hours
3/30	<b>Unit #8 Exam</b> Transport Operations	<b>Chapter 33 – 36</b> Chapter 37	<b>1.5 hours</b> 2.5 hours
4/3	Vehicle Extrication and Special Rescue Incident Management	Chapter 38 Chapter 39	2 hours 2 hours
4/6	Terrorism Response and Disaster Management A Team Approach to Health Care	Chapter 40 Chapter 41	2 hours 2 hours
4/10	<b>Unit #9 Exam</b> NREMT Cognitive and Practical Exam Review	<b>Chapters 36 – 39</b> Bleeding Control Shock Management; Long Bone Immobilization, Joint Immobilization	<b>1.5 hours</b> 2.5 hours
4/13	<b>Easter Break – NO CLASS</b>		
4/17	NREMT Cognitive and Practical Exam Review	Patient Assessment Management – Trauma/Medical	4 hours
4/20	NREMT Cognitive and Practical Exam Review	BVM Ventilation Apneic Patient; Oxygen Administration by Non- rebreather mask; Cardiac Arrest Management/AED	4 hours
4/24	NREMT Cognitive and Practical Exam Review	Supine and Seated Spinal Immobilization	4 hours

4/27	NREMT Cognitive and Practical Exam Review	All course material	4 hours
5/1	<b>Final Exam</b> Review for NREMT practical exam	<b>All course material</b>	<b>1.5 hours</b> 2.5 hours
5/4	<b>NREMT Practical Exam</b>		

*\* Syllabus is subject to change. Students will be notified of any changes in advance of when the changes take place.*

*All reading assignments are from Emergency Care and Transportation of the Sick and Injured 11<sup>th</sup> edition unless otherwise noted*

**IOWA CENTRAL COMMUNITY COLLEGE  
EMS PROGRAMS**

**SYLLABUS ACCOUNTABILITY DECLARATION**

I have received a copy of the EMS – 200 (Emergency Medical Technician) syllabus at Iowa Central Community College.

I have had a chance to read it and ask questions to clarify any information I did not understand.

I take responsibility for knowing the information contained in the EMS – 200 (Emergency Medical Technician) syllabus and will seek clarification as needed during my time in the Emergency Medical Technician class.

Student Signature: \_\_\_\_\_

Student Printed Name: \_\_\_\_\_

Date \_\_\_\_/\_\_\_\_/\_\_\_\_

**Original to student file**



**Course Name:** NSC Paramedic 1

**Course Number:** EMS 760

**Course Department:** STEMM

**Course Term:** Fall 2017

**Last Revised by Department:** July 2017

**Total Semester Hour(s) Credit:** 9.0

**Total Contact Hours per Semester:**

Lecture: 105 Lab: 15 Clinical: 90

**Catalog Description:** This course is designed to prepare the student for the paramedic level as outlined by the 2009 National EMS Education Standards for the Paramedic. The student is introduced to the Paramedic career field. Concepts taught include medical/legal considerations, the roles and responsibilities of the paramedic, anatomy and physiology, patient assessment techniques, medication administration, pharmacology, and life span development. Students will complete a 90 hour clinical experience in the hospital setting. Clinical emphasis will be devoted to outpatient surgery and emergency departments. Students must be currently certified at the EMT-Basic/EMT or higher level, be at least 17 years of age, have a high school diploma or equivalent, be able to speak, write, and read English. Current BCLS recognition at the Healthcare Provider (American Heart Association) or Professional Rescuer (American Red Cross) level is required prior to starting NSC Paramedic 1. Students will be required to undergo a national criminal background check and State of Iowa child/adult abuse registry check prior to starting clinical rotations. Mandatory reporter training and a health physical are required prior to starting clinical/field rotations. The cost of obtaining these requirements is in addition to course tuition and fees. Information on how to satisfy these requirements will be distributed the first night of class.

\*NSC = National Standard Curriculum.

**Pre-requisites and/or Co-requisites:** EMS 200 EMT, HSC 113 Medical Terminology, BIO 168 Human Anatomy and Physiology 1 with lab

**Textbook(s) Required:** AAOS: Nancy Caroline's Emergency Care in the Streets 8<sup>th</sup> Edition; Pollak; ISBN: 9781284095340

**Access Code:**

1. EMSTesting.com Paramedic Exam Access Card (Available through Iowa Central Bookstore or online at [www.emstesting.com](http://www.emstesting.com).)
2. Navigate 2.0 (Bundled with textbook through Iowa Central Bookstore)

**Materials Required:**

1. AAOS: Nancy Caroline's Emergency Care in the Streets 8<sup>th</sup> Edition *Workbook*; Pollak (Bundled with textbook listed above through Iowa Central Bookstore)
2. Medication Reference Guide (Student's choice)

**Suggested Materials:** Good quality stethoscope, boots/shoes, and EMS pants for clinical rotations.

**Institutional Outcomes:**

**Critical Thinking:** The ability to dissect a multitude of incoming information, sorting the pertinent from the irrelevant, in order to analyze, evaluate, synthesize, or apply the information to a defensible conclusion.

**Effective Communication:** Information, thoughts, feelings, attitudes, or beliefs transferred either verbally or nonverbally through a medium in which the intended meaning is clearly and correctly understood by the recipient with the expectation of feedback.

**Personal Responsibility:** Initiative to consistently meet or exceed stated expectations over time.

**Department/Program Outcomes:** To prepare competent entry-level Paramedics in the cognitive (knowledge), psychomotor (skills), and affective (behavioral) learning domains with or without exit points at the Advanced Emergency Medical Technician and/or Emergency Medical Technician, and/or Emergency Medical Responder levels.

**Student Learning Outcomes:**

- a. At the completion of this unit, the paramedic student will understand the roles and responsibilities of a paramedic within an EMS system, apply the basic concepts of development, pathophysiology and pharmacology to assessment and management of emergency patients, be able to properly administer medications, and communicate effectively with patients.
- b. At the completion of this unit, the paramedic student will be able to take a proper history and perform a comprehensive physical exam on any patient, and communicate the findings to others.

**Course Objectives:**

- a. The paramedic student will understand his or her roles and responsibilities within an EMS system, and how these roles and responsibilities differ from other levels of providers.

- b. The paramedic student will understand and value the importance of personal wellness in EMS and serve as a healthy role model for peers.
- c. The paramedic student will be able to integrate the implementation of primary injury prevention activities as an effective way to reduce death, disabilities and health care costs.
- d. The paramedic student will understand the legal issues that impact decisions made in the out-of-hospital environment.
- e. The paramedic student will understand the role that ethics plays in decision making in the out-of-hospital environment.
- f. The paramedic student will be able to apply the general concepts of pathophysiology for the assessment and management of emergency patients.
- g. The paramedic student will be able to integrate pathophysiological principles of pharmacology and the assessment findings to formulate a field impression and implement a pharmacologic management plan.
- h. The paramedic student will be able to safely and precisely access the venous circulation and administer medications.
- i. The paramedic student will be able to integrate the principles of therapeutic communication to effectively communicate with any patient while providing care.
- j. The paramedic student will be able to integrate the physiological, psychological, and sociological changes throughout human development with assessment and communication strategies for patients of all ages.
- k. The paramedic student will be able to use the appropriate techniques to obtain a medical history from a patient.
- l. The paramedic student will be able to explain the pathophysiological significance of physical exam findings.
- m. The paramedic student will be able to integrate the principles of history taking and techniques of physical exam to perform a patient assessment.
- n. The paramedic student will be able to apply a process of clinical decision making to use the assessment findings to help form a field impression.
- o. The paramedic student will be able to follow an accepted format for dissemination of patient information in verbal form, either in person or over the radio.
- p. The paramedic student will be able to effectively document the essential elements of patient assessment, care and transport.

**College Procedures:** All college-wide procedures are located in the Iowa Central Community College Student Handbook.

**Assessments:**

- a. Quizzes – Short quizzes may be given throughout the course. Quizzes are not allowed to be made up unless a student is absent because of a college sponsored activity or military commitment. All unannounced quiz scores will be used in the calculation of the student's final grade.

- b. Homework/Assignments – Assignments and homework may be assigned throughout the course. If you will not be in class it is your responsibility to submit any homework/assignments prior to the time due.
- c. Practical skill labs – You should plan on attending class for all practical skill labs. Practical exam labs may only be made up at the discretion of your instructor unless you are absent for college sponsored activity or military commitment. Labs will be conducted utilizing the 2015 Paramedic Psychomotor Competency Portfolio standards. All practical skills labs are graded as pass or fail. To pass the practical skills lab portion of the course, the student must demonstrate a 78% proficiency, at a minimum, in all practical skills as determined by classmates (peer evaluations), the instructor, instructor aides, or EMS Coordinator. Failure to complete the Paramedic Psychomotor Competency Portfolio by the end of the Paramedic program will result in the student not being approved for National Registry cognitive and psychomotor testing. Students must satisfactorily complete the patient assessment lab with a passing grade, as determined by the course instructor, before being allowed to begin clinical/field internship rotations for NSC Paramedic 1.

We will be using equipment and supplies during practical skills lab that must be used under the direct supervision of an instructor, instructor aide, or EMS coordinator. At no time shall a student remove equipment or supplies from the practical skills lab area without the expressed approval of the instructor, instructor aide, or EMS coordinator. Removal of equipment or supplies from the practical skills lab area without approval will result in disciplinary action up to and including removal from the program.

- d. Exams – There will be unit exams and a cumulative final exam for the course. Exams may consist of multiple choice, true/false or short answer questions. Any missed examinations must be taken within two class meetings from the original testing date otherwise a zero will be given. **Students will receive a 10% point deduction for any missed exams.** Students will not be allowed to retake exams on which they have scored poorly. Any missed examinations must be taken within two class meetings from the original testing date otherwise a score of zero will be awarded for the examination. Students arriving more than five minutes late for exams will not be allowed to take the exam.
- e. Clinical - The clinical portion of EMS-760 is pass/fail. To pass the clinical component, the student must demonstrate proficiency in all clinical skills as determined by the instructor, EMS Coordinator, preceptor, or instructor aides. All clinical skills must be performed under the direct supervision of a preceptor. In addition the student must complete a minimum of 90 hours of clinical time prior to the end date of the course to pass the clinical component of the course.

Students must pass the clinical component to be eligible for a satisfactory grade (C or above). Failure of clinical skills or failing to complete the required hours/contacts by the end date of the course will result in a failing grade or “F” for the course regardless of the student’s didactic points. Removal of equipment or supplies from the clinical area without approval will result in disciplinary action up to and including removal from the program.

Upon completion of Iowa Central Community College course requirements the student can’t participate in field or clinical experiences as an Iowa Central Community College student.

Students who have not received approval for an extension of course requirements, due to extenuating circumstances, prior to the end date of the course can’t participate in field or clinical experience as an Iowa Central Community College student after the end date of class.

Students will adhere to all policies governing EMS Student Uniform and Personal Appearance.

- f. Affective performance – Students will be evaluated on their affective performance. The affective domain evaluates how an individual reacts emotionally. Specifically students will be evaluated on their awareness and growth in the areas of attitude, emotions, and feelings as it relates to their instructors, preceptors, peers, and patient’s. Students will be given a rubric, at the beginning of class, explaining the point structure and specific areas evaluated using the affective domain.

**Weighting of assessments:**

1. Labs – 10% of final grade
2. Participation – 5% of final grade
3. Homework – 15% of final grade
4. Exams – 60% of final grade
5. Finals – 15% of final grade

**Please note that assessments are subject to change**

**Non-discrimination Statement:**

It is the policy of Iowa Central Community College not to discriminate on the basis of race, color, national origin, sex, disability, age (employment), sexual orientation, gender identity, creed, religion, and actual or potential parental, family or marital status in its programs, activities, or employment practices as required by the Iowa Code §§ 216.6 and 216.9, Titles VI and VII of the Civil Rights Act of 1964 (42 U.S.C. §§ 2000d and 2000e), the Equal Pay Act of 1973 (29 U.S.C. § 206, et seq.), Title IX (Educational Amendments, 20 U.S.C. §§ 1681 – 1688), Section 504 (Rehabilitation Act of 1973, 29



U.S.C. § 794), Age Discrimination Act of 1975 (34 CFR Part 110), and Title II of the Americans with Disabilities Act (42 U.S.C. § 12101, et seq.).

If you have questions or complaints related to compliance with this policy, please contact Kim Whitmore, Director of Human Resources, phone number 515-574-1138, whitmore@iowacentral.edu; or the Director of the Office for Civil Rights, U.S.

Department of Education, Citigroup Center, 500 W. Madison, Suite 1475, Chicago, IL 60661, phone number 312-730-1560, fax 312-730-1576.

### **Disability/Accommodation Services:**

If you have a request for an accommodation based on the impact of a disability, it is Iowa Central's policy that you contact the Academic Assistance & Accommodations Coordinator to discuss your specific needs and to provide supporting information and documentation, so we may determine appropriate accommodations. The office for accommodations is located in the Academic Resource Center, and it can be reached by calling 515-574-1045. For online information about accommodations, please go to [www.iowacentral.edu/accommodations](http://www.iowacentral.edu/accommodations).

### **Bias-Free Classroom Statement:**

The Emergency Medical Technician program maintains high standards of respect in regard to individual beliefs and values when selecting classroom materials including textbooks, project activities, power points, videos, presentations, and classroom discussions.

It is our belief that all people have the right to obtain an education within our department/program courses free of bias, with full respect demonstrated to all who enroll in the courses of this department/program.

**External Accreditation:** The Iowa Central Community College Paramedic program, on the Fort Dodge campus, is accredited by the Commission on Accreditation of Allied Health Education Programs ([www.caahep.org](http://www.caahep.org)) upon the recommendation of the Committee on Accreditation of Educational Programs for the Emergency Medical Services Professions (CoAEMSP).



Course Syllabus		
Course Name: NSC Paramedic 2 Course Number: EMS 761 Course Department: Health Science Course Term: Spring 2017 Revised: December 2016		
Room: AST 212	Day: Monday Day: Thursday	Time: 5 PM – 9 PM Time: 5 PM – 9 PM
Course Start Date: January 12, 2017		Course End Date: May 4, 2017
Instructors: Terry Evans, Paramedic, EMS-I Jared Zimmer, Paramedic, CCP, EMS-I	Office Location: AST 204	
E-mail Address: <a href="mailto:evans@iowacentral.edu">evans@iowacentral.edu</a> (Terry) <a href="mailto:zimmerfire@gmail.com">zimmerfire@gmail.com</a> (Jared)	Office Hours: Day: Monday Day: Thursday	Time: 4:30 PM – 5:00 PM (Terry) Time: 4:30 PM – 5:00 PM (Jared)
Phone: Terry: (515) 408-5901 Jared: (515) 418-5743	Or as scheduled by appointment	
Final Exam: Day: Monday		Date: May 1, 2017 Time: 5 PM

1. Total Semester Hour(s) Credit: 9.5
2. Total Contact Hours per Semester:
  - a. Lecture: 90    Lab: 30    Clinical: 150
3. Catalog Description: This course is a continuation of NSC Paramedic 1. Pulmonology, advanced airway management, cardiology, and neurology will be discussed. Students will complete a 150 hour clinical/field experience in the hospital/pre-hospital setting. Clinical shifts will be performed in the operating room, emergency department, coronary care department, respiratory therapy department, and ambulance (following the ACLS class).  
\*NSC = National Standard Curriculum
4. Pre-requisites and/or Co-requisites:
  - a. Prerequisite: NSC Paramedic 1
  - b. Co-Requisite: Advanced Cardiac Life Support Course (EMS 810)

5. Textbook Required:

- a. Paramedic Practice Today Above and Beyond Revised Reprint; Aehlert; ISBN: 978-128-402-9666
- b. Basic Arrhythmias 8<sup>th</sup> Edition; Walraven; ISBN: 9780134380995

6. Supplemental Materials Required: AHA Advanced Cardiac Life Support Provider Manual (2015 standards)

7. Institutional Outcomes:

- a. *Critical Thinking*: The ability to dissect a multitude of incoming information, sorting the pertinent from the irrelevant, in order to analyze, evaluate, synthesize, or apply the information to a defensible conclusion.
- b. *Effective Communication*: Information, thoughts, feelings, attitudes, or beliefs transferred either verbally or nonverbally through a medium in which the intended meaning is clearly and correctly understood by the recipient with the expectation of feedback.
- c. *Personal Responsibility*: Initiative to consistently meet or exceed stated expectations over time.

8. Department Outcomes:

- a. Provide effective education in emergency medical services and related areas to produce competent graduates that can practice as entry level nationally registered Paramedics. Program graduates should participate in personal development and career development activities.
- b. Provide programming that meets the needs of the customers that we serve.
- c. Provide encouragement to graduates to pursue career advancement in EMS education, management, or baccalaureate education.

9. Course Outcomes:

- a. The Paramedic student will be able to establish and/ or maintain a patent airway, oxygenate, and ventilate a patient.
- b. The Paramedic student will be able to integrate pathophysiological principles and assessment findings to formulate a field impression and implement the treatment plan for the patient with respiratory problems.
- c. The Paramedic student will be able to integrate pathophysiological principles and assessment findings to formulate a field impression and implement the treatment plan for the patient with cardiovascular disease.
- d. The Paramedic student will be able to integrate pathophysiological principles and assessment findings to formulate a field impression and implement the treatment plan for the patient with a neurological problem.
- e. Low, medium, and high fidelity simulation may be utilized to obtain psychomotor outcomes for this course.

10. Student Outcomes:

- a. At the completion of this unit, the Paramedic student will be able to establish and/ or maintain a patent airway, oxygenate, and ventilate a patient.
- b. At the completion of this unit, the Paramedic student will be able to integrate pathophysiological principles and assessment findings to formulate a field impression and implement the treatment plan for the patient experiencing respiratory, cardiovascular, or neurological symptoms.

## 11. College Procedures:

### a. Administrative Withdrawal Process

Administrative Withdrawal: An expectation of this course is that you will participate in all class meetings and conscientiously complete all required course activities and/or assignments. You will be notified via Iowa Central email and Triton Alerts when you have missed 15%, 20%, and 25%. It is your responsibility to check email and signup for Triton Alerts. After you miss 25% of scheduled class meetings, you will be administratively withdrawn from this course. You have the right to appeal the withdrawal to the Vice President of Instruction. Administrative withdrawal may have academic, scholarship, financial aid, and/or housing implications. If you have questions about the administrative withdrawal policy at any point during the semester, please contact me.

### b. Americans with Disabilities Act Statement:

As required by the Department of Education, it is the policy of Iowa Central Community College not to discriminate on the basis of race, creed, color, sexual orientation, gender identity, national origin, sex, disability, religion, or age in its programs, activities, or employment practices as required by the Iowa Code sections 216.9 and 256.10(2), Titles VI and VII of the Civil Rights Act of 1964 (42 U.S.C. § 2000d and 2000e), the Equal Pay Act of 1973 (29 U.S.C. § 206, et seq.), Title IX (Educational Amendments, 20 U.S.C. §§ 1681 – 1688), Section 504 (Rehabilitation Act of 1973, 29 U.S.C. § 794), and the Americans with Disabilities Act (42 U.S.C. § 12101, et seq.).

Individuals having questions or complaints related to compliance with this policy should contact the Vice President of Enrollment Management and Student Development or the Director of the Office for Civil Rights, U.S. Department of Education, Citigroup Center, 500 W. Madison, Suite 1475, Chicago, IL 60661, phone number 312/730-1560, fax 312/730-1576.

### c. Children in the Classroom: Students are not allowed to bring children into the classrooms, labs, shops, or hallways during class times.

### d. Class cancellation: Class cancellations will be posted on Triton Pass and emailed to students. Cancellations, including campus closings, are also available as text messages through Triton Alerts.

### e. Course withdrawal procedure:

1. The student will submit the withdrawal request online. This is located in WebAdvisor.
2. The instructor immediately receives an email telling him/her that the student has requested the drop.
3. The instructor will go into WebAdvisor and approve or deny the request.
4. If the instructor does not respond immediately, he/she will receive an email each night until the request is approved or denied.
5. If the instructor does not respond after two working days, the Health Science Dean will receive an email saying the instructor has not responded to the request yet.
6. Once the request is approved, the Student Records Office will withdraw the student based on the date the student submitted the request.

### f. Weather policy: In the event of extreme weather conditions necessitating closing the college, the following radio stations will be asked to announce the closing, starting at 6 am for day classes and 4 pm for evening classes: KVFD, KUEL, KKEZ, KIAQ, KQWC, KTPR, KHBT, KTLB, KAYL, and KDLS. Instructors may make final decisions on make-ups due to inclement weather. The final decision to attend college classes can only be

made by the individual based on his or her specific extenuating circumstances that may make it hazardous for him or her to travel. Students may sign-up for the Triton Alert system to receive weather related information sent to their e-mail or via text message (text messaging fees may apply). Any student who feels that they cannot safely make it to class due to inclement weather should notify the course instructor or EMS coordinator prior to the start of class.

#### 12. Grade Appeal Process:

- a. Students who believe a course grade they have received is inaccurate may seek an appeal. Please refer to the Student Handbook for more specific information.

#### 13. Special Assistance:

Iowa Central Community College offers a wide variety of individual help for students. We have academic assistance in the Academic Resource Center & Student Support Services/TRIO programs, a licensed counselor, a school nurse and services to help you map and achieve your goals. These services are free of charge and available to all Iowa Central students.

Academic Resource Center (ARC): 1-515-574-1045

Counselor: 1-515-574-1051

Triton Enrichment Center: 1-515-574-1192

Nurse: 1-515-574-1047

Student Support Services/TRIO: 1-515-574-1165

If you may need an accommodation based on the impact of a disability, please contact the Academic Assistance & Accommodations Coordinator to discuss your specific needs and to determine appropriate accommodations. The office for accommodations is located in the Academic Resource Center and can be reached by calling 515-574-1045. For online information about accommodations, please go to <http://www.iowacentral.edu/arc>

#### 14. Course Specific Policies:

##### a. Assessments:

- i. Quizzes – Short quizzes may be given throughout the course. Quizzes are not allowed to be made up unless a student is absent because of a college sponsored activity or military commitment. All unannounced quiz scores will be used in the calculation of the student's final grade.
- ii. Homework/Assignments – Assignments and homework may be assigned throughout the course. If you will not be in class it is your responsibility to submit any homework/assignments prior to the time due.
- iii. Practical skill labs – Practical skill labs are listed on the syllabus. You should plan on being there for all practical skill labs. Practical exam labs may not be made up unless you are absent for college sponsored activity or military commitment. Labs will be conducted using the NREMT-P practical exam standards and program skill sheets. All practical skills labs are graded as pass or fail. Students must pass the practical skills labs to be eligible for a satisfactory grade (C or above). To pass the practical skills labs, the student must demonstrate proficiency in all practical skills as determined by the instructor, coordinator, or instructor aides by the end of the course. Failure of practical skills labs will result in a failing grade or "F" for the course regardless of the student's didactic points.

We will be using equipment and supplies during practical skills lab that must be used under the direct supervision of an instructor, instructor aide, or EMS coordinator. At no time shall a student remove equipment or supplies from the practical skills lab area without the expressed approval of the instructor,

instructor aide, or EMS coordinator. Removal of equipment or supplies from the practical skills lab area without approval will result in disciplinary action up to and including removal from the program.

- iv. Exams – There will be unit exams and a cumulative final exam for the course. Exams may consist of multiple choice, true/false or short answer questions. Any missed examinations must be taken within two class meetings from the original testing date otherwise a zero will be given. **Students will receive a 10% point deduction for any missed exams.** Students will not be allowed to retake exams on which they have scored poorly. Any missed examinations must be taken within two class meetings from the original testing date otherwise a score of zero will be awarded for the examination. Students arriving more than five minutes late for exams will not be allowed to take the exam on the original exam date and will be required to take the exam under the missed examination policy as listed above.
- v. Clinical - The clinical portion of EMS-761 is pass/fail. To pass the clinical component, the student must demonstrate proficiency in all clinical skills as determined by the instructor, coordinator, preceptor, or instructor aides. All clinical skills must be performed under the direct supervision of a preceptor. In addition the student must complete a minimum of 90 hours of clinical time prior to the end date of the course to pass the clinical component of the course. Students must pass the clinical component to be eligible for a satisfactory grade (C or above). Failure of clinical skills or failing to complete the required hours/contacts by the end date of the course will result in a failing grade or “F” for the course regardless of the student’s didactic points. Removal of equipment or supplies from the clinical area without approval will result in disciplinary action up to and including removal from the program.

Upon completion of Iowa Central Community College course requirements the student can’t participate in field or clinical experiences as an Iowa Central Community College student.

Students who have not received approval for an extension of course requirements, due to extenuating circumstances, prior to the end date of the course can’t participate in field or clinical experience as an Iowa Central Community College student after the end date of class.

Students will adhere to all policies governing EMS Student Uniform and Personal Appearance.

- vi. Affective performance – Students will be evaluated on their affective performance. The affective domain evaluates how an individual reacts emotionally. Specifically students will be evaluated on their awareness and growth in the areas of attitude, emotions, and feelings as it relates to their instructors, preceptors, peers, and patient’s. Students will be given a rubric, at the beginning of class, explaining the point structure and specific areas evaluated using the affective domain.

**\*Please note that assessments are subject to change**

- b. Classroom Management and Behavior:
  - i. Use of cellular phones, two-way radios, and pagers during class will be at the discretion of the instructor. At no time should the use of these devices be distracting to other students in class. The instructor reserves the right to request that these devices NOT be operational during class and to dismiss any student from class that abuses this policy.

- ii. During classroom discussion or lecture, there will be respect displayed for the person speaking.
  - iii. Because of our fast-paced semester, I ask that you keep your questions relevant to the topic we are covering.
  - iv. Pay attention in class. Sometimes if you are distracted you may miss the answer to your question.
  - v. Be accountable for your actions. This will be helpful to you in your EMS studies.
  - vi. You may have food and drinks. If you spill anything, please clean it up immediately and dispose of your containers in the garbage.
  - vii. Students need to take responsibility for their own academic success. This includes reading the assigned readings, completing homework, and preparing for examinations and quizzes.
- c. **Communication:** Course instructors will dictate how they want to be contacted outside of normal class time. Students are expected to be respectful of course instructor's time and privacy. Whenever possible students should contact course instructors via e-mail. Please allow at least 72 hours for your instructor to respond to any e-mail correspondence. If contacting a course instructor by utilizing their private telephone number, cellular phone number, or text message it should only be done during the hours of 8 AM – 9 PM unless the instructor has explicitly given the student permission to contact them during other hours.
- d. **Computer Considerations:** Iowa Central Community College computers have Microsoft Word installed. Coursework created in "Works" and other programs may not open on college computers. Coursework should be saved in a Microsoft Office or PDF format. Excuses about disk or printer issues are not acceptable. Complete your work early and this will not be a problem. Please consult with your course instructor if you need clarification on how to save files.
- e. **Course Syllabus Agreement:** By remaining enrolled in NSC Paramedic 2, the student agrees to the policies contained in the syllabus. Students are given a chance to read and ask questions to clarify any information they do not understand. Students are expected to take responsibility for knowing the information contained in the EMS – 761 (NSC Paramedic 2) syllabus and will seek clarification as needed during their time in the NSC Paramedic 2 class.
- f. **Extra Credit Policy:** Extra credit is not awarded for this course.
- g. **Final Exam Policy:** If a student misses the final examination they receive a zero and will not be allowed to take the examination. Students arriving more than five minutes late for the final examination will not be allowed to take the exam.

No final will be administered before its schedule time; however, any student scheduled for more than two exams on a given day, or at the same time, will take the exam listed in the course listed first alphabetically by course prefix during the scheduled exam time. It will be up to the student and instructor in the course listed last alphabetically to arrange another exam time, if needed. The student must provide a current schedule to the instructor for verification. Any requests for the final examination be taken early must be approved by the Vice-President of Instruction.

- h. **Grading Policy/Scale:** For successful completion of NSC Paramedic 2, students must achieve a "C" average and complete a minimum of 150 hours of hospital based clinical rotations in the emergency department and outpatient surgery departments. The didactic portion of the Paramedic program is based on a point system. Coursework in NSC Paramedic 2 is weighted by category with some coursework carrying more weight than

other coursework. Points obtained on all coursework will be added together. The total possible points will divide this total. **The final percentage will not be rounded. Students will receive the actual percentage that they have earned.** The resulting percentile will be applied to the following scale:

A student must earn 75% (straight percentage no rounding) to achieve a "C".

92 – 100%	=	A
84 – 91%	=	B
75 – 83%	=	C
70 – 74%	=	D
69% and below	=	F

- i. **Group Work/Collaboration:** Group work/collaboration is allowed at the discretion of the instructor. The instructor will specifically indicate if group work/collaboration is allowed on a specific assignment. Unless directly indicated by the instructor it should be assumed that group work/collaboration is not allowed on assignments and such group work/collaboration is considered scholastic dishonesty and will be treated as such.
- j. **iNET Statement:** iNET will not be utilized for this course.
- k. **Late Work Policy:** If an assignment is not submitted the student will receive a zero. All assignments submitted after the time due will have a 25% point deduction per day that that they are late.
- l. **Participation/Attendance Policy:** An expectation of this course is that you will participate in all class meetings and conscientiously complete all required course activities and/or assignments. After you miss 25% of the course meetings, you will be administratively withdrawn from this course. *This class is scheduled to meet 30 times during the semester. When your number of absences has exceeded 30 hours, you will be withdrawn, and a "W" will appear on your transcript.* Absences must be reported to the course instructor or EMS Coordinator prior to the class. Daily attendance will be taken and entered into WebAdvisor. Participation points may be awarded at the discretion of the course instructor. In the event that you are absent from class you are not eligible for any participation points awarded during that class session.
- m. **Personal Responsibility:** Students need to take responsibility for their own academic success. This includes reading the assigned readings prior to class, completing homework on time, and adequately preparing for examinations and quizzes. In the event that a student knows that they will be absent from class or late to class they should make every effort to contact the course instructor or EMS Coordinator via e-mail or phone message as soon as possible. Students are responsible for making up course material prior to any absences unless an emergency arises.
- n. **Previous Work:** If a student wishes to submit work completed in another course to meet requirements of coursework for EMS-761 they must first seek the approval of the course instructor. Acceptance of previous coursework is at the discretion of the instructor. If a student does not seek prior approval from the course instructor any submittal of previous coursework will be considered scholastic dishonesty and will be treated as such.
- o. **Scholastic Dishonesty Policy:** Iowa Central Community College may initiate disciplinary proceedings against a student accused of scholastic dishonesty. Scholastic dishonesty includes, but is not limited to, cheating and plagiarizing. Plagiarism is presenting someone else's words as one's own. Whether in writing or in speaking.



Cheating and plagiarism, whether intentional or accidental, are serious offenses. An instructor who suspects a student of scholastic dishonesty will inform the student of the allegation as soon as possible. It is up to the instructor to determine the disciplinary action to be taken, which could include giving the student a zero for the assignment, reducing the student's grade for the course, assigning an "F" for the course, or other action. Complete details of this policy may be found in the Iowa Central Community College Student Handbook.

- p. **Standards for Written Work:** Standards for written coursework will be at the discretion of the course instructor and will be clearly indicated. Course instructors can require coursework to be typed and may have standards for grammar, punctuation, etc. If MLA or APA format is required it will be indicated by the course instructor
- q. **Teaching Philosophy:** Power point presentations, small and large group discussions and activities, audio-visual material, computer interactive software, practical skill labs/demonstrations will be used. Students will practice skills on each other during the course of practical skill labs. All skills practice will be conducted under the direct supervision of course instructors. Students should report any conduct that they deem inappropriate immediately to the course instructor or EMS Coordinator.
- r. **Turnitin.com:** Turnitin.com may be utilized, in this course, at the discretion of the instructor.
- s. **Technology in the classroom:** Students are encouraged to bring laptops and other technology to class to facilitate their learning. All technology use during class time should be used to facilitate learning about the subject being discussed. If this privilege is abused or others in class are distracted by your use of technology you will be asked to refrain from bringing technological devices to future classes.
- t. **Certification Exam Eligibility:** Per Iowa Code 641 – 131.4(1g) "When a student's EMS Student Registration or a candidate's EMS Certification Application is referred to the department for investigation, or when a student or candidate is otherwise under investigation by the department, the individual shall not be eligible for certification, and the practical examination results will not be confirmed with the NREMT, until the individual is approved by the department."
- u. **ACLS –** Students are required to attend an ACLS class in order to successfully complete NSC Paramedic 2 (EMS 761). Students may be no more than 15 minutes late to the 16 hour class conducted at Iowa Central Community College. Students who arrive more than 15 minutes late will not be allowed to continue with the ACLS class and will have to obtain the class on their own at their own expense.

*Our role is to facilitate your learning. If you have questions or concerns about your grades, study skills, performance, or need clarification of lecture material, please see us during office hours or make an appointment with us.*

Course Schedule:

Date	Topic	Assignment	Time Allotted
1/12	Pulmonology	Chapter 21	4 hours
1/16	Airway Management and Ventilation	Chapter 14	4 hours
1/19	Basic Airway Management Lab/Skills		4 hours
1/23	Airway Management and Ventilation Intubation Practice Lab	Chapter 14	2 hours 2 hours
1/26	<b>Chapter 21/Chapter 14 Exam</b> Cardiology Introduction	Chapter 22 (735 – 744)	2 hours 2 hours
1/30	Cardiology – Electrophysiology/EKG monitoring	Chap. 22 (744 – 762) BA Chap 1 & 2 Lab	3 hours 1 hour
2/2	Cardiology – Rhythm interpretation (Sinus Rhythms)	Chap. 22 (762 – 770) BA Chap 3 & 4 Lab	3 hours 1 hour
2/6	Cardiology – Atrial Rhythms	Chap. 22 (770 – 784) BA Chap 5 Lab	3 hours 1 hour
2/9	Cardiology – Junctional Rhythms	Chap. 22 (784 – 787) BA Chap 6 Lab	3 hours 1 hour
2/13	Cardiology – Heart Blocks	Chap. 22 (795 – 803) BA Chap 7 Lab	3 hours 1 hour
2/16	Cardiology – Ventricular Rhythms	Chap. 22 (787 – 795) BA Chap 8 Lab	3 hours 1 hour
2/20	Cardiology – Conductive disorders/assessment	Chap.22 (803 – 807)	4 hours
2/23	Cardiology – 12 lead interpretation	Chap. 22 (807 – 827) BA - Appendix C & D Lab	3 hours 1 hour
2/27	Cardiology – Cardiac emergencies/Cardiac medications	Chapter 22 (827 – 845) Lab	3 hours 1 hour
3/2	Cardiology – Cardiac emergencies/Cardiac medications	Chapter 22 (845 – 864)	4 hours
3/6	Cardiology – Cardiac Emergencies Review of Rhythm Strips	Chapter 22 (864 – 882)	3 hours 1 hour

3/9	Cardiology – Review of ACLS Algorithms	Chapter 22	2 hours
		Lab	2 hours
<b>3/13</b>	<b>Spring Break Week – NO CLASS</b>		
<b>–</b>			
<b>3/17</b>			
3/20	Cardiology – Rhythm and medication review	Chapter 22	2 hours
		Lab	2 hours
3/23	Cardiology Review	Chapter 22	4 hours
3/27	<b>Cardiology Exam</b>	Chapter 22	4 hours
		BA – All Chapters	
3/30	ACLS prep/Mega Code practice/Lab	Chapter 22	3 hours
4/1	<b>ACLS Weekend</b>	ACLS Provider	16 hours
<b>–</b>		Manual	
4/2			
4/3	Neurology	Chapter 23	4 hours
4/6	Neurology/Neurology medications	Chapter 23	3 hours
		Lab	1 hour
4/10	<b>Neurology Chapter Exam</b>	Chapter 23	2 hours
	Skills Review		2 hours
4/13	<b>Easter Break – NO CLASS</b>		
4/17	Skills Review	Lab	4 hours
4/20	Cardiology Review	Chapter 22	2 hours
		Lab	2 hours
4/24	Skills Review		4 hours
4/27	Review for final exam	Chapters 14, 21 – 23; BA	4 hours
5/1	<b>Final Exam</b>		4 hours

\* *Syllabus is subject to change.*

*Students will be notified of any changes in advance of when the changes take place.*

*All reading assignments are from Paramedic Practice Today Above and Beyond Revised Reprint (2012) unless otherwise noted. Reading assignments noted (BA) are from Basic Arrhythmias 8<sup>th</sup> edition.*

**IOWA CENTRAL COMMUNITY COLLEGE  
EMS PROGRAMS**

**SYLLABUS ACCOUNTABILITY DECLARATION**

I have received a copy of the EMS – 761 (NSC Paramedic 2) syllabus at Iowa Central Community College.

I have had a chance to read it and ask questions to clarify any information I did not understand.

I take responsibility for knowing the information contained in the EMS – 761 (NSC Paramedic 2) syllabus and will seek clarification as needed during my time in the NSC Paramedic 1 class.

Student Signature: \_\_\_\_\_

Student Printed Name: \_\_\_\_\_

Date \_\_\_\_/\_\_\_\_/\_\_\_\_

**Original to student file**



**Course Name:** NSC Paramedic 3

**Course Number:** EMS 762

**Course Department:** STEM

**Course Term:** Summer 2018

**Last Revised by Department:** July 2017

**Total Semester Hour(s) Credit:** 6.5

**Total Contact Hours per Semester:**

Lecture: 60 Lab: 30 Clinical: 90

**Catalog Description:** This course is a continuation of NSC Paramedic 1 and 2. Head, ear, eye, nose, and throat disorders, endocrinology, immunology, gastroenterology, renal/urology, medical musculoskeletal disorders, cutaneous, toxicology, hematology, and infectious/communicable diseases, behavioral emergencies, gynecological emergencies, obstetrics, neonatology, pediatrics, geriatrics, and abuse/assault will be discussed. In addition students will discuss environmental emergencies, thoracic drainage systems, collagen vascular diseases, basic blood chemistries, central line monitoring and patients with agitated delirium. Students will complete 90 hour clinical experience in the hospital and prehospital setting. Clinical emphasis will be devoted to the emergency department, intensive care unit, coronary care unit, pediatrics, labor and delivery, and psychiatric departments. Students may begin field experience time with prehospital EMS agencies.

\*NSC = National Standard Curriculum.

**Pre-requisites and/or Co-requisites:**

- Prerequisites - NSC Paramedic 2 and EMS 810 Advanced Cardiac Life Support

**Textbook(s) Required:**

- AAOS: Nancy Caroline's Emergency Care in the Streets 8<sup>th</sup> Edition; Pollak; ISBN: 9781284095340

**Access Code:** None

**Materials Required:** None

**Suggested Materials:** Good quality stethoscope, boots/shoes, and EMS pants for clinical rotations.

### **Institutional Outcomes:**

**Critical Thinking:** The ability to dissect a multitude of incoming information, sorting the pertinent from the irrelevant, in order to analyze, evaluate, synthesize, or apply the information to a defensible conclusion.

**Effective Communication:** Information, thoughts, feelings, attitudes, or beliefs transferred either verbally or nonverbally through a medium in which the intended meaning is clearly and correctly understood by the recipient with the expectation of feedback.

**Personal Responsibility:** Initiative to consistently meet or exceed stated expectations over time.

**Department/Program Outcomes:** To prepare competent entry-level Paramedics in the cognitive (knowledge), psychomotor (skills), and affective (behavioral) learning domains with or without exit points at the Advanced Emergency Medical Technician and/or Emergency Medical Technician, and/or Emergency Medical Responder levels.

### **Student Learning Outcomes:**

- a. At the completion of this unit, the Paramedic student will be able to integrate pathophysiological principles and assessment findings to formulate a field impression and implement the treatment plan for the patient experiencing a head, ear, eye, nose, throat, endocrine problem, immunology, gastroenterologic problem, urologic problem, medical musculoskeletal disorders, cutaneous, toxicology exposure, hematopoietic problem, agitated delirium or a patient with infectious or communicable diseases.
- b. At the completion of this unit, the Paramedic student will understand and implement the concepts of environmental emergencies, thoracic drainage systems, collagen vascular diseases, basic blood chemistries, central line monitoring.
- c. At the completion of this unit, the paramedic student will be able to integrate pathophysiological principles and assessment findings to formulate a field impression and implement the treatment plan for the behavioral emergency, gynecological emergency and obstetric patient.
- d. At the completion of this unit, the paramedic student will be able to integrate pathophysiological principles and assessment findings to formulate a field impression and implement the treatment plan for neonatal, pediatric, and geriatric patients.

**Course Objectives:**

- a. The paramedic student will be able to integrate pathophysiological principles and assessment findings to formulate a field impression and implement a treatment plan for the patient with an endocrine problem.
- b. The paramedic student will be able to integrate pathophysiological principles and assessment findings to formulate a field impression and implement a treatment plan for the patient with an allergic or anaphylactic reaction.
- c. The paramedic student will be able to integrate pathophysiological principles and assessment findings to formulate a field impression and implement the treatment plan for the patient with a gastroenterologic problem.
- d. The paramedic student will be able to integrate pathophysiological principles and the assessment findings to formulate a field impression and implement a treatment plan for the patient with a renal or urologic problem.
- e. The paramedic student will be able to integrate pathophysiological principles and assessment findings to formulate a field impression and implement a treatment plan for the patient with a toxic exposure.
- f. The paramedic student will be able to integrate the pathophysiological principles of the hematopoietic system to formulate a field impression and implement a treatment plan.
- g. The paramedic student will be able to integrate pathophysiological principles and assessment findings to formulate a field impression and implement a management plan for the patient with head, ear, eye, nose and throat disorders.
- h. The paramedic student will be able to integrate pathophysiological principles and assessment findings to formulate a field impression and implement a management plan for the patient with infectious and communicable diseases.
- i. The paramedic student will be able to integrate pathophysiological principles and assessment findings to formulate a field impression and implement a management plan for the patient with medical disorder with a medical cause.
- j. The paramedic student will be able to integrate pathophysiological principles and assessment findings to formulate a field impression and implement a management plan for the patient with cutaneous diseases.
- k. The paramedic student will be able to integrate pathophysiological principles and assessment findings to formulate a field impression and implement a management plan for the patient with an environmental emergency.
- l. The paramedic student will be able to integrate pathophysiological principles and assessment findings to formulate a field impression and implement a management plan for the patient with thoracic drainage system or central line complication.

- m. The paramedic student will be able to integrate pathophysiological principles and assessment findings to formulate a field impression and implement a management plan for the patient with collagen vascular diseases.
- n. The paramedic student will be able to integrate pathophysiological principles and assessment findings for basic blood chemistries.
- o. The paramedic student will be able to integrate pathophysiological principles and assessment findings to formulate a field impression and implement a management plan for the patient with agitated delirium.
- p. The paramedic student will be able to describe and demonstrate safe, empathetic competence in caring for patients with behavioral emergencies.
- q. The paramedic student will be able to utilize gynecological principles and assessment findings to formulate a field impression and implement the management plan for the patient experiencing a gynecological emergency.
- r. The paramedic student will be able to apply an understanding of the anatomy and physiology of the female reproductive system to the assessment and management of a patient experiencing normal or abnormal labor.
- s. The paramedic student will be able to integrate pathophysiological principles and assessment findings to formulate a field impression and implement the treatment plan for the neonatal patient.
- t. The paramedic student will be able to integrate pathophysiological principles and assessment findings to formulate a field impression and implement the treatment plan for the pediatric patient.
- u. The paramedic student will be able to integrate the pathophysiological principles and the assessment findings to formulate and implement a treatment plan for the geriatric patient.
- v. The paramedic student will be able to integrate the assessment findings to formulate a field impression and implement a treatment plan for the patient who has sustained abuse or assault.

**College Procedures:** All college-wide procedures are located in the Iowa Central Community College Student Handbook.

**Assessments:**

- a. Quizzes – Short quizzes may be given throughout the course. Quizzes are not allowed to be made up unless a student is absent because of a college sponsored activity or military commitment. All unannounced quiz scores will be used in the calculation of the student's final grade.
- b. Homework/Assignments – Assignments and homework may be assigned throughout the course. If you will not be in class it is your responsibility to submit any homework/assignments prior to the time due.
- c. Practical skill labs – You should plan on attending class for all practical skill labs. Practical exam labs may only be made up at the discretion of



your instructor unless you are absent for college sponsored activity or military commitment. Labs will be conducted utilizing the 2015 Paramedic Psychomotor Competency Portfolio standards. All practical skills labs are graded as pass or fail. To pass the practical skills lab portion of the course, the student must demonstrate a 78% proficiency, at a minimum, in all practical skills as determined by classmates (peer evaluations), the instructor, instructor aides, or EMS Coordinator. Failure to complete the Paramedic Psychomotor Competency Portfolio by the end of the Paramedic program will result in the student not being approved for National Registry cognitive and psychomotor testing.

We will be using equipment and supplies during practical skills lab that must be used under the direct supervision of an instructor, instructor aide, or EMS coordinator. At no time shall a student remove equipment or supplies from the practical skills lab area without the expressed approval of the instructor, instructor aide, or EMS coordinator. Removal of equipment or supplies from the practical skills lab area without approval will result in disciplinary action up to and including removal from the program.

- d. Exams – There will be unit exams and a cumulative final exam for the course. Exams may consist of multiple choice, true/false or short answer questions. Any missed examinations must be taken within two class meetings from the original testing date otherwise a zero will be given. **Students will receive a 10% point deduction for any missed exams.** Students will not be allowed to retake exams on which they have scored poorly. Any missed examinations must be taken within two class meetings from the original testing date otherwise a score of zero will be awarded for the examination. Students arriving more than five minutes late for exams will not be allowed to take the exam.
- e. Clinical - The clinical portion of EMS-763 is pass/fail. To pass the clinical component, the student must demonstrate proficiency in all clinical skills as determined by the instructor, coordinator, preceptor, or instructor aides. All clinical skills must be performed under the direct supervision of a preceptor. In addition the student must complete a minimum of 90 hours of clinical/field time prior to the end date of the course to pass the clinical component of the course. Students must pass the clinical component to be eligible for a satisfactory grade (C or above). Failure of clinical skills or failing to complete the required hours/contacts by the end date of the course will result in a failing grade or “F” for the course regardless of the student’s didactic points. Removal of equipment or supplies from the clinical area without approval will result in disciplinary action up to and including removal from the program.
- f. Affective performance – Students will be evaluated on their affective performance. The affective domain evaluates how an individual reacts emotionally. Specifically students will be evaluated on their awareness and growth in the areas of attitude, emotions, and feelings as it relates to

their instructors, preceptors, peers, and patient's. Students will be given a rubric, at the beginning of class, explaining the point structure and specific areas evaluated using the affective domain.

**Weighting of assessments:**

1. Labs – 10% of final grade
2. Participation – 5% of final grade
3. Classwork – 10% of final grade
4. Exams – 60% of final grade
5. Finals – 15% of final grade

**Please note that assessments are subject to change**

**Non-discrimination Statement:**

It is the policy of Iowa Central Community College not to discriminate on the basis of race, color, national origin, sex, disability, age (employment), sexual orientation, gender identity, creed, religion, and actual or potential parental, family or marital status in its programs, activities, or employment practices as required by the Iowa Code §§ 216.6 and 216.9, Titles VI and VII of the Civil Rights Act of 1964 (42 U.S.C. §§ 2000d and 2000e), the Equal Pay Act of 1973 (29 U.S.C. § 206, et seq.), Title IX (Educational Amendments, 20 U.S.C. §§ 1681 – 1688), Section 504 (Rehabilitation Act of 1973, 29 U.S.C. § 794), Age Discrimination Act of 1975 (34 CFR Part 110), and Title II of the Americans with Disabilities Act (42 U.S.C. § 12101, et seq.).

If you have questions or complaints related to compliance with this policy, please contact Kim Whitmore, Director of Human Resources, phone number 515-574-1138, [whitmore@iowacentral.edu](mailto:whitmore@iowacentral.edu); or the Director of the Office for Civil Rights, U.S.

Department of Education, Citigroup Center, 500 W. Madison, Suite 1475, Chicago, IL 60661, phone number 312-730-1560, fax 312-730-1576.

**Disability/Accommodation Services:**

If you have a request for an accommodation based on the impact of a disability, it is Iowa Central's policy that you contact the Academic Assistance & Accommodations Coordinator to discuss your specific needs and to provide supporting information and documentation, so we may determine appropriate accommodations. The office for accommodations is located in the Academic Resource Center, and it can be reached by calling 515-574-1045. For online information about accommodations, please go to

[www.iowacentral.edu/accommodations](http://www.iowacentral.edu/accommodations).

**Bias-Free Classroom Statement:**

The Emergency Medical Technician program maintains high standards of respect in regard to individual beliefs and values when selecting classroom materials including textbooks, project activities, power points, videos, presentations, and classroom discussions.

It is our belief that all people have the right to obtain an education within our department/program courses free of bias, with full respect demonstrated to all who enroll in the courses of this department/program.

**External Accreditation:** The Iowa Central Community College Paramedic program, on the Fort Dodge campus, is accredited by the Commission on Accreditation of Allied Health Education Programs ([www.caahep.org](http://www.caahep.org)) upon the recommendation of the Committee on Accreditation of Educational Programs for the Emergency Medical Services Professions (CoAEMSP).



**Course Name:** NSC Paramedic 4

**Course Number:** EMS 763

**Course Department:** STEMM

**Course Term:** Fall 2017

**Last Revised by Department:** July 2017

**Total Semester Hour(s) Credit:** 9.5

**Total Contact Hours per Semester:**

Lecture: 90 Lab: 30 Clinical: 150

**Catalog Description:** This course is a continuation of NSC Paramedic 1-3. Care of the patient with special challenges and chronic illnesses will be discussed. Students will learn how to effectively manage a multiple casualty incident, gain Haz-Mat awareness, how to safely and effectively transport their patient, how to operate at a crime scene, and gain rescue awareness. Trauma and assessment based management will be discussed. Students will perform 150 hours of clinical time in the hospital and prehospital setting. Clinical emphasis will be devoted to the emergency department, intensive care unit, coronary care unit, pediatric department, labor and delivery department, and psychiatric department. Students will be expected to gain prehospital field experience on an ambulance or fire based EMS service.

\*NSC = National Standard Curriculum.

**Pre-requisites and/or Co-requisites:**

- Prerequisite - EMS 762 NSC Paramedic 3
- Co-requisite - EMS 815 Pediatric Advanced Life Support

**Textbook(s) Required:**

1. Paramedic Practice Today Above and Beyond Revised Reprint; Aehlert; ISBN: 978-128-402-9666
2. Pediatric Advanced Life Support Provider Manual (2010); American Heart Association; ISBN: 978-1-61669-1127

**Access Code:** None

**Materials Required:** None

**Suggested Materials:** None

**Institutional Outcomes:**

**Critical Thinking:** The ability to dissect a multitude of incoming information, sorting the pertinent from the irrelevant, in order to analyze, evaluate, synthesize, or apply the information to a defensible conclusion.

**Effective Communication:** Information, thoughts, feelings, attitudes, or beliefs transferred either verbally or nonverbally through a medium in which the intended meaning is clearly and correctly understood by the recipient with the expectation of feedback.

**Personal Responsibility:** Initiative to consistently meet or exceed stated expectations over time.

**Department/Program Outcomes:** To prepare competent entry-level Paramedics in the cognitive (knowledge), psychomotor (skills), and affective (behavioral) learning domains with or without exit points at the Advanced Emergency Medical Technician and/or Emergency Medical Technician, and/or Emergency Medical Responder levels.

**Student Learning Outcomes:**

- a. At the completion of this unit, the paramedic student will be able to integrate pathophysiological principles and assessment findings to formulate a field impression and implement the treatment plan for patients with diverse backgrounds and chronically ill patients.
- b. At the completion of this unit, the paramedic student will be able to integrate pathophysiological principles and assessment findings to formulate a field impression and implement the treatment plan for the trauma patient.
- c. At the completion of this unit, the paramedic student will be able to integrate pathophysiological principles and assessment findings to formulate a field impression and implement the treatment plan for patients with common complaints.
- d. At the completion of this unit, the paramedic student will be able to safely manage the scene of an emergency.

**Course Objectives:**

- a. The paramedic student will be able to integrate pathophysiological and psychosocial principles to adapt the assessment and treatment plan for diverse patients and those who face physical, mental, social and financial challenges.
- b. The paramedic student will be able to integrate the pathophysiological principles and the assessment findings to formulate a field impression and

implement a treatment plan for the acute deterioration of a chronic care patient.

- c. The paramedic student will be able to integrate pathophysiological principles and assessment findings to formulate a field impression and implement the treatment plan for the patient with an environmentally induced or exacerbated medical or traumatic condition.
- d. The Paramedic student will be able to integrate the principles of kinematics to enhance the patient assessment and predict the likelihood of injuries based on the patient's mechanism of injury.
- e. The paramedic student will be able to integrate pathophysiological principles and assessment findings to formulate a field impression and implement the treatment plan for the patient with shock or hemorrhage.
- f. The paramedic student will be able to integrate pathophysiological principles and the assessment findings to formulate a field impression and implement the treatment plan for the patient with soft tissue trauma.
- g. The paramedic student will be able to integrate pathophysiological principles and the assessment findings to formulate a field impression and implement the management plan for the patient with a burn injury.
- h. The paramedic student will be able to integrate pathophysiological principles and the assessment findings to formulate a field impression and implement a treatment plan for the trauma patient with a suspected head injury.
- i. The paramedic student will be able to integrate pathophysiological principles and the assessment findings to formulate a field impression and implement a treatment plan for the patient with a suspected spinal injury.
- j. The paramedic student will be able to integrate pathophysiological principles and the assessment findings to formulate a field impression and implement a treatment plan for a patient with a thoracic injury.
- k. The paramedic student will be able to integrate pathophysiological principles and the assessment findings to formulate a field impression and implement the treatment plan for the patient with suspected abdominal trauma.
- l. The paramedic student will be able to integrate pathophysiological principles and the assessment findings to formulate a field impression and implement the treatment plan for the patient with a musculoskeletal injury.
- m. The paramedic student will be able to integrate the principles of assessment based management to perform an appropriate assessment and implement the management plan for patients with common complaints.
- n. The paramedic will understand standards and guidelines that help ensure safe and effective ground and air medical transport.
- o. The paramedic student will be able to integrate the principles of general incident management and multiple casualty incident (MCI) management techniques in order to function effectively at major incidents.

- p. The paramedic student will be able to integrate the principles of rescue awareness and operations to safely rescue a patient from water, hazardous atmospheres, trenches, highways, and hazardous terrain.
- q. The paramedic student will be able to evaluate hazardous materials emergencies, call for appropriate resources, and work in the cold zone.
- r. The paramedic student will have an awareness of the human hazard of crime and violence and the safe operation at crime scenes and other emergencies.

**College Procedures:** All college-wide procedures are located in the Iowa Central Community College Student Handbook.

**Assessments:**

- a. Quizzes – Short quizzes may be given throughout the course. Quizzes are not allowed to be made up unless a student is absent because of a college sponsored activity or military commitment. All unannounced quiz scores will be used in the calculation of the student's final grade.
- b. Homework/Assignments – Assignments and homework may be assigned throughout the course. If you will not be in class it is your responsibility to submit any homework/assignments prior to the time due.
- c. Practical skill labs – You should plan on attending class for all practical skill labs. Practical exam labs may only be made up at the discretion of your instructor unless you are absent for college sponsored activity or military commitment. Labs will be conducted utilizing the 2015 Paramedic Psychomotor Competency Portfolio standards. All practical skills labs are graded as pass or fail. To pass the practical skills lab portion of the course, the student must demonstrate a 78% proficiency, at a minimum, in all practical skills as determined by classmates (peer evaluations), the instructor, instructor aides, or EMS Coordinator. Failure to complete the Paramedic Psychomotor Competency Portfolio by the end of the Paramedic program will result in the student not being approved for National Registry cognitive and psychomotor testing.

We will be using equipment and supplies during practical skills lab that must be used under the direct supervision of an instructor, instructor aide, or EMS coordinator. At no time shall a student remove equipment or supplies from the practical skills lab area without the expressed approval of the instructor, instructor aide, or EMS coordinator. Removal of equipment or supplies from the practical skills lab area without approval will result in disciplinary action up to and including removal from the program.

- d. Exams – There will be unit exams and a cumulative final exam for the course. Exams may consist of multiple choice, true/false or short answer questions. Any missed examinations must be taken within two

class meetings from the original testing date otherwise a zero will be given. **Students will receive a 10% point deduction for any missed exams.** Students will not be allowed to retake exams on which they have scored poorly. Any missed examinations must be taken within two class meetings from the original testing date otherwise a score of zero will be awarded for the examination. Students arriving more than five minutes late for exams will not be allowed to take the exam.

- e. Clinical - The clinical portion of EMS-763 is pass/fail. To pass the clinical component, the student must demonstrate proficiency in all clinical skills as determined by the instructor, coordinator, preceptor, or instructor aides. All clinical skills must be performed under the direct supervision of a preceptor. In addition the student must complete a minimum of 150 hours of clinical/field time prior to the end date of the course to pass the clinical component of the course. Students must pass the clinical component to be eligible for a satisfactory grade (C or above). Failure of clinical skills or failing to complete the required hours/contacts by the end date of the course will result in a failing grade or "F" for the course regardless of the student's didactic points. Removal of equipment or supplies from the clinical area without approval will result in disciplinary action up to and including removal from the program.
- f. Affective performance – Students will be evaluated on their affective performance. The affective domain evaluates how an individual reacts emotionally. Specifically students will be evaluated on their awareness and growth in the areas of attitude, emotions, and feelings as it relates to their instructors, preceptors, peers, and patient's. Students will be given a rubric, at the beginning of class, explaining the point structure and specific areas evaluated using the affective domain.

**Weighting of assessments:**

- 1. Labs – 10% of final grade
- 2. Participation – 10% of final grade
- 3. Homework – 5% of final grade
- 4. Exams – 60% of final grade
- 5. Finals – 15% of final grade

**Please note that assessments are subject to change**



**Non-discrimination Statement:**

It is the policy of Iowa Central Community College not to discriminate on the basis of race, color, national origin, sex, disability, age (employment), sexual orientation, gender identity, creed, religion, and actual or potential parental, family or marital status in its programs, activities, or employment practices as required by the Iowa Code §§ 216.6 and 216.9, Titles VI and VII of the Civil Rights Act of 1964 (42 U.S.C. §§ 2000d and 2000e), the Equal Pay Act of 1973 (29 U.S.C. § 206, et seq.), Title IX (Educational Amendments, 20 U.S.C. §§ 1681 – 1688), Section 504 (Rehabilitation Act of 1973, 29 U.S.C. § 794), Age Discrimination Act of 1975 (34 CFR Part 110), and Title II of the Americans with Disabilities Act (42 U.S.C. § 12101, et seq.).

If you have questions or complaints related to compliance with this policy, please contact Kim Whitmore, Director of Human Resources, phone number 515-574-1138, whitmore@iowacentral.edu; or the Director of the Office for Civil Rights, U.S. Department of Education, Citigroup Center, 500 W. Madison, Suite 1475, Chicago, IL 60661, phone number 312-730-1560, fax 312-730-1576.

**Disability/Accommodation Services:**

If you have a request for an accommodation based on the impact of a disability, it is Iowa Central's policy that you contact the Academic Assistance & Accommodations Coordinator to discuss your specific needs and to provide supporting information and documentation, so we may determine appropriate accommodations. The office for accommodations is located in the Academic Resource Center, and it can be reached by calling 515-574-1045. For online information about accommodations, please go to [www.iowacentral.edu/accommodations](http://www.iowacentral.edu/accommodations).

**Bias-Free Classroom Statement:**

The Emergency Medical Technician program maintains high standards of respect in regard to individual beliefs and values when selecting classroom materials including textbooks, project activities, power points, videos, presentations, and classroom discussions.

It is our belief that all people have the right to obtain an education within our department/program courses free of bias, with full respect demonstrated to all who enroll in the courses of this department/program.

**External Accreditation:** The Iowa Central Community College Paramedic program, on the Fort Dodge campus, is accredited by the Commission on Accreditation of Allied Health Education Programs ([www.caahep.org](http://www.caahep.org)) upon the recommendation of the Committee on Accreditation of Educational Programs for the Emergency Medical Services Professions (CoAEMSP).



**Course Name:** Pediatric Advanced Life Support (PALS)

**Course Number:** EMS 815

**Course Department:** STEMM

**Course Term:** Fall 2017

**Last Revised by Department:** July 2017

**Total Semester Hour(s) Credit:** 1.0

**Total Contact Hours per Semester:**

Lecture: 15 Lab: 0 Clinical: 0

**Catalog Description:** This course is designed to provide the student with the knowledge and skills necessary to care for newborn and pediatric patients in emergency medical situations. Treatment protocols will be based on the current American Heart Association guidelines. Completion of a cardiac dysrhythmias course is highly recommended. If a cardiac dysrhythmias course has not been taken students must seek approval from the EMS Coordinator prior to taking this course. This course is offered pass/fail.

**Pre-requisites and/or Co-requisites:**

- Prerequisite - EMT-P, or Paramedic certification, RN licensure, Respiratory Therapist licensure or completion of NSC Paramedic 3 (EMS 762)
- Co-requisite – NSC Paramedic 4 (EMS 763)

**Textbook(s) Required:** AHA Pediatric Advanced Life Support Provider Manual  
(Current Edition)

**Access Code:** None

**Materials Required:** None

**Suggested Materials:** None

## **Institutional Outcomes:**

**Critical Thinking:** The ability to dissect a multitude of incoming information, sorting the pertinent from the irrelevant, in order to analyze, evaluate, synthesize, or apply the information to a defensible conclusion.

**Effective Communication:** Information, thoughts, feelings, attitudes, or beliefs transferred either verbally or nonverbally through a medium in which the intended meaning is clearly and correctly understood by the recipient with the expectation of feedback.

**Personal Responsibility:** Initiative to consistently meet or exceed stated expectations over time.

**Department/Program Outcomes:** To prepare competent entry-level Paramedics in the cognitive (knowledge), psychomotor (skills), and affective (behavioral) learning domains with or without exit points at the Advanced Emergency Medical Technician and/or Emergency Medical Technician, and/or Emergency Medical Responder levels.

## **Student Learning Outcomes:**

- a. At the completion of this course participants will understand the concepts and methodologies of advanced pediatric cardiac life support. Participants will be able to utilize those concepts and methodologies to successfully treat a newborn or pediatric patient experiencing an emergency medical situation including respiratory or cardiac compromise.

## **Course Objectives:**

- a. Recognize the two most common pre-arrest syndromes and describe interventions to prevent cardiopulmonary arrest in the pediatric patient.
- b. Demonstrate the use of adjuncts for airway and mechanical breathing.
- c. Demonstrate proper techniques in Basic Life Support.
- d. Discuss the indications for emergency treatment of rhythm disturbances in children.
- e. Develop priorities for the management of shock, respiratory failure and cardiopulmonary arrest.

**College Procedures:** All college-wide procedures are located in the Iowa Central Community College Student Handbook.

## **Assessments:**

- a. Practical skill labs – You should plan on attending class for all practical skill labs. Labs will be conducted utilizing the current American Heart Association psychomotor standards. All practical skills labs are graded as pass or fail.

We will be using equipment and supplies during practical skills lab that must be used under the direct supervision of an instructor, instructor aide, or EMS coordinator. At no time shall a student remove equipment or supplies from the practical skills lab area without the expressed approval of the instructor, instructor aide, or EMS coordinator. Removal of equipment or supplies from the practical skills lab area without approval will result in disciplinary action up to and including removal from the program.

- b. Exams – There will be a cumulative final exam for the course provided by the American Heart Association. Students must successfully complete the exam based on the standards dictated by the American Heart Association.

**Please note that assessments are subject to change**

**Non-discrimination Statement:**

It is the policy of Iowa Central Community College not to discriminate on the basis of race, color, national origin, sex, disability, age (employment), sexual orientation, gender identity, creed, religion, and actual or potential parental, family or marital status in its programs, activities, or employment practices as required by the Iowa Code §§ 216.6 and 216.9, Titles VI and VII of the Civil Rights Act of 1964 (42 U.S.C. §§ 2000d and 2000e), the Equal Pay Act of 1973 (29 U.S.C. § 206, et seq.), Title IX (Educational Amendments, 20 U.S.C. §§ 1681 – 1688), Section 504 (Rehabilitation Act of 1973, 29 U.S.C. § 794), Age Discrimination Act of 1975 (34 CFR Part 110), and Title II of the Americans with Disabilities Act (42 U.S.C. § 12101, et seq.).

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**Disability/Accommodation Services:**

If you have a request for an accommodation based on the impact of a disability, it is Iowa Central's policy that you contact the Academic Assistance & Accommodations Coordinator to discuss your specific needs and to provide supporting information and documentation, so we may determine appropriate accommodations. The office for accommodations is located in the Academic Resource Center, and it can be reached by calling 515-574-1045. For online information about accommodations, please go to [www.iowacentral.edu/accommodations](http://www.iowacentral.edu/accommodations).

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**External Accreditation:** The Iowa Central Community College Paramedic program, on the Fort Dodge campus, is accredited by the Commission on Accreditation of Allied Health Education Programs ([www.caahep.org](http://www.caahep.org)) upon the recommendation of the Committee on Accreditation of Educational Programs for the Emergency Medical Services Professions (CoAEMSP).



Course Syllabus		
Course Name: NSC Paramedic 5 Course Number: EMS 764 Course Department: Health Science Course Term: Spring 2017 Revised: December 2016		
Room: AST 210	Day: Monday Day: Thursday	Time: 5 PM – 9 PM Time: 5 PM – 9 PM
Course Start Date: January 12, 2017		Course End Date: May 4, 2017
Instructors: Paul Arens, M.Ed., Paramedic, EMS-I Luke Winkelman, Paramedic, EMS-I		Office Location: AST 204
E-mail Address: <a href="mailto:arens@iowacentral.edu">arens@iowacentral.edu</a> (Paul) <a href="mailto:red dawn112000@gmail.com">reddawn112000@gmail.com</a> (Luke)		Office Hours: Day: Monday      Time: 4:30 PM – 5:00 PM (Luke) Day: Thursday    Time: 4:30 PM – 5:00 PM (Paul)
Phone: Paul: (515) 574-1300 or (515) 344-4192 Luke: (712) 790-0368		Or as scheduled by appointment
Final Exam: Day: Monday    Date: May 1, 2017    Time: 5 PM		

1. Total Semester Hour(s) Credit: 8.5
  2. Total Contact Hours per Semester:
    - a. Lecture: 75    Lab: 45    Clinical: 120
  3. Catalog Description: This course is a continuation of NSC Paramedic 1 – 4. Students will review previous program course content and practice NREMT Paramedic psychomotor examination skill stations. Students will prepare for the NREMT-Paramedic psychomotor and cognitive exams. Students will perform a 120 hour clinical/field experience to obtain program goals. The emphasis should be on a field internship with ambulance services and fire based EMS.
- \*NSC = National Standard Curriculum
4. Pre-requisites and/or Co-requisites:
    - a. Prerequisite: NSC Paramedic 4  
Pediatric Advanced Life Support (EMS 815)
    - b. Co-Requisite: Prehospital Trauma Life Support (EMS 820)

5. Textbook Required: Paramedic Practice Today Above and Beyond Revised Reprint; Aehlert; ISBN: 978-128-402-9666

6. Supplemental Materials Required: PHTLS Prehospital Trauma Life Support 8<sup>th</sup> Edition; NAEMT; ISBN: 978-1284092165

7. Institutional Outcomes:

- a. *Critical Thinking*: The ability to dissect a multitude of incoming information, sorting the pertinent from the irrelevant, in order to analyze, evaluate, synthesize, or apply the information to a defensible conclusion.
- b. *Effective Communication*: Information, thoughts, feelings, attitudes, or beliefs transferred either verbally or nonverbally through a medium in which the intended meaning is clearly and correctly understood by the recipient with the expectation of feedback.
- c. *Personal Responsibility*: Initiative to consistently meet or exceed stated expectations over time.

8. Department Outcomes:

- a. Provide effective education in emergency medical services and related areas to produce competent graduates that can practice as entry level nationally registered Paramedics. Program graduates should participate in personal development and career development activities.
- b. Provide programming that meets the needs of the customers that we serve.
- c. Provide encouragement to graduates to pursue career advancement in EMS education, management, or baccalaureate education.

9. Course Outcomes:

- a. The paramedic student will be able to integrate pathophysiological principles and assessment findings to formulate a field impression and implement the treatment plan for the patient with a medical or trauma emergency.
- b. The Paramedic student will be able to successfully integrate and apply the knowledge obtained in the Paramedic program to a variety of cognitive and psychomotor experiences.
- c. Low, medium, and high fidelity simulation may be utilized to obtain psychomotor outcomes for this course.

10. Student Outcomes:

- a. At the completion of this unit, the Paramedic student will be able to integrate pathophysiological principles and assessment findings to formulate a field impression and implement the treatment plan for the patient experiencing a medical to trauma emergency.
- b. At the completion of this unit, the paramedic student will be able to integrate pathophysiological principles and assessment findings to a variety of cognitive and psychomotor experiences and will be prepared to successfully complete the NREMT Paramedic cognitive and psychomotor examinations.

11. College Procedures:

- a. Administrative Withdrawal Process

Administrative Withdrawal: An expectation of this course is that you will participate in all class meetings and conscientiously complete all required course activities and/or assignments. You will be notified via Iowa Central email and Triton Alerts when you have missed 15%, 20%, and 25%. It is your responsibility to check email and sign up for Triton Alerts. After you miss 25% of scheduled class meetings, you will be administratively withdrawn from this course. You have the right to appeal the withdrawal to the Vice President of Instruction. Administrative withdrawal may have academic, scholarship, financial aid, and/or housing implications. If you have questions about the administrative withdrawal policy at any point during the semester, please contact me.

b. Americans with Disabilities Act Statement:

As required by the Department of Education, it is the policy of Iowa Central Community College not to discriminate on the basis of race, creed, color, sexual orientation, gender identity, national origin, sex, disability, religion, or age in its programs, activities, or employment practices as required by the Iowa Code sections 216.9 and 256.10(2), Titles VI and VII of the Civil Rights Act of 1964 (42 U.S.C. § 2000d and 2000e), the Equal Pay Act of 1973 (29 U.S.C. § 206, et seq.), Title IX (Educational Amendments, 20 U.S.C. §§ 1681 – 1688), Section 504 (Rehabilitation Act of 1973, 29 U.S.C. § 794), and the Americans with Disabilities Act (42 U.S.C. § 12101, et seq.).

Individuals having questions or complaints related to compliance with this policy should contact the Vice President of Enrollment Management and Student Development or the Director of the Office for Civil Rights, U.S. Department of Education, Citigroup Center, 500 W. Madison, Suite 1475, Chicago, IL 60661, phone number 312/730-1560, fax 312/730-1576.

- c. Children in the Classroom: Students are not allowed to bring children into the classrooms, labs, shops, or hallways during class times.
- d. Class cancelation: Class cancelations will be posted on Triton Pass and emailed to students. Cancelations, including campus closings, are also available as text messages through Triton Alerts.
- e. Course withdrawal procedure:
1. The student will submit the withdrawal request online. This is located in WebAdvisor.
  2. The instructor immediately receives an email telling him/her that the student has requested the drop.
  3. The instructor will go into WebAdvisor and approve or deny the request.
  4. If the instructor does not respond immediately, he/she will receive an email each night until the request is approved or denied.
  5. If the instructor does not respond after two working days, the Health Science Dean will receive an email saying the instructor has not responded to the request yet.
  6. Once the request is approved, the Student Records Office will withdraw the student based on the date the student submitted the request.
- f. Weather policy: In the event of extreme weather conditions necessitating closing the college, the following radio stations will be asked to announce the closing, starting at 6 am for day classes and 4 pm for evening classes: KVFD, KUEL, KKEZ, KIAQ, KQWC, KTPR, KHBT, KTLB, KAYL, and KDLS. Instructors may make final decisions on make-ups due to inclement weather. The final decision to attend college classes can only be made by the individual based on his or her specific extenuating circumstances that may make it hazardous for him or her to travel. Students may sign-up for the Triton Alert system to receive weather related information sent to their e-mail or via text message (text messaging fees may apply). Any student who feels that they cannot safely make it to class due to inclement weather should notify the course instructor or EMS coordinator prior to the start of class.



12. Grade Appeal Process:

- a. Students who believe a course grade they have received is inaccurate may seek an appeal. Please refer to the Student Handbook for more specific information.

13. Special Assistance:

Iowa Central Community College offers a wide variety of individual help for students. We have academic assistance in the Academic Resource Center & Student Support Services/TRIO programs, a licensed counselor, a school nurse and services to help you map and achieve your goals. These services are free of charge and available to all Iowa Central students.

Academic Resource Center (ARC): 1-515-574-1045

Counselor: 1-515-574-1051

Triton Enrichment Center: 1-515-574-1192

Nurse: 1-515-574-1047

Student Support Services/TRIO: 1-515-574-1165

If you may need an accommodation based on the impact of a disability, please contact the Academic Assistance & Accommodations Coordinator to discuss your specific needs and to determine appropriate accommodations. The office for accommodations is located in the Academic Resource Center and can be reached by calling 515-574-1045. For online information about accommodations, please go to <http://www.iowacentral.edu/arc>.

14. Course Specific Policies:

a. Assessments:

- i. Quizzes – Short quizzes may be given throughout the course. Quizzes are not allowed to be made up unless a student is absent because of a college sponsored activity or military commitment. All unannounced quiz scores will be used in the calculation of the student's final grade.
- ii. Homework/Assignments – Assignments and homework may be assigned throughout the course. If you will not be in class it is your responsibility to submit any homework/assignments prior to the time due.
- iii. Practical skill labs – Practical skill labs are listed on the syllabus. You should plan on being there for all practical skill labs. Practical exam labs may not be made up unless you are absent for college sponsored activity or military commitment. Labs will be conducted using the NREMT-P practical exam standards and program skill sheets. All practical skills labs are graded as pass or fail. Students must pass the practical skills labs to be eligible for a satisfactory grade (C or above). To pass the practical skills labs, the student must demonstrate proficiency in all practical skills as determined by the instructor, coordinator, or instructor aides by the end of the course. Failure of practical skills labs will result in a failing grade or "F" for the course regardless of the student's didactic points.

We will be using equipment and supplies during practical skills lab that must be used under the direct supervision of an instructor, instructor aide, or EMS coordinator. At no time shall a student remove equipment or supplies from the practical skills lab area without the expressed approval of the instructor, instructor aide, or EMS coordinator. Removal of equipment or supplies from the practical skills lab area without approval will result in disciplinary action up to and including removal from the program.

- iv. Exams – There will be unit exams and a cumulative final exam for the course. Exams may consist of multiple choice, true/false or short answer questions. Any missed examinations must be taken within two class meetings from the original

testing date otherwise a zero will be given. **Students will receive a 10% point deduction for any missed exams.** Students will not be allowed to retake exams on which they have scored poorly. Any missed examinations must be taken within two class meetings from the original testing date otherwise a score of zero will be awarded for the examination. Students arriving more than five minutes late for exams will not be allowed to take the exam on the original exam date and will be required to take the exam under the missed examination policy as listed above.

- v. Clinical - The clinical portion of EMS-764 is pass/fail. To pass the clinical component, the student must demonstrate proficiency in all clinical skills as determined by the instructor, coordinator, preceptor, or instructor aides. All clinical skills must be performed under the direct supervision of a preceptor. In addition the student must complete a minimum of 120 hours of clinical/field internship time, complete capstone requirements, and achieve all program clinical contact requirements prior to the end date of the course to pass the clinical/field internship component of the course. Students must pass the clinical/field internship component to be eligible for a satisfactory grade (C or above). Failure of clinical skills or failing to complete the required hours/contacts by the end date of the course will result in a failing grade or "F" for the course regardless of the student's didactic points. Removal of equipment or supplies from the clinical area without approval will result in disciplinary action up to and including removal from the program.

Upon completion of Iowa Central Community College course requirements the student can't participate in field or clinical experiences as an Iowa Central Community College student.

Students who have not received approval for an extension of course requirements, due to extenuating circumstances, prior to the end date of the course can't participate in field or clinical experience as an Iowa Central Community College student after the end date of class.

Students will adhere to all policies governing EMS Student Uniform and Personal Appearance.

- vi. Affective performance – Students will be evaluated on their affective performance. The affective domain evaluates how an individual reacts emotionally. Specifically students will be evaluated on their awareness and growth in the areas of attitude, emotions, and feelings as it relates to their instructors, preceptors, peers, and patient's. Students will be given a rubric, at the beginning of class, explaining the point structure and specific areas evaluated using the affective domain.
- vii. FISDAP Cumulative Paramedic Exam – Paramedic students must complete the FISDAP cumulative Paramedic exam and are **required** to receive an overall percentage of 73% in order to be recommended for NREMT written testing. Students are responsible for the cost of the exam (current cost is \$26.25 which includes one initial and one retest attempt). Statistics have shown that students who pass the FISDAP Paramedic cumulative exam with a 73% overall percentage have a 97% success rate on their first attempt at the NREMT cognitive Paramedic exam.

Students who do not achieve a 73% on their initial attempt at the FISDAP comprehensive exam will be required to present proof of remediation over content contained within the FISDAP exam learning prescription. The proof must be provided prior to the FISDAP comprehensive exam retest.

**\*Please note that assessments are subject to change**

- b. **Classroom Management and Behavior:**
- i. Use of cellular phones, two-way radios, and pagers during class will be at the discretion of the instructor. At no time should the use of these devices be distracting to other students in class. The instructor reserves the right to request that these devices NOT be operational during class and to dismiss any student from class that abuses this policy.
  - ii. During classroom discussion or lecture, there will be respect displayed for the person speaking.
  - iii. Because of our fast-paced semester, I ask that you keep your questions relevant to the topic we are covering.
  - iv. Pay attention in class. Sometimes if you are distracted you may miss the answer to your question.
  - v. Be accountable for your actions. This will be helpful to you in your EMS studies.
  - vi. You may have food and drinks. If you spill anything, please clean it up immediately and dispose of your containers in the garbage.
  - vii. Students need to take responsibility for their own academic success. This includes reading the assigned readings, completing homework, and preparing for examinations and quizzes.
- c. **Communication:** Course instructors will dictate how they want to be contacted outside of normal class time. Students are expected to be respectful of course instructor's time and privacy. Whenever possible students should contact course instructors via e-mail. Please allow at least 72 hours for your instructor to respond to any e-mail correspondence. If contacting a course instructor by utilizing their private telephone number, cellular phone number, or text message it should only be done during the hours of 8 AM – 9 PM unless the instructor has explicitly given the student permission to contact them during other hours.
- d. **Computer Considerations:** Iowa Central Community College computers have Microsoft Word installed. Coursework created in "Works" and other programs may not open on college computers. Coursework should be saved in a Microsoft Office or PDF format. Excuses about disk or printer issues are not acceptable. Complete your work early and this will not be a problem. Please consult with your course instructor if you need clarification on how to save files.
- e. **Course Syllabus Agreement:** By remaining enrolled in NSC Paramedic 5, the student agrees to the policies contained in the syllabus. Students are given a chance to read and ask questions to clarify any information they do not understand. Students are expected to take responsibility for knowing the information contained in the EMS – 764 (NSC Paramedic 5) syllabus and will seek clarification as needed during their time in the NSC Paramedic 5 class.
- f. **Extra Credit Policy:** Extra credit is not awarded for this course.
- g. **Final Exam Policy:** If a student misses the final examination they receive a zero and will not be allowed to take the examination. Students arriving more than five minutes late for the final examination will not be allowed to take the exam.

No final will be administered before its scheduled time; however, any student scheduled for more than two exams on a given day, or at the same time, will take the exam listed in the course listed first alphabetically by course prefix during the scheduled exam time. It will be up to the student and instructor in the course listed last alphabetically to arrange another exam time, if needed. The student must provide a current schedule to the instructor for verification. Any requests for the final examination be taken early must be approved by the Vice-President of Instruction.

- h. **Grading Policy/Scale:** For successful completion of NSC Paramedic 5, students must achieve a “C” average, complete a minimum of 120 hour field internship on ambulance or fire based EMS services, and complete all program patient contacts and/or skills as outlined in the FISDAP system. The didactic portion of the Paramedic program is based on a point system. Coursework in NSC Paramedic 5 is weighted by category with some coursework carrying more weight than other coursework. Points obtained on all coursework will be added together. The total possible points will divide this total. **The final percentage will not be rounded. Students will receive the actual percentage that they have earned.** The resulting percentile will be applied to the following scale:

A student must earn 75% (straight percentage no rounding) to achieve a “C”.

92 – 100%	=	A
84 – 91%	=	B
75 – 83%	=	C
70 – 74%	=	D
69% and below	=	F

- i. **Group Work/Collaboration:** Group work/collaboration is allowed at the discretion of the instructor. The instructor will specifically indicate if group work/collaboration is allowed on a specific assignment. Unless directly indicated by the instructor it should be assumed that group work/collaboration is not allowed on assignments and such group work/collaboration is considered scholastic dishonesty and will be treated as such.
- j. **iNET Statement:** iNET will not be utilized for this course.
- k. **Late Work Policy:** If an assignment is not submitted the student will receive a zero. All assignments submitted after the time due will have a 25% point deduction per day that that they are late.
- l. **Participation/Attendance Policy:** An expectation of this course is that you will participate in all class meetings and conscientiously complete all required course activities and/or assignments. After you miss 25% of the course meetings, you will be administratively withdrawn from this course. *This class is scheduled to meet 30 times during the semester. When your number of absences has exceeded 30 hours, you will be withdrawn, and a “W” will appear on your transcript.* Absences must be reported to the course instructor or EMS Coordinator prior to the class. Daily attendance will be taken and entered into WebAdvisor. Participation points may be awarded at the discretion of the course instructor. In the event that you are absent from class you are not eligible for any participation points awarded during that class session.
- m. **Personal Responsibility:** Students need to take responsibility for their own academic success. This includes reading the assigned readings prior to class, completing homework on time, and adequately preparing for examinations and quizzes. In the event that a student knows that they will be absent from class or late to class they should make every effort to contact the course instructor or EMS Coordinator via e-mail or phone message as soon as possible. Students are responsible for making up course material prior to any absences unless an emergency arises.
- n. **Previous Work:** If a student wishes to submit work completed in another course to meet requirements of coursework for EMS-764 they must first seek the approval of the course instructor. Acceptance of previous coursework is at the discretion of the instructor. If a student does not seek prior approval from the course instructor any submittal of previous coursework will be considered scholastic dishonesty and will be treated as such.

- o. **Scholastic Dishonesty Policy:** Iowa Central Community College may initiate disciplinary proceedings against a student accused of scholastic dishonesty. Scholastic dishonesty includes, but is not limited to, cheating and plagiarizing. Plagiarism is presenting someone else's words as one's own. Whether in writing or in speaking. Cheating and plagiarism, whether intentional or accidental, are serious offenses. An instructor who suspects a student of scholastic dishonesty will inform the student of the allegation as soon as possible. It is up to the instructor to determine the disciplinary action to be taken, which could include giving the student a zero for the assignment, reducing the student's grade for the course, assigning an "F" for the course, or other action. Complete details of this policy may be found in the Iowa Central Community College Student Handbook.
- p. **Standards for Written Work:** Standards for written coursework will be at the discretion of the course instructor and will be clearly indicated. Course instructors can require coursework to be typed and may have standards for grammar, punctuation, etc. If MLA or APA format is required it will be indicated by the course instructor
- q. **Teaching Philosophy:** Power point presentations, small and large group discussions and activities, audio-visual material, computer interactive software, practical skill labs/demonstrations will be used. Students will practice skills on each other during the course of practical skill labs. All skills practice will be conducted under the direct supervision of course instructors. Students should report any conduct that they deem inappropriate immediately to the course instructor or EMS Coordinator.
- r. **Turnitin.com:** Turnitin.com may be utilized, in this course, at the discretion of the instructor.
- s. **Technology in the classroom:** Students are encouraged to bring laptops and other technology to class to facilitate their learning. All technology use during class time should be used to facilitate learning about the subject being discussed. If this privilege is abused or others in class are distracted by your use of technology you will be asked to refrain from bringing technological devices to future classes.
- t. **Certification Exam Eligibility:** Per Iowa Code 641 – 131.4(1g) "When a student's EMS Student Registration or a candidate's EMS Certification Application is referred to the department for investigation, or when a student or candidate is otherwise under investigation by the department, the individual shall not be eligible for certification, and the practical examination results will not be confirmed with the NREMT, until the individual is approved by the department."

*Our role is to facilitate your learning. If you have questions or concerns about your grades, study skills, performance, or need clarification of lecture material, please see us during office hours or make an appointment with us.*

#### Course Schedule:

1/12	NREMT Paramedic Cognitive and Practical Review – Trauma Assessment	4 hours
1/16	NREMT Paramedic Cognitive and Practical Review – Trauma Assessment	4 hours

1/19	<b>EMS Testing Final Comprehensive Exam</b>	4 hours
1/23	<b>NREMT Paramedic Psychomotor EXAM – Trauma Assessment</b>	4 hours
1/26	NREMT Paramedic Cognitive and Practical Review – Oral Station	4 hours
1/30	NREMT Paramedic Cognitive and Practical Review – Oral Station	4 hours
2/2	NREMT Paramedic Cognitive and Practical Review – Oral Station	4 hours
2/6	NREMT Paramedic Cognitive and Practical Review – Oral Station	4 hours
2/9	<b>NREMT Paramedic Psychomotor EXAM – Oral Station</b>	4 hours
2/13	NREMT Paramedic Cognitive and Practical Review – Integrated Out of Hospital Scenario	4 hours
2/16	NREMT Paramedic Cognitive and Practical Review – Integrated Out of Hospital Scenario	3.5 hours
	PHTLS Pretest/Course Overview	0.5 hours
2/18	<b>PHTLS Psychomotor Session</b>	8 hours
2/20	NREMT Paramedic Cognitive and Practical Review – Integrated Out of Hospital Scenario	4 hours
2/23	<b>FISDAP COMPREHENSIVE EXAM – Initial Attempt</b>	4 hours
2/27	NREMT Paramedic Cognitive and Practical Review – Integrated Out of Hospital Scenario	4 hours
3/2	NREMT Paramedic Cognitive and Practical Review – Integrated Out of Hospital Scenario	4 hours
3/6	<b>NREMT Paramedic Psychomotor EXAM – Integrated Out of Hospital Scenario</b>	4 hours
3/9	<b>COMPREHENSIVE EXAM</b>	4 hours
3/13 - 3/17	<b>SPRING BREAK – NO CLASS</b>	
3/20	NREMT Paramedic Cognitive and Practical Review – Dynamic Cardiology	4 hours
3/23	NREMT Paramedic Cognitive and Practical Review – Dynamic Cardiology	4 hours
3/27	NREMT Paramedic Cognitive and Practical Review – Dynamic Cardiology	4 hours

3/30	<b>FISDAP COMPREHENSIVE EXAM – Retest Attempt</b>	4 hours
4/3	<b>NREMT Paramedic Psychomotor EXAM – Dynamic Cardiology</b>	4 hours
4/6	NREMT Paramedic Cognitive and Practical Review – Static Cardiology	4 hours
4/10	NREMT Paramedic Cognitive and Practical Review – Static Cardiology	4 hours
4/13	<b>EASTER BREAK – NO CLASS</b>	
4/17	NREMT Paramedic Cognitive and Practical Review – Static Cardiology	4 hours
4/20	NREMT Paramedic Cognitive and Practical Review – Static Cardiology	4 hours
4/24	<b>NREMT Paramedic Psychomotor EXAM – Static Cardiology</b>	4 hours
4/27	NREMT Exam Review/NSC Paramedic 5 Review	4 hours
5/1	<b>Final Exam</b>	4 hours

\* *Syllabus is subject to change.*

*Students will be notified of any changes in advance of when the changes take place.  
All reading assignments are from Paramedic Practice Today Above and Beyond Revised Reprint (2012)  
unless otherwise noted.*

**IOWA CENTRAL COMMUNITY COLLEGE  
EMS PROGRAMS**

**SYLLABUS ACCOUNTABILITY DECLARATION**

I have received a copy of the EMS – 764 (NSC Paramedic 5) syllabus at Iowa Central Community College.

I have had a chance to read it and ask questions to clarify any information I did not understand.

I take responsibility for knowing the information contained in the EMS – 764 (NSC Paramedic 5) syllabus and will seek clarification as needed during my time in the NSC Paramedic 5 class.

Student Signature: \_\_\_\_\_

Student Printed Name: \_\_\_\_\_

Date \_\_\_\_/\_\_\_\_/\_\_\_\_

**Original to student file**





**Course Name:** Emergency Medical Technician

**Course Number:** EMS 200

**Course Department:** STEMM

**Course Term:** Fall 2017

**Last Revised by Department:** July 2017

**Total Semester Hour(s) Credit:** 8.0

**Total Contact Hours per Semester:**

Lecture: 105 Lab: 30 Clinical: 32

**Catalog Description:** This course is a combined lecture/lab/clinical course which has been developed by the United States National Highway Traffic Safety Administration. The course follows the January 2009 National Emergency Medical Services Education Standards for the Emergency Medical Technician (EMT). This course provides the student an opportunity to supply cognitive knowledge and psychomotor skills in the classroom, hospital, and pre-hospital setting. Students receive a letter grade for the classroom and lab portions of the course. The clinical portion is graded on a pass/fail basis. Instruction is related to patient assessment in areas of basic life support, cardiac arrest, trauma, and medical emergencies. Students must complete a minimum of 32 hours of clinical/field time to successfully complete the course. Upon successful completion of this course students will be eligible to take National Registry of EMTs certification testing at the Emergency Medical Technician level. Students will be required to undergo a national criminal background check and State of Iowa child/adult abuse registry check prior to clinical rotations. Mandatory reporter training and a health physical are required prior to starting clinical/field rotations. The cost of obtaining these requirements is in addition to course tuition and fees. Information on how to satisfy these requirements will be distributed the first night of class.

**Pre-requisites and/or Co-requisites:** Must be 17 years of age at time of enrollment, be able to speak, write, and read English and possess a valid driver's license. Current BCLS recognition at the Healthcare Provider (American Heart Association) or Professional Rescuer (American Red Cross) level is required prior to starting class.

**Textbook(s) Required:** Emergency Care and Transportation of the Sick and Injured 11<sup>th</sup> Edition; Pollak; ISBN: 9781284106909

**Access Code:**

1. EMSTesting.com EMT Exam Access Card (Available through Iowa Central Bookstore or online at [www.emstesting.com](http://www.emstesting.com).)
2. Navigate 2.0 (Bundled with textbook through Iowa Central Bookstore)

**Materials Required:** None

**Suggested Materials:** None

**Institutional Outcomes:**

**Critical Thinking:** The ability to dissect a multitude of incoming information, sorting the pertinent from the irrelevant, in order to analyze, evaluate, synthesize, or apply the information to a defensible conclusion.

**Effective Communication:** Information, thoughts, feelings, attitudes, or beliefs transferred either verbally or nonverbally through a medium in which the intended meaning is clearly and correctly understood by the recipient with the expectation of feedback.

**Personal Responsibility:** Initiative to consistently meet or exceed stated expectations over time.

**Department/Program Outcomes:** To prepare competent entry-level Emergency Medical Technicians in the cognitive (knowledge), psychomotor (skills), and affective (behavioral) learning domains.

**Student Learning Outcomes:**

- a. Students will be able to apply fundamental knowledge of EMS systems, safety/well-being of the EMT, and medical/legal and ethical issues to the provision of emergency care.
- b. Students will be able to apply fundamental knowledge of the anatomy and function of all human systems to the practice of EMS.
- c. Students will be able to use foundational anatomical and medical terms and abbreviations in written and oral communication with colleagues and other health care professionals.
- d. Students will be able to apply fundamental knowledge of the pathophysiology of respiration and perfusion to the patient assessment and management.
- e. Students will be able to apply fundamental knowledge of life span development to patient assessment and management.
- f. Students will be able to use simple knowledge of the principles of illness and injury prevention in emergency care.
- g. Students will be able to apply fundamental knowledge of medications that the EMT may assist/administer to a patient during an emergency.

- h. Students will be able to apply fundamental knowledge of anatomy and physiology to patient assessment and management in order to assure patent airway, adequate mechanical ventilation, and respiration for patients of all ages.
- i. Students will be able to apply scene information and patient assessment findings (scene size-up, primary and secondary assessment, patient history, reassessment) to guide emergency management.
- j. Students will be able to apply fundamental knowledge to provide basic emergency care and transportation based on assessment findings for an acutely ill patient.
- k. Students will be able to apply fundamental knowledge of the causes, pathophysiology, and management of shock, respiratory failure, or arrest, cardiac failure or arrest, and post-resuscitation management.
- l. Students will be able to apply fundamental knowledge to provide basic emergency care and transportation based on assessment findings for an acutely injured patient.
- m. Students will be able to apply fundamental knowledge of growth, development, aging and assessment findings to provide basic emergency care and transportation for a patient with special needs.
- n. Students will be able to apply knowledge of operational roles and responsibilities to ensure patient, public, and personnel safety.

### **Course Objectives:**

#### **Cognitive Outcomes**

- a. Students will have knowledge of the current make-up of the modern EMS system including history of, types of systems, how to access the system, education, and authorization to practice.
- b. Students will have knowledge of the roles, responsibilities, and professionalism of EMS personnel.
- c. Students will have knowledge of the concept of quality improvement.
- d. Students will have knowledge of the concept of evidence based decision making and the impact of research on EMS care.
- e. Students will have knowledge of the concept of standard safety precautions, the use of personal protective equipment, how to manage stress, and the prevention of work-related injuries.
- f. Students will have knowledge of the equipment utilized in the lifting and moving of patients.
- g. Students will have knowledge of physical and mental wellness principles affecting EMS personnel.
- h. Students will have knowledge of the principles of medical documentation and report writing.
- i. Students will have knowledge of the team approach to EMS communications, communications system components, types of communication, and system maintenance.
- j. Students will have knowledge of the principle of therapeutic communication.

- k. Students will have knowledge of the different types of consent and the implications of consent on patient care.
- l. Students will have knowledge of the concepts of confidentiality, advanced directives, and tort and criminal actions.
- m. Students will have knowledge of the concepts of mandatory reporting, evidence preservation, and ethical principles which affect EMS personnel.
- n. Students will have knowledge of basic human anatomy and physiology that the EMT must know in order to effectively care for patients.
- o. Students will have knowledge of basic medical terminology forms, medical terms, and standard abbreviations and acronyms.
- p. Students will have knowledge of life span development from infancy to late adulthood. Psychological and physiological concepts of life span development will be discussed.
- q. Students will have knowledge of basic principles of public health including the role of public health, public health laws, regulations and guidelines, and how EMS interfaces with public health.
- r. Students will have knowledge of medication safety, forms of medications, routes of medications, and basic medication terminology.
- s. Students will have knowledge of the difference between assisting with and administering a medication, medication administration procedure, and medication delivery techniques.
- t. Students will have knowledge of which medications they may assist with and which medications they administer.
- u. Students will have knowledge of respiratory system anatomy and physiology, assessment, and techniques of assuring a patent airway.
- v. Students will have knowledge of assessment of adequate and inadequate ventilation.
- w. Students will have knowledge of the concepts of scene safety and scene management.
- x. Students will have knowledge of primary survey/primary assessment.
- y. Students will have knowledge of investigation of the chief complaint, components of patient history, techniques of history taking, developing a standardized approach to history taking, and taking history on sensitive topics.
- z. Students will have knowledge of techniques of physical examination of all body systems.
- aa. Students will have knowledge of pulse oximetry and non-invasive blood pressure monitoring.
- bb. Students will have knowledge of the importance of reassessing their patient's condition.
- cc. Students will have knowledge of how all the concepts of medical assessment flow together.
- dd. Students will have knowledge of how to assess a patient experiencing a neurological, abdominal, gastrointestinal, immunological, infectious disease, endocrine, psychiatric, cardiovascular, toxicological, respiratory, hematological, renal, genitourinary, or gynecological emergency.

- ee. Students will have knowledge of how to assess a patient experiencing non-traumatic musculoskeletal disorders and diseases of the eyes, ears, nose, and throat.
- ff. Students will have knowledge of how to assess a patient experiencing signs and symptoms of shock, respiratory failure or arrest, and cardiac failure or arrest.
- gg. Students will have knowledge of how to identify and categorize trauma patients, the pathophysiology of trauma, and how to assess a trauma patient.
- hh. Students will have knowledge of how to assess a trauma patient experiencing bleeding, chest trauma, abdominal and genitourinary trauma, orthopedic trauma, soft tissue trauma, trauma to the head, face, neck and spine, and nervous system trauma.
- ii. Students will have knowledge of special considerations in trauma. Trauma in the pregnant patient, trauma in the pediatric patient, and trauma in the elderly patient.
- jj. Students will have knowledge of environmental emergencies. They will learn how to assess a patient experiencing a submersion incident, temperature related illness, bites and envenomation, diving emergency and electrical/radiation emergency.
- kk. Students will have knowledge of the kinematics of trauma, multi-system trauma, and special injuries associated with multi-system trauma.
- ll. Students will have knowledge of how to assess and manage an obstetric patient.
- mm. Students will have knowledge of how to assess and manage a pediatric patient.
- nn. Students will have knowledge of how to assess and manage a geriatric patient.
- oo. Students will have knowledge of how to assess and manage a patient experiencing abuse/neglect.
- pp. Students will have knowledge of how to assess and manage a bariatric patient, technology assisted/dependent patient, hospice care and terminally ill patient, a patient with sensory deficits, a patient using home care, and patients with developmental disabilities.
- qq. Students will have knowledge of the risk and responsibilities of emergency response.
- rr. Students will have knowledge of how to establish and work within the incident management system.
- ss. Students will have knowledge of multiple casualty incidents and the implications of a multiple casualty incident.
- tt. Students will have knowledge of how to work safely and effectively with an air medical service.
- uu. Students will have knowledge of how to work cooperatively during vehicle extrication.
- vv. Students will have knowledge of hazardous materials awareness.

- ww. Students will have knowledge of the risks and responsibilities of operating on the scene of a natural or man-made disaster.

Psychomotor Outcomes:

- a. Students will practice how to utilize standard safety precautions and personal protective equipment.
- b. Students will practice how to safely lift and move a patient.
- c. Students will practice how to effectively position a patient experiencing a variety of medical and trauma conditions.
- d. Students will practice how to restrain a patient safely and the proper use of restraints.
- e. Students will practice how to correctly complete a pre-hospital care report.
- f. Students will practice how to safely assist with or administer a medication.
- g. Students will practice techniques of assuring a patent airway.
- h. Students will practice techniques of managing adequate and inadequate respiration.
- i. Students will practice techniques of managing inadequate ventilation and the differences between normal and positive pressure ventilation.
- j. Students will practice techniques of primary survey/primary assessment.
- k. Students will practice techniques of investigation of the chief complaint, components of patient history, techniques of history taking, developing a standardized approach to history taking, and taking history on sensitive topics.
- l. Students will practice techniques of physical examination of all body systems.
- m. Students will practice techniques of pulse oximetry and non-invasive blood pressure monitoring.
- n. Students will practice techniques of reassessing their patient's condition.
- o. Students will practice putting all of the concepts of medical assessment together to effectively treat a medical patient.
- p. Students will practice techniques of treating a patient suffering from a neurological, abdominal, gastrointestinal, immunological, infectious disease, endocrine, psychiatric, cardiovascular, toxicological, respiratory, hematological, renal, genitourinary, or gynecological emergency.
- q. Students will practice techniques of treating a patient suffering from non-traumatic musculoskeletal disorders and diseases of the eyes, ears, nose, and throat.
- r. Students will practice techniques of treating a patient suffering from shock, respiratory failure or arrest, and cardiac failure or arrest.
- s. Students will practice techniques of how to identify and categorize trauma patients, the pathophysiology of trauma, and how to assess a trauma patient.
- t. Students will practice techniques of how to treat a patient experiencing bleeding, chest trauma, abdominal and genitourinary trauma, orthopedic trauma, soft tissue trauma, trauma to the head, face, neck and spine, and nervous system trauma.

- u. Students will practice techniques of how to treat trauma in the pregnant patient, trauma in the pediatric patient, and trauma in the elderly patient.
- v. Students will practice techniques of how to treat a patient experiencing a submersion incident, temperature related illness, bites and envenomation, diving emergency, and electrical/radiation emergency.
- w. Students will practice techniques of how to treat a multi-system trauma patient and a blast injury patient.
- x. Students will practice techniques of how to treat an obstetric patient.
- y. Students will practice techniques of how to treat a pediatric patient.
- z. Students will practice techniques of how to treat a geriatric patient.
- aa. Students will practice techniques of how to care for a tracheotomy.
- bb. Students will practice how to care for patients during a multiple casualty incident.
- cc. Low, medium, and high fidelity simulation may be utilized to obtain psychomotor outcomes for this course.

**College Procedures:** All college-wide procedures are located in the Iowa Central Community College Student Handbook.

**Assessments:**

- a. Quizzes – Short quizzes may be given throughout the course. Quizzes are not allowed to be made up unless a student is absent because of a college sponsored activity or military commitment. All unannounced quiz scores will be used in the calculation of the student's final grade.
- b. Homework/Assignments – Assignments and homework may be assigned throughout the course. If you will not be in class it is your responsibility to submit any homework/assignments prior to the time due.
- c. Practical skill labs – Practical skill labs will be conducted throughout the course. You should plan on being there for all practical skill labs. Practical exam labs may not be made up unless you are absent for college sponsored activity or military commitment. Labs will be conducted using the NREMT-EMT psychomotor exam standards and FISDAP skill forms. All practical skills labs are graded as pass or fail. Students must pass the practical skills labs to be eligible for a satisfactory grade (C or above). To pass the practical skills lab portion of the course, the student must demonstrate a 75% proficiency, at a minimum, in all practical skills as determined by the instructor, coordinator, or instructor aides utilizing NREMT-EMT psychomotor exam standards and/or FISDAP skill forms by the end of the course. Failure of practical skills labs will result in a failing grade or "F" for the course regardless of the student's didactic points. Students must satisfactorily complete the bag valve mask of the apneic adult patient, oxygen administration with a non-rebreather mask, and cardiac arrest management/AED skill labs with five (5) successful peer evaluations

and one (1) successful instructor evaluation, as referenced in FISDAP and determined by the course instructor, before the student will be cleared for clinical/field rotations.

We will be using equipment and supplies during practical skills lab that must be used under the direct supervision of an instructor, instructor aide, or EMS coordinator. At no time shall a student remove equipment or supplies from the practical skills lab area without the expressed approval of the instructor, instructor aide, or EMS coordinator. Removal of equipment or supplies from the practical skills lab area without approval will result in disciplinary action up to and including removal from the program.

- d. Exams – There will be unit exams and a cumulative final exam for the course. Exams may consist of multiple choice, true/false or short answer questions. Any missed examinations must be taken within two class meetings from the original testing date otherwise a zero will be given. **Students will receive a 10% point deduction for any missed exams.** Students will not be allowed to retake exams on which they have scored poorly. Any missed examinations must be taken within two class meetings from the original testing date otherwise a score of zero will be awarded for the examination. Students arriving more than five minutes late for exams will not be allowed to take the exam.

#### **Weighting of assessments:**

1. Classwork – 15% of final grade
2. Homework – 10% of final grade
3. Exams – 60% of final grade
4. Finals – 15% of final grade

**Please note that assessments are subject to change**

#### **Non-discrimination Statement:**

It is the policy of Iowa Central Community College not to discriminate on the basis of race, color, national origin, sex, disability, age (employment), sexual orientation, gender identity, creed, religion, and actual or potential parental, family or marital status in its programs, activities, or employment practices as required by the Iowa Code §§ 216.6 and 216.9, Titles VI and VII of the Civil Rights Act of 1964 (42 U.S.C. §§ 2000d and 2000e), the Equal Pay Act of 1973 (29 U.S.C. § 206, et seq.), Title IX (Educational Amendments, 20 U.S.C. §§ 1681 – 1688), Section 504 (Rehabilitation Act of 1973, 29 U.S.C. § 794), Age Discrimination Act of 1975 (34 CFR Part 110), and Title II of the Americans with Disabilities Act (42 U.S.C. § 12101, et seq.).

If you have questions or complaints related to compliance with this policy, please contact Kim Whitmore, Director of Human Resources, phone number 515-574-1138, whitmore@iowacentral.edu; or the Director of the Office for Civil Rights, U.S.



Department of Education, Citigroup Center, 500 W. Madison, Suite 1475, Chicago, IL 60661, phone number 312-730-1560, fax 312-730-1576.

**Disability/Accommodation Services:**

If you have a request for an accommodation based on the impact of a disability, it is Iowa Central's policy that you contact the Academic Assistance & Accommodations Coordinator to discuss your specific needs and to provide supporting information and documentation, so we may determine appropriate accommodations. The office for accommodations is located in the Academic Resource Center, and it can be reached by calling 515-574-1045. For online information about accommodations, please go to [www.iowacentral.edu/accommodations](http://www.iowacentral.edu/accommodations).

**Bias-Free Classroom Statement:**

The Emergency Medical Technician program maintains high standards of respect in regard to individual beliefs and values when selecting classroom materials including textbooks, project activities, power points, videos, presentations, and classroom discussions.

It is our belief that all people have the right to obtain an education within our department/program courses free of bias, with full respect demonstrated to all who enroll in the courses of this department/program.

**External Accreditation:** The Iowa Central Community College Paramedic program, on the Fort Dodge campus, is accredited by the Commission on Accreditation of Allied Health Education Programs ([www.caahep.org](http://www.caahep.org)) upon the recommendation of the Committee on Accreditation of Educational Programs for the Emergency Medical Services Professions (CoAEMSP).



**Course Name:** NSC Paramedic 1

**Course Number:** EMS 760

**Course Department:** STEMM

**Course Term:** Fall 2017

**Last Revised by Department:** July 2017

**Total Semester Hour(s) Credit:** 9.0

**Total Contact Hours per Semester:**

Lecture: 105 Lab: 15 Clinical: 90

**Catalog Description:** This course is designed to prepare the student for the paramedic level as outlined by the 2009 National EMS Education Standards for the Paramedic. The student is introduced to the Paramedic career field. Concepts taught include medical/legal considerations, the roles and responsibilities of the paramedic, anatomy and physiology, patient assessment techniques, medication administration, pharmacology, and life span development. Students will complete a 90 hour clinical experience in the hospital setting. Clinical emphasis will be devoted to outpatient surgery and emergency departments. Students must be currently certified at the EMT-Basic/EMT or higher level, be at least 17 years of age, have a high school diploma or equivalent, be able to speak, write, and read English. Current BCLS recognition at the Healthcare Provider (American Heart Association) or Professional Rescuer (American Red Cross) level is required prior to starting NSC Paramedic 1. Students will be required to undergo a national criminal background check and State of Iowa child/adult abuse registry check prior to starting clinical rotations. Mandatory reporter training and a health physical are required prior to starting clinical/field rotations. The cost of obtaining these requirements is in addition to course tuition and fees. Information on how to satisfy these requirements will be distributed the first night of class.

\*NSC = National Standard Curriculum.

**Pre-requisites and/or Co-requisites:** EMS 200 EMT, HSC 113 Medical Terminology, BIO 168 Human Anatomy and Physiology 1 with lab

**Textbook(s) Required:** AAOS: Nancy Caroline's Emergency Care in the Streets 8<sup>th</sup> Edition; Pollak; ISBN: 9781284095340

**Access Code:**

1. EMSTesting.com Paramedic Exam Access Card (Available through Iowa Central Bookstore or online at [www.emstesting.com](http://www.emstesting.com).)
2. Navigate 2.0 (Bundled with textbook through Iowa Central Bookstore)

**Materials Required:**

1. AAOS: Nancy Caroline's Emergency Care in the Streets 8<sup>th</sup> Edition *Workbook*; Pollak (Bundled with textbook listed above through Iowa Central Bookstore)
2. Medication Reference Guide (Student's choice)

**Suggested Materials:** Good quality stethoscope, boots/shoes, and EMS pants for clinical rotations.

**Institutional Outcomes:**

**Critical Thinking:** The ability to dissect a multitude of incoming information, sorting the pertinent from the irrelevant, in order to analyze, evaluate, synthesize, or apply the information to a defensible conclusion.

**Effective Communication:** Information, thoughts, feelings, attitudes, or beliefs transferred either verbally or nonverbally through a medium in which the intended meaning is clearly and correctly understood by the recipient with the expectation of feedback.

**Personal Responsibility:** Initiative to consistently meet or exceed stated expectations over time.

**Department/Program Outcomes:** To prepare competent entry-level Paramedics in the cognitive (knowledge), psychomotor (skills), and affective (behavioral) learning domains with or without exit points at the Advanced Emergency Medical Technician and/or Emergency Medical Technician, and/or Emergency Medical Responder levels.

**Student Learning Outcomes:**

- a. At the completion of this unit, the paramedic student will understand the roles and responsibilities of a paramedic within an EMS system, apply the basic concepts of development, pathophysiology and pharmacology to assessment and management of emergency patients, be able to properly administer medications, and communicate effectively with patients.
- b. At the completion of this unit, the paramedic student will be able to take a proper history and perform a comprehensive physical exam on any patient, and communicate the findings to others.

**Course Objectives:**

- a. The paramedic student will understand his or her roles and responsibilities within an EMS system, and how these roles and responsibilities differ from other levels of providers.

- b. The paramedic student will understand and value the importance of personal wellness in EMS and serve as a healthy role model for peers.
- c. The paramedic student will be able to integrate the implementation of primary injury prevention activities as an effective way to reduce death, disabilities and health care costs.
- d. The paramedic student will understand the legal issues that impact decisions made in the out-of-hospital environment.
- e. The paramedic student will understand the role that ethics plays in decision making in the out-of-hospital environment.
- f. The paramedic student will be able to apply the general concepts of pathophysiology for the assessment and management of emergency patients.
- g. The paramedic student will be able to integrate pathophysiological principles of pharmacology and the assessment findings to formulate a field impression and implement a pharmacologic management plan.
- h. The paramedic student will be able to safely and precisely access the venous circulation and administer medications.
- i. The paramedic student will be able to integrate the principles of therapeutic communication to effectively communicate with any patient while providing care.
- j. The paramedic student will be able to integrate the physiological, psychological, and sociological changes throughout human development with assessment and communication strategies for patients of all ages.
- k. The paramedic student will be able to use the appropriate techniques to obtain a medical history from a patient.
- l. The paramedic student will be able to explain the pathophysiological significance of physical exam findings.
- m. The paramedic student will be able to integrate the principles of history taking and techniques of physical exam to perform a patient assessment.
- n. The paramedic student will be able to apply a process of clinical decision making to use the assessment findings to help form a field impression.
- o. The paramedic student will be able to follow an accepted format for dissemination of patient information in verbal form, either in person or over the radio.
- p. The paramedic student will be able to effectively document the essential elements of patient assessment, care and transport.

**College Procedures:** All college-wide procedures are located in the Iowa Central Community College Student Handbook.

**Assessments:**

- a. Quizzes – Short quizzes may be given throughout the course. Quizzes are not allowed to be made up unless a student is absent because of a college sponsored activity or military commitment. All unannounced quiz scores will be used in the calculation of the student's final grade.

- b. Homework/Assignments – Assignments and homework may be assigned throughout the course. If you will not be in class it is your responsibility to submit any homework/assignments prior to the time due.
- c. Practical skill labs – You should plan on attending class for all practical skill labs. Practical exam labs may only be made up at the discretion of your instructor unless you are absent for college sponsored activity or military commitment. Labs will be conducted utilizing the 2015 Paramedic Psychomotor Competency Portfolio standards. All practical skills labs are graded as pass or fail. To pass the practical skills lab portion of the course, the student must demonstrate a 78% proficiency, at a minimum, in all practical skills as determined by classmates (peer evaluations), the instructor, instructor aides, or EMS Coordinator. Failure to complete the Paramedic Psychomotor Competency Portfolio by the end of the Paramedic program will result in the student not being approved for National Registry cognitive and psychomotor testing. Students must satisfactorily complete the patient assessment lab with a passing grade, as determined by the course instructor, before being allowed to begin clinical/field internship rotations for NSC Paramedic 1.

We will be using equipment and supplies during practical skills lab that must be used under the direct supervision of an instructor, instructor aide, or EMS coordinator. At no time shall a student remove equipment or supplies from the practical skills lab area without the expressed approval of the instructor, instructor aide, or EMS coordinator. Removal of equipment or supplies from the practical skills lab area without approval will result in disciplinary action up to and including removal from the program.

- d. Exams – There will be unit exams and a cumulative final exam for the course. Exams may consist of multiple choice, true/false or short answer questions. Any missed examinations must be taken within two class meetings from the original testing date otherwise a zero will be given. **Students will receive a 10% point deduction for any missed exams.** Students will not be allowed to retake exams on which they have scored poorly. Any missed examinations must be taken within two class meetings from the original testing date otherwise a score of zero will be awarded for the examination. Students arriving more than five minutes late for exams will not be allowed to take the exam.
- e. Clinical - The clinical portion of EMS-760 is pass/fail. To pass the clinical component, the student must demonstrate proficiency in all clinical skills as determined by the instructor, EMS Coordinator, preceptor, or instructor aides. All clinical skills must be performed under the direct supervision of a preceptor. In addition the student must complete a minimum of 90 hours of clinical time prior to the end date of the course to pass the clinical component of the course.

Students must pass the clinical component to be eligible for a satisfactory grade (C or above). Failure of clinical skills or failing to complete the required hours/contacts by the end date of the course will result in a failing grade or “F” for the course regardless of the student’s didactic points. Removal of equipment or supplies from the clinical area without approval will result in disciplinary action up to and including removal from the program.

Upon completion of Iowa Central Community College course requirements the student can’t participate in field or clinical experiences as an Iowa Central Community College student.

Students who have not received approval for an extension of course requirements, due to extenuating circumstances, prior to the end date of the course can’t participate in field or clinical experience as an Iowa Central Community College student after the end date of class.

Students will adhere to all policies governing EMS Student Uniform and Personal Appearance.

- f. Affective performance – Students will be evaluated on their affective performance. The affective domain evaluates how an individual reacts emotionally. Specifically students will be evaluated on their awareness and growth in the areas of attitude, emotions, and feelings as it relates to their instructors, preceptors, peers, and patient’s. Students will be given a rubric, at the beginning of class, explaining the point structure and specific areas evaluated using the affective domain.

**Weighting of assessments:**

1. Labs – 10% of final grade
2. Participation – 5% of final grade
3. Homework – 15% of final grade
4. Exams – 60% of final grade
5. Finals – 15% of final grade

**Please note that assessments are subject to change**

**Non-discrimination Statement:**

It is the policy of Iowa Central Community College not to discriminate on the basis of race, color, national origin, sex, disability, age (employment), sexual orientation, gender identity, creed, religion, and actual or potential parental, family or marital status in its programs, activities, or employment practices as required by the Iowa Code §§ 216.6 and 216.9, Titles VI and VII of the Civil Rights Act of 1964 (42 U.S.C. §§ 2000d and 2000e), the Equal Pay Act of 1973 (29 U.S.C. § 206, et seq.), Title IX (Educational Amendments, 20 U.S.C. §§ 1681 – 1688), Section 504 (Rehabilitation Act of 1973, 29

U.S.C. § 794), Age Discrimination Act of 1975 (34 CFR Part 110), and Title II of the Americans with Disabilities Act (42 U.S.C. § 12101, et seq.).

If you have questions or complaints related to compliance with this policy, please contact Kim Whitmore, Director of Human Resources, phone number 515-574-1138, whitmore@iowacentral.edu; or the Director of the Office for Civil Rights, U.S. Department of Education, Citigroup Center, 500 W. Madison, Suite 1475, Chicago, IL 60661, phone number 312-730-1560, fax 312-730-1576.

### **Disability/Accommodation Services:**

If you have a request for an accommodation based on the impact of a disability, it is Iowa Central's policy that you contact the Academic Assistance & Accommodations Coordinator to discuss your specific needs and to provide supporting information and documentation, so we may determine appropriate accommodations. The office for accommodations is located in the Academic Resource Center, and it can be reached by calling 515-574-1045. For online information about accommodations, please go to [www.iowacentral.edu/accommodations](http://www.iowacentral.edu/accommodations).

### **Bias-Free Classroom Statement:**

The Emergency Medical Technician program maintains high standards of respect in regard to individual beliefs and values when selecting classroom materials including textbooks, project activities, power points, videos, presentations, and classroom discussions.

It is our belief that all people have the right to obtain an education within our department/program courses free of bias, with full respect demonstrated to all who enroll in the courses of this department/program.

**External Accreditation:** The Iowa Central Community College Paramedic program, on the Fort Dodge campus, is accredited by the Commission on Accreditation of Allied Health Education Programs ([www.caahep.org](http://www.caahep.org)) upon the recommendation of the Committee on Accreditation of Educational Programs for the Emergency Medical Services Professions (CoAEMSP).



Course Syllabus		
Course Name: NSC Paramedic 2 Course Number: EMS 761 Course Department: Health Science Course Term: Spring 2017 Revised: December 2016		
Room: AST 212	Day: Monday Day: Thursday	Time: 5 PM – 9 PM Time: 5 PM – 9 PM
Course Start Date: January 12, 2017		Course End Date: May 4, 2017
Instructors: Terry Evans, Paramedic, EMS-I Jared Zimmer, Paramedic, CCP, EMS-I	Office Location: AST 204	
E-mail Address: <a href="mailto:evans@iowacentral.edu">evans@iowacentral.edu</a> (Terry) <a href="mailto:zimmerfire@gmail.com">zimmerfire@gmail.com</a> (Jared)	Office Hours: Day: Monday Time: 4:30 PM – 5:00 PM (Terry) Day: Thursday Time: 4:30 PM – 5:00 PM (Jared)	
Phone: Terry: (515) 408-5901 Jared: (515) 418-5743	Or as scheduled by appointment	
Final Exam: Day: Monday Date: May 1, 2017 Time: 5 PM		

1. Total Semester Hour(s) Credit: 9.5
2. Total Contact Hours per Semester:
  - a. Lecture: 90    Lab: 30    Clinical: 150
3. Catalog Description: This course is a continuation of NSC Paramedic 1. Pulmonology, advanced airway management, cardiology, and neurology will be discussed. Students will complete a 150 hour clinical/field experience in the hospital/pre-hospital setting. Clinical shifts will be performed in the operating room, emergency department, coronary care department, respiratory therapy department, and ambulance (following the ACLS class).  
\*NSC = National Standard Curriculum
4. Pre-requisites and/or Co-requisites:
  - a. Prerequisite: NSC Paramedic 1
  - b. Co-Requisite: Advanced Cardiac Life Support Course (EMS 810)



5. Textbook Required:

- a. Paramedic Practice Today Above and Beyond Revised Reprint; Aehlert; ISBN: 978-128-402-9666
- b. Basic Arrhythmias 8<sup>th</sup> Edition; Walraven; ISBN: 9780134380995

6. Supplemental Materials Required: AHA Advanced Cardiac Life Support Provider Manual (2015 standards)

7. Institutional Outcomes:

- a. *Critical Thinking*: The ability to dissect a multitude of incoming information, sorting the pertinent from the irrelevant, in order to analyze, evaluate, synthesize, or apply the information to a defensible conclusion.
- b. *Effective Communication*: Information, thoughts, feelings, attitudes, or beliefs transferred either verbally or nonverbally through a medium in which the intended meaning is clearly and correctly understood by the recipient with the expectation of feedback.
- c. *Personal Responsibility*: Initiative to consistently meet or exceed stated expectations over time.

8. Department Outcomes:

- a. Provide effective education in emergency medical services and related areas to produce competent graduates that can practice as entry level nationally registered Paramedics. Program graduates should participate in personal development and career development activities.
- b. Provide programming that meets the needs of the customers that we serve.
- c. Provide encouragement to graduates to pursue career advancement in EMS education, management, or baccalaureate education.

9. Course Outcomes:

- a. The Paramedic student will be able to establish and/ or maintain a patent airway, oxygenate, and ventilate a patient.
- b. The Paramedic student will be able to integrate pathophysiological principles and assessment findings to formulate a field impression and implement the treatment plan for the patient with respiratory problems.
- c. The Paramedic student will be able to integrate pathophysiological principles and assessment findings to formulate a field impression and implement the treatment plan for the patient with cardiovascular disease.
- d. The Paramedic student will be able to integrate pathophysiological principles and assessment findings to formulate a field impression and implement the treatment plan for the patient with a neurological problem.
- e. Low, medium, and high fidelity simulation may be utilized to obtain psychomotor outcomes for this course.

10. Student Outcomes:

- a. At the completion of this unit, the Paramedic student will be able to establish and/ or maintain a patent airway, oxygenate, and ventilate a patient.
- b. At the completion of this unit, the Paramedic student will be able to integrate pathophysiological principles and assessment findings to formulate a field impression and implement the treatment plan for the patient experiencing respiratory, cardiovascular, or neurological symptoms.

## 11. College Procedures:

### a. Administrative Withdrawal Process

Administrative Withdrawal: An expectation of this course is that you will participate in all class meetings and conscientiously complete all required course activities and/or assignments. You will be notified via Iowa Central email and Triton Alerts when you have missed 15%, 20%, and 25%. It is your responsibility to check email and signup for Triton Alerts. After you miss 25% of scheduled class meetings, you will be administratively withdrawn from this course. You have the right to appeal the withdrawal to the Vice President of Instruction. Administrative withdrawal may have academic, scholarship, financial aid, and/or housing implications. If you have questions about the administrative withdrawal policy at any point during the semester, please contact me.

### b. Americans with Disabilities Act Statement:

As required by the Department of Education, it is the policy of Iowa Central Community College not to discriminate on the basis of race, creed, color, sexual orientation, gender identity, national origin, sex, disability, religion, or age in its programs, activities, or employment practices as required by the Iowa Code sections 216.9 and 256.10(2), Titles VI and VII of the Civil Rights Act of 1964 (42 U.S.C. § 2000d and 2000e), the Equal Pay Act of 1973 (29 U.S.C. § 206, et seq.), Title IX (Educational Amendments, 20 U.S.C. §§ 1681 – 1688), Section 504 (Rehabilitation Act of 1973, 29 U.S.C. § 794), and the Americans with Disabilities Act (42 U.S.C. § 12101, et seq.).

Individuals having questions or complaints related to compliance with this policy should contact the Vice President of Enrollment Management and Student Development or the Director of the Office for Civil Rights, U.S. Department of Education, Citigroup Center, 500 W. Madison, Suite 1475, Chicago, IL 60661, phone number 312/730-1560, fax 312/730-1576.

### c. Children in the Classroom: Students are not allowed to bring children into the classrooms, labs, shops, or hallways during class times.

### d. Class cancellation: Class cancellations will be posted on Triton Pass and emailed to students. Cancellations, including campus closings, are also available as text messages through Triton Alerts.

### e. Course withdrawal procedure:

1. The student will submit the withdrawal request online. This is located in WebAdvisor.
2. The instructor immediately receives an email telling him/her that the student has requested the drop.
3. The instructor will go into WebAdvisor and approve or deny the request.
4. If the instructor does not respond immediately, he/she will receive an email each night until the request is approved or denied.
5. If the instructor does not respond after two working days, the Health Science Dean will receive an email saying the instructor has not responded to the request yet.
6. Once the request is approved, the Student Records Office will withdraw the student based on the date the student submitted the request.

### f. Weather policy: In the event of extreme weather conditions necessitating closing the college, the following radio stations will be asked to announce the closing, starting at 6 am for day classes and 4 pm for evening classes: KVFD, KUEL, KKEZ, KIAQ, KQWC, KTPR, KHBT, KTLB, KAYL, and KDLS. Instructors may make final decisions on make-ups due to inclement weather. The final decision to attend college classes can only be

made by the individual based on his or her specific extenuating circumstances that may make it hazardous for him or her to travel. Students may sign-up for the Triton Alert system to receive weather related information sent to their e-mail or via text message (text messaging fees may apply). Any student who feels that they cannot safely make it to class due to inclement weather should notify the course instructor or EMS coordinator prior to the start of class.

#### 12. Grade Appeal Process:

- a. Students who believe a course grade they have received is inaccurate may seek an appeal. Please refer to the Student Handbook for more specific information.

#### 13. Special Assistance:

Iowa Central Community College offers a wide variety of individual help for students. We have academic assistance in the Academic Resource Center & Student Support Services/TRIO programs, a licensed counselor, a school nurse and services to help you map and achieve your goals. These services are free of charge and available to all Iowa Central students.

Academic Resource Center (ARC): 1-515-574-1045

Counselor: 1-515-574-1051

Triton Enrichment Center: 1-515-574-1192

Nurse: 1-515-574-1047

Student Support Services/TRIO: 1-515-574-1165

If you may need an accommodation based on the impact of a disability, please contact the Academic Assistance & Accommodations Coordinator to discuss your specific needs and to determine appropriate accommodations. The office for accommodations is located in the Academic Resource Center and can be reached by calling 515-574-1045. For online information about accommodations, please go to <http://www.iowacentral.edu/arc>

#### 14. Course Specific Policies:

##### a. Assessments:

- i. Quizzes – Short quizzes may be given throughout the course. Quizzes are not allowed to be made up unless a student is absent because of a college sponsored activity or military commitment. All unannounced quiz scores will be used in the calculation of the student's final grade.
- ii. Homework/Assignments – Assignments and homework may be assigned throughout the course. If you will not be in class it is your responsibility to submit any homework/assignments prior to the time due.
- iii. Practical skill labs – Practical skill labs are listed on the syllabus. You should plan on being there for all practical skill labs. Practical exam labs may not be made up unless you are absent for college sponsored activity or military commitment. Labs will be conducted using the NREMT-P practical exam standards and program skill sheets. All practical skills labs are graded as pass or fail. Students must pass the practical skills labs to be eligible for a satisfactory grade (C or above). To pass the practical skills labs, the student must demonstrate proficiency in all practical skills as determined by the instructor, coordinator, or instructor aides by the end of the course. Failure of practical skills labs will result in a failing grade or "F" for the course regardless of the student's didactic points.

We will be using equipment and supplies during practical skills lab that must be used under the direct supervision of an instructor, instructor aide, or EMS coordinator. At no time shall a student remove equipment or supplies from the practical skills lab area without the expressed approval of the instructor,

instructor aide, or EMS coordinator. Removal of equipment or supplies from the practical skills lab area without approval will result in disciplinary action up to and including removal from the program.

- iv. Exams – There will be unit exams and a cumulative final exam for the course. Exams may consist of multiple choice, true/false or short answer questions. Any missed examinations must be taken within two class meetings from the original testing date otherwise a zero will be given. **Students will receive a 10% point deduction for any missed exams.** Students will not be allowed to retake exams on which they have scored poorly. Any missed examinations must be taken within two class meetings from the original testing date otherwise a score of zero will be awarded for the examination. Students arriving more than five minutes late for exams will not be allowed to take the exam on the original exam date and will be required to take the exam under the missed examination policy as listed above.
- v. Clinical - The clinical portion of EMS-761 is pass/fail. To pass the clinical component, the student must demonstrate proficiency in all clinical skills as determined by the instructor, coordinator, preceptor, or instructor aides. All clinical skills must be performed under the direct supervision of a preceptor. In addition the student must complete a minimum of 90 hours of clinical time prior to the end date of the course to pass the clinical component of the course. Students must pass the clinical component to be eligible for a satisfactory grade (C or above). Failure of clinical skills or failing to complete the required hours/contacts by the end date of the course will result in a failing grade or “F” for the course regardless of the student’s didactic points. Removal of equipment or supplies from the clinical area without approval will result in disciplinary action up to and including removal from the program.

Upon completion of Iowa Central Community College course requirements the student can’t participate in field or clinical experiences as an Iowa Central Community College student.

Students who have not received approval for an extension of course requirements, due to extenuating circumstances, prior to the end date of the course can’t participate in field or clinical experience as an Iowa Central Community College student after the end date of class.

Students will adhere to all policies governing EMS Student Uniform and Personal Appearance.

- vi. Affective performance – Students will be evaluated on their affective performance. The affective domain evaluates how an individual reacts emotionally. Specifically students will be evaluated on their awareness and growth in the areas of attitude, emotions, and feelings as it relates to their instructors, preceptors, peers, and patient’s. Students will be given a rubric, at the beginning of class, explaining the point structure and specific areas evaluated using the affective domain.

**\*Please note that assessments are subject to change**

- b. Classroom Management and Behavior:
  - i. Use of cellular phones, two-way radios, and pagers during class will be at the discretion of the instructor. At no time should the use of these devices be distracting to other students in class. The instructor reserves the right to request that these devices NOT be operational during class and to dismiss any student from class that abuses this policy.

- ii. During classroom discussion or lecture, there will be respect displayed for the person speaking.
  - iii. Because of our fast-paced semester, I ask that you keep your questions relevant to the topic we are covering.
  - iv. Pay attention in class. Sometimes if you are distracted you may miss the answer to your question.
  - v. Be accountable for your actions. This will be helpful to you in your EMS studies.
  - vi. You may have food and drinks. If you spill anything, please clean it up immediately and dispose of your containers in the garbage.
  - vii. Students need to take responsibility for their own academic success. This includes reading the assigned readings, completing homework, and preparing for examinations and quizzes.
- c. **Communication:** Course instructors will dictate how they want to be contacted outside of normal class time. Students are expected to be respectful of course instructor's time and privacy. Whenever possible students should contact course instructors via e-mail. Please allow at least 72 hours for your instructor to respond to any e-mail correspondence. If contacting a course instructor by utilizing their private telephone number, cellular phone number, or text message it should only be done during the hours of 8 AM – 9 PM unless the instructor has explicitly given the student permission to contact them during other hours.
- d. **Computer Considerations:** Iowa Central Community College computers have Microsoft Word installed. Coursework created in "Works" and other programs may not open on college computers. Coursework should be saved in a Microsoft Office or PDF format. Excuses about disk or printer issues are not acceptable. Complete your work early and this will not be a problem. Please consult with your course instructor if you need clarification on how to save files.
- e. **Course Syllabus Agreement:** By remaining enrolled in NSC Paramedic 2, the student agrees to the policies contained in the syllabus. Students are given a chance to read and ask questions to clarify any information they do not understand. Students are expected to take responsibility for knowing the information contained in the EMS – 761 (NSC Paramedic 2) syllabus and will seek clarification as needed during their time in the NSC Paramedic 2 class.
- f. **Extra Credit Policy:** Extra credit is not awarded for this course.
- g. **Final Exam Policy:** If a student misses the final examination they receive a zero and will not be allowed to take the examination. Students arriving more than five minutes late for the final examination will not be allowed to take the exam.

No final will be administered before its schedule time; however, any student scheduled for more than two exams on a given day, or at the same time, will take the exam listed in the course listed first alphabetically by course prefix during the scheduled exam time. It will be up to the student and instructor in the course listed last alphabetically to arrange another exam time, if needed. The student must provide a current schedule to the instructor for verification. Any requests for the final examination be taken early must be approved by the Vice-President of Instruction.

- h. **Grading Policy/Scale:** For successful completion of NSC Paramedic 2, students must achieve a "C" average and complete a minimum of 150 hours of hospital based clinical rotations in the emergency department and outpatient surgery departments. The didactic portion of the Paramedic program is based on a point system. Coursework in NSC Paramedic 2 is weighted by category with some coursework carrying more weight than

other coursework. Points obtained on all coursework will be added together. The total possible points will divide this total. **The final percentage will not be rounded. Students will receive the actual percentage that they have earned.** The resulting percentile will be applied to the following scale:

A student must earn 75% (straight percentage no rounding) to achieve a "C".

92 – 100%	=	A
84 – 91%	=	B
75 – 83%	=	C
70 – 74%	=	D
69% and below	=	F

- i. **Group Work/Collaboration:** Group work/collaboration is allowed at the discretion of the instructor. The instructor will specifically indicate if group work/collaboration is allowed on a specific assignment. Unless directly indicated by the instructor it should be assumed that group work/collaboration is not allowed on assignments and such group work/collaboration is considered scholastic dishonesty and will be treated as such.
- j. **iNET Statement:** iNET will not be utilized for this course.
- k. **Late Work Policy:** If an assignment is not submitted the student will receive a zero. All assignments submitted after the time due will have a 25% point deduction per day that that they are late.
- l. **Participation/Attendance Policy:** An expectation of this course is that you will participate in all class meetings and conscientiously complete all required course activities and/or assignments. After you miss 25% of the course meetings, you will be administratively withdrawn from this course. *This class is scheduled to meet 30 times during the semester. When your number of absences has exceeded 30 hours, you will be withdrawn, and a "W" will appear on your transcript.* Absences must be reported to the course instructor or EMS Coordinator prior to the class. Daily attendance will be taken and entered into WebAdvisor. Participation points may be awarded at the discretion of the course instructor. In the event that you are absent from class you are not eligible for any participation points awarded during that class session.
- m. **Personal Responsibility:** Students need to take responsibility for their own academic success. This includes reading the assigned readings prior to class, completing homework on time, and adequately preparing for examinations and quizzes. In the event that a student knows that they will be absent from class or late to class they should make every effort to contact the course instructor or EMS Coordinator via e-mail or phone message as soon as possible. Students are responsible for making up course material prior to any absences unless an emergency arises.
- n. **Previous Work:** If a student wishes to submit work completed in another course to meet requirements of coursework for EMS-761 they must first seek the approval of the course instructor. Acceptance of previous coursework is at the discretion of the instructor. If a student does not seek prior approval from the course instructor any submittal of previous coursework will be considered scholastic dishonesty and will be treated as such.
- o. **Scholastic Dishonesty Policy:** Iowa Central Community College may initiate disciplinary proceedings against a student accused of scholastic dishonesty. Scholastic dishonesty includes, but is not limited to, cheating and plagiarizing. Plagiarism is presenting someone else's words as one's own. Whether in writing or in speaking.

Cheating and plagiarism, whether intentional or accidental, are serious offenses. An instructor who suspects a student of scholastic dishonesty will inform the student of the allegation as soon as possible. It is up to the instructor to determine the disciplinary action to be taken, which could include giving the student a zero for the assignment, reducing the student's grade for the course, assigning an "F" for the course, or other action. Complete details of this policy may be found in the Iowa Central Community College Student Handbook.

- p. **Standards for Written Work:** Standards for written coursework will be at the discretion of the course instructor and will be clearly indicated. Course instructors can require coursework to be typed and may have standards for grammar, punctuation, etc. If MLA or APA format is required it will be indicated by the course instructor
- q. **Teaching Philosophy:** Power point presentations, small and large group discussions and activities, audio-visual material, computer interactive software, practical skill labs/demonstrations will be used. Students will practice skills on each other during the course of practical skill labs. All skills practice will be conducted under the direct supervision of course instructors. Students should report any conduct that they deem inappropriate immediately to the course instructor or EMS Coordinator.
- r. **Turnitin.com:** Turnitin.com may be utilized, in this course, at the discretion of the instructor.
- s. **Technology in the classroom:** Students are encouraged to bring laptops and other technology to class to facilitate their learning. All technology use during class time should be used to facilitate learning about the subject being discussed. If this privilege is abused or others in class are distracted by your use of technology you will be asked to refrain from bringing technological devices to future classes.
- t. **Certification Exam Eligibility:** Per Iowa Code 641 – 131.4(1g) "When a student's EMS Student Registration or a candidate's EMS Certification Application is referred to the department for investigation, or when a student or candidate is otherwise under investigation by the department, the individual shall not be eligible for certification, and the practical examination results will not be confirmed with the NREMT, until the individual is approved by the department."
- u. **ACLS –** Students are required to attend an ACLS class in order to successfully complete NSC Paramedic 2 (EMS 761). Students may be no more than 15 minutes late to the 16 hour class conducted at Iowa Central Community College. Students who arrive more than 15 minutes late will not be allowed to continue with the ACLS class and will have to obtain the class on their own at their own expense.

*Our role is to facilitate your learning. If you have questions or concerns about your grades, study skills, performance, or need clarification of lecture material, please see us during office hours or make an appointment with us.*

Course Schedule:

Date	Topic	Assignment	Time Allotted
1/12	Pulmonology	Chapter 21	4 hours
1/16	Airway Management and Ventilation	Chapter 14	4 hours
1/19	Basic Airway Management Lab/Skills		4 hours
1/23	Airway Management and Ventilation Intubation Practice Lab	Chapter 14	2 hours 2 hours
1/26	<b>Chapter 21/Chapter 14 Exam</b> Cardiology Introduction	Chapter 22 (735 – 744)	2 hours 2 hours
1/30	Cardiology – Electrophysiology/EKG monitoring	Chap. 22 (744 – 762) BA Chap 1 & 2 Lab	3 hours 1 hour
2/2	Cardiology – Rhythm interpretation (Sinus Rhythms)	Chap. 22 (762 – 770) BA Chap 3 & 4 Lab	3 hours 1 hour
2/6	Cardiology – Atrial Rhythms	Chap. 22 (770 – 784) BA Chap 5 Lab	3 hours 1 hour
2/9	Cardiology – Junctional Rhythms	Chap. 22 (784 – 787) BA Chap 6 Lab	3 hours 1 hour
2/13	Cardiology – Heart Blocks	Chap. 22 (795 – 803) BA Chap 7 Lab	3 hours 1 hour
2/16	Cardiology – Ventricular Rhythms	Chap. 22 (787 – 795) BA Chap 8 Lab	3 hours 1 hour
2/20	Cardiology – Conductive disorders/assessment	Chap.22 (803 – 807)	4 hours
2/23	Cardiology – 12 lead interpretation	Chap. 22 (807 – 827) BA - Appendix C & D Lab	3 hours 1 hour
2/27	Cardiology – Cardiac emergencies/Cardiac medications	Chapter 22 (827 – 845) Lab	3 hours 1 hour
3/2	Cardiology – Cardiac emergencies/Cardiac medications	Chapter 22 (845 – 864)	4 hours
3/6	Cardiology – Cardiac Emergencies Review of Rhythm Strips	Chapter 22 (864 – 882)	3 hours 1 hour



3/9	Cardiology – Review of ACLS Algorithms	Chapter 22	2 hours
		Lab	2 hours
<b>3/13</b>	<b>Spring Break Week – NO CLASS</b>		
<b>–</b>			
<b>3/17</b>			
3/20	Cardiology – Rhythm and medication review	Chapter 22	2 hours
		Lab	2 hours
3/23	Cardiology Review	Chapter 22	4 hours
3/27	<b>Cardiology Exam</b>	Chapter 22	4 hours
		BA – All Chapters	
3/30	ACLS prep/Mega Code practice/Lab	Chapter 22	3 hours
4/1	<b>ACLS Weekend</b>	ACLS Provider	16 hours
<b>–</b>		Manual	
4/2			
4/3	Neurology	Chapter 23	4 hours
4/6	Neurology/Neurology medications	Chapter 23	3 hours
		Lab	1 hour
4/10	<b>Neurology Chapter Exam</b>	Chapter 23	2 hours
	Skills Review		2 hours
4/13	<b>Easter Break – NO CLASS</b>		
4/17	Skills Review	Lab	4 hours
4/20	Cardiology Review	Chapter 22	2 hours
		Lab	2 hours
4/24	Skills Review		4 hours
4/27	Review for final exam	Chapters 14, 21 – 23; BA	4 hours
5/1	<b>Final Exam</b>		4 hours

\* *Syllabus is subject to change.*

*Students will be notified of any changes in advance of when the changes take place.*

*All reading assignments are from Paramedic Practice Today Above and Beyond Revised Reprint (2012) unless otherwise noted. Reading assignments noted (BA) are from Basic Arrhythmias 8<sup>th</sup> edition.*

**IOWA CENTRAL COMMUNITY COLLEGE  
EMS PROGRAMS**

**SYLLABUS ACCOUNTABILITY DECLARATION**

I have received a copy of the EMS – 761 (NSC Paramedic 2) syllabus at Iowa Central Community College.

I have had a chance to read it and ask questions to clarify any information I did not understand.

I take responsibility for knowing the information contained in the EMS – 761 (NSC Paramedic 2) syllabus and will seek clarification as needed during my time in the NSC Paramedic 1 class.

Student Signature: \_\_\_\_\_

Student Printed Name: \_\_\_\_\_

Date \_\_\_\_/\_\_\_\_/\_\_\_\_

**Original to student file**



**Course Name:** NSC Paramedic 3

**Course Number:** EMS 762

**Course Department:** STEMM

**Course Term:** Summer 2018

**Last Revised by Department:** July 2017

**Total Semester Hour(s) Credit:** 6.5

**Total Contact Hours per Semester:**

Lecture: 60 Lab: 30 Clinical: 90

**Catalog Description:** This course is a continuation of NSC Paramedic 1 and 2. Head, ear, eye, nose, and throat disorders, endocrinology, immunology, gastroenterology, renal/urology, medical musculoskeletal disorders, cutaneous, toxicology, hematology, and infectious/communicable diseases, behavioral emergencies, gynecological emergencies, obstetrics, neonatology, pediatrics, geriatrics, and abuse/assault will be discussed. In addition students will discuss environmental emergencies, thoracic drainage systems, collagen vascular diseases, basic blood chemistries, central line monitoring and patients with agitated delirium. Students will complete 90 hour clinical experience in the hospital and prehospital setting. Clinical emphasis will be devoted to the emergency department, intensive care unit, coronary care unit, pediatrics, labor and delivery, and psychiatric departments. Students may begin field experience time with prehospital EMS agencies.

\*NSC = National Standard Curriculum.

**Pre-requisites and/or Co-requisites:**

- Prerequisites - NSC Paramedic 2 and EMS 810 Advanced Cardiac Life Support

**Textbook(s) Required:**

- AAOS: Nancy Caroline's Emergency Care in the Streets 8<sup>th</sup> Edition; Pollak; ISBN: 9781284095340

**Access Code:** None

**Materials Required:** None

**Suggested Materials:** Good quality stethoscope, boots/shoes, and EMS pants for clinical rotations.

**Institutional Outcomes:**

**Critical Thinking:** The ability to dissect a multitude of incoming information, sorting the pertinent from the irrelevant, in order to analyze, evaluate, synthesize, or apply the information to a defensible conclusion.

**Effective Communication:** Information, thoughts, feelings, attitudes, or beliefs transferred either verbally or nonverbally through a medium in which the intended meaning is clearly and correctly understood by the recipient with the expectation of feedback.

**Personal Responsibility:** Initiative to consistently meet or exceed stated expectations over time.

**Department/Program Outcomes:** To prepare competent entry-level Paramedics in the cognitive (knowledge), psychomotor (skills), and affective (behavioral) learning domains with or without exit points at the Advanced Emergency Medical Technician and/or Emergency Medical Technician, and/or Emergency Medical Responder levels.

**Student Learning Outcomes:**

- a. At the completion of this unit, the Paramedic student will be able to integrate pathophysiological principles and assessment findings to formulate a field impression and implement the treatment plan for the patient experiencing a head, ear, eye, nose, throat, endocrine problem, immunology, gastroenterologic problem, urologic problem, medical musculoskeletal disorders, cutaneous, toxicology exposure, hematopoietic problem, agitated delirium or a patient with infectious or communicable diseases.
- b. At the completion of this unit, the Paramedic student will understand and implement the concepts of environmental emergencies, thoracic drainage systems, collagen vascular diseases, basic blood chemistries, central line monitoring.
- c. At the completion of this unit, the paramedic student will be able to integrate pathophysiological principles and assessment findings to formulate a field impression and implement the treatment plan for the behavioral emergency, gynecological emergency and obstetric patient.
- d. At the completion of this unit, the paramedic student will be able to integrate pathophysiological principles and assessment findings to formulate a field impression and implement the treatment plan for neonatal, pediatric, and geriatric patients.

**Course Objectives:**

- a. The paramedic student will be able to integrate pathophysiological principles and assessment findings to formulate a field impression and implement a treatment plan for the patient with an endocrine problem.
- b. The paramedic student will be able to integrate pathophysiological principles and assessment findings to formulate a field impression and implement a treatment plan for the patient with an allergic or anaphylactic reaction.
- c. The paramedic student will be able to integrate pathophysiological principles and assessment findings to formulate a field impression and implement the treatment plan for the patient with a gastroenterologic problem.
- d. The paramedic student will be able to integrate pathophysiological principles and the assessment findings to formulate a field impression and implement a treatment plan for the patient with a renal or urologic problem.
- e. The paramedic student will be able to integrate pathophysiological principles and assessment findings to formulate a field impression and implement a treatment plan for the patient with a toxic exposure.
- f. The paramedic student will be able to integrate the pathophysiological principles of the hematopoietic system to formulate a field impression and implement a treatment plan.
- g. The paramedic student will be able to integrate pathophysiological principles and assessment findings to formulate a field impression and implement a management plan for the patient with head, ear, eye, nose and throat disorders.
- h. The paramedic student will be able to integrate pathophysiological principles and assessment findings to formulate a field impression and implement a management plan for the patient with infectious and communicable diseases.
- i. The paramedic student will be able to integrate pathophysiological principles and assessment findings to formulate a field impression and implement a management plan for the patient with medical disorder with a medical cause.
- j. The paramedic student will be able to integrate pathophysiological principles and assessment findings to formulate a field impression and implement a management plan for the patient with cutaneous diseases.
- k. The paramedic student will be able to integrate pathophysiological principles and assessment findings to formulate a field impression and implement a management plan for the patient with an environmental emergency.
- l. The paramedic student will be able to integrate pathophysiological principles and assessment findings to formulate a field impression and implement a management plan for the patient with thoracic drainage system or central line complication.

- m. The paramedic student will be able to integrate pathophysiological principles and assessment findings to formulate a field impression and implement a management plan for the patient with collagen vascular diseases.
- n. The paramedic student will be able to integrate pathophysiological principles and assessment findings for basic blood chemistries.
- o. The paramedic student will be able to integrate pathophysiological principles and assessment findings to formulate a field impression and implement a management plan for the patient with agitated delirium.
- p. The paramedic student will be able to describe and demonstrate safe, empathetic competence in caring for patients with behavioral emergencies.
- q. The paramedic student will be able to utilize gynecological principles and assessment findings to formulate a field impression and implement the management plan for the patient experiencing a gynecological emergency.
- r. The paramedic student will be able to apply an understanding of the anatomy and physiology of the female reproductive system to the assessment and management of a patient experiencing normal or abnormal labor.
- s. The paramedic student will be able to integrate pathophysiological principles and assessment findings to formulate a field impression and implement the treatment plan for the neonatal patient.
- t. The paramedic student will be able to integrate pathophysiological principles and assessment findings to formulate a field impression and implement the treatment plan for the pediatric patient.
- u. The paramedic student will be able to integrate the pathophysiological principles and the assessment findings to formulate and implement a treatment plan for the geriatric patient.
- v. The paramedic student will be able to integrate the assessment findings to formulate a field impression and implement a treatment plan for the patient who has sustained abuse or assault.

**College Procedures:** All college-wide procedures are located in the Iowa Central Community College Student Handbook.

**Assessments:**

- a. Quizzes – Short quizzes may be given throughout the course. Quizzes are not allowed to be made up unless a student is absent because of a college sponsored activity or military commitment. All unannounced quiz scores will be used in the calculation of the student's final grade.
- b. Homework/Assignments – Assignments and homework may be assigned throughout the course. If you will not be in class it is your responsibility to submit any homework/assignments prior to the time due.
- c. Practical skill labs – You should plan on attending class for all practical skill labs. Practical exam labs may only be made up at the discretion of

your instructor unless you are absent for college sponsored activity or military commitment. Labs will be conducted utilizing the 2015 Paramedic Psychomotor Competency Portfolio standards. All practical skills labs are graded as pass or fail. To pass the practical skills lab portion of the course, the student must demonstrate a 78% proficiency, at a minimum, in all practical skills as determined by classmates (peer evaluations), the instructor, instructor aides, or EMS Coordinator. Failure to complete the Paramedic Psychomotor Competency Portfolio by the end of the Paramedic program will result in the student not being approved for National Registry cognitive and psychomotor testing.

We will be using equipment and supplies during practical skills lab that must be used under the direct supervision of an instructor, instructor aide, or EMS coordinator. At no time shall a student remove equipment or supplies from the practical skills lab area without the expressed approval of the instructor, instructor aide, or EMS coordinator. Removal of equipment or supplies from the practical skills lab area without approval will result in disciplinary action up to and including removal from the program.

- d. Exams – There will be unit exams and a cumulative final exam for the course. Exams may consist of multiple choice, true/false or short answer questions. Any missed examinations must be taken within two class meetings from the original testing date otherwise a zero will be given. **Students will receive a 10% point deduction for any missed exams.** Students will not be allowed to retake exams on which they have scored poorly. Any missed examinations must be taken within two class meetings from the original testing date otherwise a score of zero will be awarded for the examination. Students arriving more than five minutes late for exams will not be allowed to take the exam.
- e. Clinical - The clinical portion of EMS-763 is pass/fail. To pass the clinical component, the student must demonstrate proficiency in all clinical skills as determined by the instructor, coordinator, preceptor, or instructor aides. All clinical skills must be performed under the direct supervision of a preceptor. In addition the student must complete a minimum of 90 hours of clinical/field time prior to the end date of the course to pass the clinical component of the course. Students must pass the clinical component to be eligible for a satisfactory grade (C or above). Failure of clinical skills or failing to complete the required hours/contacts by the end date of the course will result in a failing grade or “F” for the course regardless of the student’s didactic points. Removal of equipment or supplies from the clinical area without approval will result in disciplinary action up to and including removal from the program.
- f. Affective performance – Students will be evaluated on their affective performance. The affective domain evaluates how an individual reacts emotionally. Specifically students will be evaluated on their awareness and growth in the areas of attitude, emotions, and feelings as it relates to

their instructors, preceptors, peers, and patient's. Students will be given a rubric, at the beginning of class, explaining the point structure and specific areas evaluated using the affective domain.

**Weighting of assessments:**

1. Labs – 10% of final grade
2. Participation – 5% of final grade
3. Classwork – 10% of final grade
4. Exams – 60% of final grade
5. Finals – 15% of final grade

**Please note that assessments are subject to change**

**Non-discrimination Statement:**

It is the policy of Iowa Central Community College not to discriminate on the basis of race, color, national origin, sex, disability, age (employment), sexual orientation, gender identity, creed, religion, and actual or potential parental, family or marital status in its programs, activities, or employment practices as required by the Iowa Code §§ 216.6 and 216.9, Titles VI and VII of the Civil Rights Act of 1964 (42 U.S.C. §§ 2000d and 2000e), the Equal Pay Act of 1973 (29 U.S.C. § 206, et seq.), Title IX (Educational Amendments, 20 U.S.C. §§ 1681 – 1688), Section 504 (Rehabilitation Act of 1973, 29 U.S.C. § 794), Age Discrimination Act of 1975 (34 CFR Part 110), and Title II of the Americans with Disabilities Act (42 U.S.C. § 12101, et seq.).

If you have questions or complaints related to compliance with this policy, please contact Kim Whitmore, Director of Human Resources, phone number 515-574-1138, whitmore@iowacentral.edu; or the Director of the Office for Civil Rights, U.S.

Department of Education, Citigroup Center, 500 W. Madison, Suite 1475, Chicago, IL 60661, phone number 312-730-1560, fax 312-730-1576.

**Disability/Accommodation Services:**

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[www.iowacentral.edu/accommodations](http://www.iowacentral.edu/accommodations).

**Bias-Free Classroom Statement:**

The Emergency Medical Technician program maintains high standards of respect in regard to individual beliefs and values when selecting classroom materials including textbooks, project activities, power points, videos, presentations, and classroom discussions.



It is our belief that all people have the right to obtain an education within our department/program courses free of bias, with full respect demonstrated to all who enroll in the courses of this department/program.

**External Accreditation:** The Iowa Central Community College Paramedic program, on the Fort Dodge campus, is accredited by the Commission on Accreditation of Allied Health Education Programs ([www.caahep.org](http://www.caahep.org)) upon the recommendation of the Committee on Accreditation of Educational Programs for the Emergency Medical Services Professions (CoAEMSP).



**Course Name:** NSC Paramedic 4

**Course Number:** EMS 763

**Course Department:** STEMM

**Course Term:** Fall 2017

**Last Revised by Department:** July 2017

**Total Semester Hour(s) Credit:** 9.5

**Total Contact Hours per Semester:**

Lecture: 90 Lab: 30 Clinical: 150

**Catalog Description:** This course is a continuation of NSC Paramedic 1-3. Care of the patient with special challenges and chronic illnesses will be discussed. Students will learn how to effectively manage a multiple casualty incident, gain Haz-Mat awareness, how to safely and effectively transport their patient, how to operate at a crime scene, and gain rescue awareness. Trauma and assessment based management will be discussed. Students will perform 150 hours of clinical time in the hospital and prehospital setting. Clinical emphasis will be devoted to the emergency department, intensive care unit, coronary care unit, pediatric department, labor and delivery department, and psychiatric department. Students will be expected to gain prehospital field experience on an ambulance or fire based EMS service.

\*NSC = National Standard Curriculum.

**Pre-requisites and/or Co-requisites:**

- Prerequisite - EMS 762 NSC Paramedic 3
- Co-requisite - EMS 815 Pediatric Advanced Life Support

**Textbook(s) Required:**

1. Paramedic Practice Today Above and Beyond Revised Reprint; Aehlert; ISBN: 978-128-402-9666
2. Pediatric Advanced Life Support Provider Manual (2010); American Heart Association; ISBN: 978-1-61669-1127

**Access Code:** None

**Materials Required:** None

**Suggested Materials:** None

**Institutional Outcomes:**

**Critical Thinking:** The ability to dissect a multitude of incoming information, sorting the pertinent from the irrelevant, in order to analyze, evaluate, synthesize, or apply the information to a defensible conclusion.

**Effective Communication:** Information, thoughts, feelings, attitudes, or beliefs transferred either verbally or nonverbally through a medium in which the intended meaning is clearly and correctly understood by the recipient with the expectation of feedback.

**Personal Responsibility:** Initiative to consistently meet or exceed stated expectations over time.

**Department/Program Outcomes:** To prepare competent entry-level Paramedics in the cognitive (knowledge), psychomotor (skills), and affective (behavioral) learning domains with or without exit points at the Advanced Emergency Medical Technician and/or Emergency Medical Technician, and/or Emergency Medical Responder levels.

**Student Learning Outcomes:**

- a. At the completion of this unit, the paramedic student will be able to integrate pathophysiological principles and assessment findings to formulate a field impression and implement the treatment plan for patients with diverse backgrounds and chronically ill patients.
- b. At the completion of this unit, the paramedic student will be able to integrate pathophysiological principles and assessment findings to formulate a field impression and implement the treatment plan for the trauma patient.
- c. At the completion of this unit, the paramedic student will be able to integrate pathophysiological principles and assessment findings to formulate a field impression and implement the treatment plan for patients with common complaints.
- d. At the completion of this unit, the paramedic student will be able to safely manage the scene of an emergency.

**Course Objectives:**

- a. The paramedic student will be able to integrate pathophysiological and psychosocial principles to adapt the assessment and treatment plan for diverse patients and those who face physical, mental, social and financial challenges.
- b. The paramedic student will be able to integrate the pathophysiological principles and the assessment findings to formulate a field impression and

implement a treatment plan for the acute deterioration of a chronic care patient.

- c. The paramedic student will be able to integrate pathophysiological principles and assessment findings to formulate a field impression and implement the treatment plan for the patient with an environmentally induced or exacerbated medical or traumatic condition.
- d. The Paramedic student will be able to integrate the principles of kinematics to enhance the patient assessment and predict the likelihood of injuries based on the patient's mechanism of injury.
- e. The paramedic student will be able to integrate pathophysiological principles and assessment findings to formulate a field impression and implement the treatment plan for the patient with shock or hemorrhage.
- f. The paramedic student will be able to integrate pathophysiological principles and the assessment findings to formulate a field impression and implement the treatment plan for the patient with soft tissue trauma.
- g. The paramedic student will be able to integrate pathophysiological principles and the assessment findings to formulate a field impression and implement the management plan for the patient with a burn injury.
- h. The paramedic student will be able to integrate pathophysiological principles and the assessment findings to formulate a field impression and implement a treatment plan for the trauma patient with a suspected head injury.
- i. The paramedic student will be able to integrate pathophysiological principles and the assessment findings to formulate a field impression and implement a treatment plan for the patient with a suspected spinal injury.
- j. The paramedic student will be able to integrate pathophysiological principles and the assessment findings to formulate a field impression and implement a treatment plan for a patient with a thoracic injury.
- k. The paramedic student will be able to integrate pathophysiological principles and the assessment findings to formulate a field impression and implement the treatment plan for the patient with suspected abdominal trauma.
- l. The paramedic student will be able to integrate pathophysiological principles and the assessment findings to formulate a field impression and implement the treatment plan for the patient with a musculoskeletal injury.
- m. The paramedic student will be able to integrate the principles of assessment based management to perform an appropriate assessment and implement the management plan for patients with common complaints.
- n. The paramedic will understand standards and guidelines that help ensure safe and effective ground and air medical transport.
- o. The paramedic student will be able to integrate the principles of general incident management and multiple casualty incident (MCI) management techniques in order to function effectively at major incidents.

- p. The paramedic student will be able to integrate the principles of rescue awareness and operations to safely rescue a patient from water, hazardous atmospheres, trenches, highways, and hazardous terrain.
- q. The paramedic student will be able to evaluate hazardous materials emergencies, call for appropriate resources, and work in the cold zone.
- r. The paramedic student will have an awareness of the human hazard of crime and violence and the safe operation at crime scenes and other emergencies.

**College Procedures:** All college-wide procedures are located in the Iowa Central Community College Student Handbook.

**Assessments:**

- a. Quizzes – Short quizzes may be given throughout the course. Quizzes are not allowed to be made up unless a student is absent because of a college sponsored activity or military commitment. All unannounced quiz scores will be used in the calculation of the student's final grade.
- b. Homework/Assignments – Assignments and homework may be assigned throughout the course. If you will not be in class it is your responsibility to submit any homework/assignments prior to the time due.
- c. Practical skill labs – You should plan on attending class for all practical skill labs. Practical exam labs may only be made up at the discretion of your instructor unless you are absent for college sponsored activity or military commitment. Labs will be conducted utilizing the 2015 Paramedic Psychomotor Competency Portfolio standards. All practical skills labs are graded as pass or fail. To pass the practical skills lab portion of the course, the student must demonstrate a 78% proficiency, at a minimum, in all practical skills as determined by classmates (peer evaluations), the instructor, instructor aides, or EMS Coordinator. Failure to complete the Paramedic Psychomotor Competency Portfolio by the end of the Paramedic program will result in the student not being approved for National Registry cognitive and psychomotor testing.

We will be using equipment and supplies during practical skills lab that must be used under the direct supervision of an instructor, instructor aide, or EMS coordinator. At no time shall a student remove equipment or supplies from the practical skills lab area without the expressed approval of the instructor, instructor aide, or EMS coordinator. Removal of equipment or supplies from the practical skills lab area without approval will result in disciplinary action up to and including removal from the program.

- d. Exams – There will be unit exams and a cumulative final exam for the course. Exams may consist of multiple choice, true/false or short answer questions. Any missed examinations must be taken within two

class meetings from the original testing date otherwise a zero will be given. **Students will receive a 10% point deduction for any missed exams.** Students will not be allowed to retake exams on which they have scored poorly. Any missed examinations must be taken within two class meetings from the original testing date otherwise a score of zero will be awarded for the examination. Students arriving more than five minutes late for exams will not be allowed to take the exam.

- e. Clinical - The clinical portion of EMS-763 is pass/fail. To pass the clinical component, the student must demonstrate proficiency in all clinical skills as determined by the instructor, coordinator, preceptor, or instructor aides. All clinical skills must be performed under the direct supervision of a preceptor. In addition the student must complete a minimum of 150 hours of clinical/field time prior to the end date of the course to pass the clinical component of the course. Students must pass the clinical component to be eligible for a satisfactory grade (C or above). Failure of clinical skills or failing to complete the required hours/contacts by the end date of the course will result in a failing grade or "F" for the course regardless of the student's didactic points. Removal of equipment or supplies from the clinical area without approval will result in disciplinary action up to and including removal from the program.
- f. Affective performance – Students will be evaluated on their affective performance. The affective domain evaluates how an individual reacts emotionally. Specifically students will be evaluated on their awareness and growth in the areas of attitude, emotions, and feelings as it relates to their instructors, preceptors, peers, and patient's. Students will be given a rubric, at the beginning of class, explaining the point structure and specific areas evaluated using the affective domain.

**Weighting of assessments:**

- 1. Labs – 10% of final grade
- 2. Participation – 10% of final grade
- 3. Homework – 5% of final grade
- 4. Exams – 60% of final grade
- 5. Finals – 15% of final grade

**Please note that assessments are subject to change**

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**Bias-Free Classroom Statement:**

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It is our belief that all people have the right to obtain an education within our department/program courses free of bias, with full respect demonstrated to all who enroll in the courses of this department/program.

**External Accreditation:** The Iowa Central Community College Paramedic program, on the Fort Dodge campus, is accredited by the Commission on Accreditation of Allied Health Education Programs ([www.caahep.org](http://www.caahep.org)) upon the recommendation of the Committee on Accreditation of Educational Programs for the Emergency Medical Services Professions (CoAEMSP).



**Course Name:** Pediatric Advanced Life Support (PALS)

**Course Number:** EMS 815

**Course Department:** STEMM

**Course Term:** Fall 2017

**Last Revised by Department:** July 2017

**Total Semester Hour(s) Credit:** 1.0

**Total Contact Hours per Semester:**

Lecture: 15 Lab: 0 Clinical: 0

**Catalog Description:** This course is designed to provide the student with the knowledge and skills necessary to care for newborn and pediatric patients in emergency medical situations. Treatment protocols will be based on the current American Heart Association guidelines. Completion of a cardiac dysrhythmias course is highly recommended. If a cardiac dysrhythmias course has not been taken students must seek approval from the EMS Coordinator prior to taking this course. This course is offered pass/fail.

**Pre-requisites and/or Co-requisites:**

- Prerequisite - EMT-P, or Paramedic certification, RN licensure, Respiratory Therapist licensure or completion of NSC Paramedic 3 (EMS 762)
- Co-requisite – NSC Paramedic 4 (EMS 763)

**Textbook(s) Required:** AHA Pediatric Advanced Life Support Provider Manual  
(Current Edition)

**Access Code:** None

**Materials Required:** None

**Suggested Materials:** None



## **Institutional Outcomes:**

**Critical Thinking:** The ability to dissect a multitude of incoming information, sorting the pertinent from the irrelevant, in order to analyze, evaluate, synthesize, or apply the information to a defensible conclusion.

**Effective Communication:** Information, thoughts, feelings, attitudes, or beliefs transferred either verbally or nonverbally through a medium in which the intended meaning is clearly and correctly understood by the recipient with the expectation of feedback.

**Personal Responsibility:** Initiative to consistently meet or exceed stated expectations over time.

**Department/Program Outcomes:** To prepare competent entry-level Paramedics in the cognitive (knowledge), psychomotor (skills), and affective (behavioral) learning domains with or without exit points at the Advanced Emergency Medical Technician and/or Emergency Medical Technician, and/or Emergency Medical Responder levels.

## **Student Learning Outcomes:**

- a. At the completion of this course participants will understand the concepts and methodologies of advanced pediatric cardiac life support. Participants will be able to utilize those concepts and methodologies to successfully treat a newborn or pediatric patient experiencing an emergency medical situation including respiratory or cardiac compromise.

## **Course Objectives:**

- a. Recognize the two most common pre-arrest syndromes and describe interventions to prevent cardiopulmonary arrest in the pediatric patient.
- b. Demonstrate the use of adjuncts for airway and mechanical breathing.
- c. Demonstrate proper techniques in Basic Life Support.
- d. Discuss the indications for emergency treatment of rhythm disturbances in children.
- e. Develop priorities for the management of shock, respiratory failure and cardiopulmonary arrest.

**College Procedures:** All college-wide procedures are located in the Iowa Central Community College Student Handbook.

## **Assessments:**

- a. Practical skill labs – You should plan on attending class for all practical skill labs. Labs will be conducted utilizing the current American Heart Association psychomotor standards. All practical skills labs are graded as pass or fail.

We will be using equipment and supplies during practical skills lab that must be used under the direct supervision of an instructor, instructor aide, or EMS coordinator. At no time shall a student remove equipment or supplies from the practical skills lab area without the expressed approval of the instructor, instructor aide, or EMS coordinator. Removal of equipment or supplies from the practical skills lab area without approval will result in disciplinary action up to and including removal from the program.

- b. Exams – There will be a cumulative final exam for the course provided by the American Heart Association. Students must successfully complete the exam based on the standards dictated by the American Heart Association.

**Please note that assessments are subject to change**

**Non-discrimination Statement:**

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**External Accreditation:** The Iowa Central Community College Paramedic program, on the Fort Dodge campus, is accredited by the Commission on Accreditation of Allied Health Education Programs ([www.caahep.org](http://www.caahep.org)) upon the recommendation of the Committee on Accreditation of Educational Programs for the Emergency Medical Services Professions (CoAEMSP).



**Course Name:** Advanced Cardiac Life Support (ACLS)

**Course Number:** EMS 810

**Course Department:** STEMM

**Course Term:** Spring 2018

**Last Revised by Department:** July 2017

**Total Semester Hour(s) Credit:** 1.0

**Total Contact Hours per Semester:**

Lecture: 15 Lab: 0 Clinical: 0

**Catalog Description:** This course is designed to provide the student with advanced emergency cardiovascular knowledge and skills. Treatment protocols will be based on the current American Heart Association guidelines. Completion of a cardiac dysrhythmia course is highly recommended. If a cardiac dysrhythmia course has not been taken students must seek approval from the EMS Coordinator prior to taking this course. This course is offered pass/fail.

**Pre-requisites and/or Co-requisites:**

- Prerequisite - EMT-P, or Paramedic certification, RN licensure, Respiratory Therapist licensure or completion of NSC Paramedic 1 (EMS 760)
- Co-requisite – NSC Paramedic 2 (EMS 761)

**Textbook(s) Required:** AHA Advanced Cardiac Life Support Provider Manual (Current Edition)

**Access Code:** None

**Materials Required:** None

**Suggested Materials:** None

**Institutional Outcomes:**

**Critical Thinking:** The ability to dissect a multitude of incoming information, sorting the pertinent from the irrelevant, in order to analyze, evaluate, synthesize, or apply the information to a defensible conclusion.

**Effective Communication:** Information, thoughts, feelings, attitudes, or beliefs transferred either verbally or nonverbally through a medium in which the intended meaning is clearly and correctly understood by the recipient with the expectation of feedback.

**Personal Responsibility:** Initiative to consistently meet or exceed stated expectations over time.

**Department/Program Outcomes:** To prepare competent entry-level Paramedics in the cognitive (knowledge), psychomotor (skills), and affective (behavioral) learning domains with or without exit points at the Advanced Emergency Medical Technician and/or Emergency Medical Technician, and/or Emergency Medical Responder levels.

**Student Learning Outcomes:**

- a. At the completion of this course participants will understand the concepts and methodologies of advanced cardiac life support. Participants will be able to utilize those concepts and methodologies to successfully treat an adult patient experiencing an emergency medical situation including respiratory or cardiac compromise.

**Course Objectives:**

- a. Recognize the two most common pre-arrest syndromes and describe interventions to prevent cardiopulmonary arrest in the adult patient.
- b. Demonstrate the use of adjuncts for airway and mechanical breathing.
- c. Demonstrate proper techniques in Basic Life Support.
- d. Discuss the indications for emergency treatment of rhythm disturbances in adults.
- e. Develop priorities for the management of shock, respiratory failure and cardiopulmonary arrest.

**College Procedures:** All college-wide procedures are located in the Iowa Central Community College Student Handbook.

**Assessments:**

- a. Practical skill labs – Practical skill labs are listed on the course handout. You should plan on attending class for all practical skill labs. Labs will be conducted utilizing the current American Heart Association psychomotor standards. All practical skills labs are graded as pass or fail.

We will be using equipment and supplies during practical skills lab that must be used under the direct supervision of an instructor, instructor aide, or EMS coordinator. At no time shall a student remove equipment or supplies from the practical skills lab area without the expressed approval of the instructor, instructor aide, or EMS coordinator. Removal of equipment or supplies from the practical skills lab area without approval will result in disciplinary action up to and including removal from the program.

- b. Exams – There will be a cumulative final exam for the course provided by the American Heart Association. Students must successfully complete the exam based on the standards dictated by the American Heart Association.

### **Please note that assessments are subject to change**

#### **Non-discrimination Statement:**

It is the policy of Iowa Central Community College not to discriminate on the basis of race, color, national origin, sex, disability, age (employment), sexual orientation, gender identity, creed, religion, and actual or potential parental, family or marital status in its programs, activities, or employment practices as required by the Iowa Code §§ 216.6 and 216.9, Titles VI and VII of the Civil Rights Act of 1964 (42 U.S.C. §§ 2000d and 2000e), the Equal Pay Act of 1973 (29 U.S.C. § 206, et seq.), Title IX (Educational Amendments, 20 U.S.C. §§ 1681 – 1688), Section 504 (Rehabilitation Act of 1973, 29 U.S.C. § 794), Age Discrimination Act of 1975 (34 CFR Part 110), and Title II of the Americans with Disabilities Act (42 U.S.C. § 12101, et seq.).

If you have questions or complaints related to compliance with this policy, please contact Kim Whitmore, Director of Human Resources, phone number 515-574-1138, whitmore@iowacentral.edu; or the Director of the Office for Civil Rights, U.S. Department of Education, Citigroup Center, 500 W. Madison, Suite 1475, Chicago, IL 60661, phone number 312-730-1560, fax 312-730-1576.

#### **Disability/Accommodation Services:**

If you have a request for an accommodation based on the impact of a disability, it is Iowa Central's policy that you contact the Academic Assistance & Accommodations Coordinator to discuss your specific needs and to provide supporting information and documentation, so we may determine appropriate accommodations. The office for accommodations is located in the Academic Resource Center, and it can be reached by calling 515-574-1045. For online information about accommodations, please go to [www.iowacentral.edu/accommodations](http://www.iowacentral.edu/accommodations).

**Bias-Free Classroom Statement:**

The Emergency Medical Technician program maintains high standards of respect in regard to individual beliefs and values when selecting classroom materials including textbooks, project activities, power points, videos, presentations, and classroom discussions.

It is our belief that all people have the right to obtain an education within our department/program courses free of bias, with full respect demonstrated to all who enroll in the courses of this department/program.

**External Accreditation:** The Iowa Central Community College Paramedic program, on the Fort Dodge campus, is accredited by the Commission on Accreditation of Allied Health Education Programs ([www.caahep.org](http://www.caahep.org)) upon the recommendation of the Committee on Accreditation of Educational Programs for the Emergency Medical Services Professions (CoAEMSP).



Course Syllabus		
Course Name: NSC Paramedic 5 Course Number: EMS 764 Course Department: Health Science Course Term: Spring 2017 Revised: December 2016		
Room: AST 210	Day: Monday Day: Thursday	Time: 5 PM – 9 PM Time: 5 PM – 9 PM
Course Start Date: January 12, 2017		Course End Date: May 4, 2017
Instructors: Paul Arens, M.Ed., Paramedic, EMS-I Luke Winkelman, Paramedic, EMS-I		Office Location: AST 204
E-mail Address: <a href="mailto:arens@iowacentral.edu">arens@iowacentral.edu</a> (Paul) <a href="mailto:red dawn112000@gmail.com">reddawn112000@gmail.com</a> (Luke)		Office Hours: Day: Monday Time: 4:30 PM – 5:00 PM (Luke) Day: Thursday Time: 4:30 PM – 5:00 PM (Paul)
Phone: Paul: (515) 574-1300 or (515) 344-4192 Luke: (712) 790-0368		Or as scheduled by appointment
Final Exam: Day: Monday Date: May 1, 2017 Time: 5 PM		

1. Total Semester Hour(s) Credit: 8.5
  2. Total Contact Hours per Semester:
    - a. Lecture: 75 Lab: 45 Clinical: 120
  3. Catalog Description: This course is a continuation of NSC Paramedic 1 – 4. Students will review previous program course content and practice NREMT Paramedic psychomotor examination skill stations. Students will prepare for the NREMT-Paramedic psychomotor and cognitive exams. Students will perform a 120 hour clinical/field experience to obtain program goals. The emphasis should be on a field internship with ambulance services and fire based EMS.
- \*NSC = National Standard Curriculum
4. Pre-requisites and/or Co-requisites:
    - a. Prerequisite: NSC Paramedic 4  
Pediatric Advanced Life Support (EMS 815)
    - b. Co-Requisite: Prehospital Trauma Life Support (EMS 820)



5. Textbook Required: Paramedic Practice Today Above and Beyond Revised Reprint; Aehlert; ISBN: 978-128-402-9666
6. Supplemental Materials Required: PHTLS Prehospital Trauma Life Support 8<sup>th</sup> Edition; NAEMT; ISBN: 978-1284092165
7. Institutional Outcomes:
  - a. *Critical Thinking*: The ability to dissect a multitude of incoming information, sorting the pertinent from the irrelevant, in order to analyze, evaluate, synthesize, or apply the information to a defensible conclusion.
  - b. *Effective Communication*: Information, thoughts, feelings, attitudes, or beliefs transferred either verbally or nonverbally through a medium in which the intended meaning is clearly and correctly understood by the recipient with the expectation of feedback.
  - c. *Personal Responsibility*: Initiative to consistently meet or exceed stated expectations over time.
8. Department Outcomes:
  - a. Provide effective education in emergency medical services and related areas to produce competent graduates that can practice as entry level nationally registered Paramedics. Program graduates should participate in personal development and career development activities.
  - b. Provide programming that meets the needs of the customers that we serve.
  - c. Provide encouragement to graduates to pursue career advancement in EMS education, management, or baccalaureate education.
9. Course Outcomes:
  - a. The paramedic student will be able to integrate pathophysiological principles and assessment findings to formulate a field impression and implement the treatment plan for the patient with a medical or trauma emergency.
  - b. The Paramedic student will be able to successfully integrate and apply the knowledge obtained in the Paramedic program to a variety of cognitive and psychomotor experiences.
  - c. Low, medium, and high fidelity simulation may be utilized to obtain psychomotor outcomes for this course.
10. Student Outcomes:
  - a. At the completion of this unit, the Paramedic student will be able to integrate pathophysiological principles and assessment findings to formulate a field impression and implement the treatment plan for the patient experiencing a medical to trauma emergency.
  - b. At the completion of this unit, the paramedic student will be able to integrate pathophysiological principles and assessment findings to a variety of cognitive and psychomotor experiences and will be prepared to successfully complete the NREMT Paramedic cognitive and psychomotor examinations.
11. College Procedures:
  - a. Administrative Withdrawal Process

Administrative Withdrawal: An expectation of this course is that you will participate in all class meetings and conscientiously complete all required course activities and/or assignments. You will be notified via Iowa Central email and Triton Alerts when you have missed 15%, 20%, and 25%. It is your responsibility to check email and sign up for Triton Alerts. After you miss 25% of scheduled class meetings, you will be administratively withdrawn from this course. You have the right to appeal the withdrawal to the Vice President of Instruction. Administrative withdrawal may have academic, scholarship, financial aid, and/or housing implications. If you have questions about the administrative withdrawal policy at any point during the semester, please contact me.

b. Americans with Disabilities Act Statement:

As required by the Department of Education, it is the policy of Iowa Central Community College not to discriminate on the basis of race, creed, color, sexual orientation, gender identity, national origin, sex, disability, religion, or age in its programs, activities, or employment practices as required by the Iowa Code sections 216.9 and 256.10(2), Titles VI and VII of the Civil Rights Act of 1964 (42 U.S.C. § 2000d and 2000e), the Equal Pay Act of 1973 (29 U.S.C. § 206, et seq.), Title IX (Educational Amendments, 20 U.S.C. §§ 1681 – 1688), Section 504 (Rehabilitation Act of 1973, 29 U.S.C. § 794), and the Americans with Disabilities Act (42 U.S.C. § 12101, et seq.).

Individuals having questions or complaints related to compliance with this policy should contact the Vice President of Enrollment Management and Student Development or the Director of the Office for Civil Rights, U.S. Department of Education, Citigroup Center, 500 W. Madison, Suite 1475, Chicago, IL 60661, phone number 312/730-1560, fax 312/730-1576.

- c. Children in the Classroom: Students are not allowed to bring children into the classrooms, labs, shops, or hallways during class times.
- d. Class cancelation: Class cancelations will be posted on Triton Pass and emailed to students. Cancelations, including campus closings, are also available as text messages through Triton Alerts.
- e. Course withdrawal procedure:
  - 1. The student will submit the withdrawal request online. This is located in WebAdvisor.
  - 2. The instructor immediately receives an email telling him/her that the student has requested the drop.
  - 3. The instructor will go into WebAdvisor and approve or deny the request.
  - 4. If the instructor does not respond immediately, he/she will receive an email each night until the request is approved or denied.
  - 5. If the instructor does not respond after two working days, the Health Science Dean will receive an email saying the instructor has not responded to the request yet.
  - 6. Once the request is approved, the Student Records Office will withdraw the student based on the date the student submitted the request.
- f. Weather policy: In the event of extreme weather conditions necessitating closing the college, the following radio stations will be asked to announce the closing, starting at 6 am for day classes and 4 pm for evening classes: KVFD, KUEL, KKEZ, KIAQ, KQWC, KTPR, KHBT, KTLB, KAYL, and KDLS. Instructors may make final decisions on make-ups due to inclement weather. The final decision to attend college classes can only be made by the individual based on his or her specific extenuating circumstances that may make it hazardous for him or her to travel. Students may sign-up for the Triton Alert system to receive weather related information sent to their e-mail or via text message (text messaging fees may apply). Any student who feels that they cannot safely make it to class due to inclement weather should notify the course instructor or EMS coordinator prior to the start of class.

12. Grade Appeal Process:

- a. Students who believe a course grade they have received is inaccurate may seek an appeal. Please refer to the Student Handbook for more specific information.

13. Special Assistance:

Iowa Central Community College offers a wide variety of individual help for students. We have academic assistance in the Academic Resource Center & Student Support Services/TRIO programs, a licensed counselor, a school nurse and services to help you map and achieve your goals. These services are free of charge and available to all Iowa Central students.

Academic Resource Center (ARC): 1-515-574-1045

Counselor: 1-515-574-1051

Triton Enrichment Center: 1-515-574-1192

Nurse: 1-515-574-1047

Student Support Services/TRIO: 1-515-574-1165

If you may need an accommodation based on the impact of a disability, please contact the Academic Assistance & Accommodations Coordinator to discuss your specific needs and to determine appropriate accommodations. The office for accommodations is located in the Academic Resource Center and can be reached by calling 515-574-1045. For online information about accommodations, please go to <http://www.iowacentral.edu/arc>.

14. Course Specific Policies:

a. Assessments:

- i. Quizzes – Short quizzes may be given throughout the course. Quizzes are not allowed to be made up unless a student is absent because of a college sponsored activity or military commitment. All unannounced quiz scores will be used in the calculation of the student's final grade.
- ii. Homework/Assignments – Assignments and homework may be assigned throughout the course. If you will not be in class it is your responsibility to submit any homework/assignments prior to the time due.
- iii. Practical skill labs – Practical skill labs are listed on the syllabus. You should plan on being there for all practical skill labs. Practical exam labs may not be made up unless you are absent for college sponsored activity or military commitment. Labs will be conducted using the NREMT-P practical exam standards and program skill sheets. All practical skills labs are graded as pass or fail. Students must pass the practical skills labs to be eligible for a satisfactory grade (C or above). To pass the practical skills labs, the student must demonstrate proficiency in all practical skills as determined by the instructor, coordinator, or instructor aides by the end of the course. Failure of practical skills labs will result in a failing grade or "F" for the course regardless of the student's didactic points.

We will be using equipment and supplies during practical skills lab that must be used under the direct supervision of an instructor, instructor aide, or EMS coordinator. At no time shall a student remove equipment or supplies from the practical skills lab area without the expressed approval of the instructor, instructor aide, or EMS coordinator. Removal of equipment or supplies from the practical skills lab area without approval will result in disciplinary action up to and including removal from the program.

- iv. Exams – There will be unit exams and a cumulative final exam for the course. Exams may consist of multiple choice, true/false or short answer questions. Any missed examinations must be taken within two class meetings from the original

testing date otherwise a zero will be given. **Students will receive a 10% point deduction for any missed exams.** Students will not be allowed to retake exams on which they have scored poorly. Any missed examinations must be taken within two class meetings from the original testing date otherwise a score of zero will be awarded for the examination. Students arriving more than five minutes late for exams will not be allowed to take the exam on the original exam date and will be required to take the exam under the missed examination policy as listed above.

- v. Clinical - The clinical portion of EMS-764 is pass/fail. To pass the clinical component, the student must demonstrate proficiency in all clinical skills as determined by the instructor, coordinator, preceptor, or instructor aides. All clinical skills must be performed under the direct supervision of a preceptor. In addition the student must complete a minimum of 120 hours of clinical/field internship time, complete capstone requirements, and achieve all program clinical contact requirements prior to the end date of the course to pass the clinical/field internship component of the course. Students must pass the clinical/field internship component to be eligible for a satisfactory grade (C or above). Failure of clinical skills or failing to complete the required hours/contacts by the end date of the course will result in a failing grade or "F" for the course regardless of the student's didactic points. Removal of equipment or supplies from the clinical area without approval will result in disciplinary action up to and including removal from the program.

Upon completion of Iowa Central Community College course requirements the student can't participate in field or clinical experiences as an Iowa Central Community College student.

Students who have not received approval for an extension of course requirements, due to extenuating circumstances, prior to the end date of the course can't participate in field or clinical experience as an Iowa Central Community College student after the end date of class.

Students will adhere to all policies governing EMS Student Uniform and Personal Appearance.

- vi. Affective performance – Students will be evaluated on their affective performance. The affective domain evaluates how an individual reacts emotionally. Specifically students will be evaluated on their awareness and growth in the areas of attitude, emotions, and feelings as it relates to their instructors, preceptors, peers, and patient's. Students will be given a rubric, at the beginning of class, explaining the point structure and specific areas evaluated using the affective domain.
- vii. FISDAP Cumulative Paramedic Exam – Paramedic students must complete the FISDAP cumulative Paramedic exam and are **required** to receive an overall percentage of 73% in order to be recommended for NREMT written testing. Students are responsible for the cost of the exam (current cost is \$26.25 which includes one initial and one retest attempt). Statistics have shown that students who pass the FISDAP Paramedic cumulative exam with a 73% overall percentage have a 97% success rate on their first attempt at the NREMT cognitive Paramedic exam.

Students who do not achieve a 73% on their initial attempt at the FISDAP comprehensive exam will be required to present proof of remediation over content contained within the FISDAP exam learning prescription. The proof must be provided prior to the FISDAP comprehensive exam retest.

**\*Please note that assessments are subject to change**

- b. **Classroom Management and Behavior:**
- i. Use of cellular phones, two-way radios, and pagers during class will be at the discretion of the instructor. At no time should the use of these devices be distracting to other students in class. The instructor reserves the right to request that these devices NOT be operational during class and to dismiss any student from class that abuses this policy.
  - ii. During classroom discussion or lecture, there will be respect displayed for the person speaking.
  - iii. Because of our fast-paced semester, I ask that you keep your questions relevant to the topic we are covering.
  - iv. Pay attention in class. Sometimes if you are distracted you may miss the answer to your question.
  - v. Be accountable for your actions. This will be helpful to you in your EMS studies.
  - vi. You may have food and drinks. If you spill anything, please clean it up immediately and dispose of your containers in the garbage.
  - vii. Students need to take responsibility for their own academic success. This includes reading the assigned readings, completing homework, and preparing for examinations and quizzes.
- c. **Communication:** Course instructors will dictate how they want to be contacted outside of normal class time. Students are expected to be respectful of course instructor's time and privacy. Whenever possible students should contact course instructors via e-mail. Please allow at least 72 hours for your instructor to respond to any e-mail correspondence. If contacting a course instructor by utilizing their private telephone number, cellular phone number, or text message it should only be done during the hours of 8 AM – 9 PM unless the instructor has explicitly given the student permission to contact them during other hours.
- d. **Computer Considerations:** Iowa Central Community College computers have Microsoft Word installed. Coursework created in "Works" and other programs may not open on college computers. Coursework should be saved in a Microsoft Office or PDF format. Excuses about disk or printer issues are not acceptable. Complete your work early and this will not be a problem. Please consult with your course instructor if you need clarification on how to save files.
- e. **Course Syllabus Agreement:** By remaining enrolled in NSC Paramedic 5, the student agrees to the policies contained in the syllabus. Students are given a chance to read and ask questions to clarify any information they do not understand. Students are expected to take responsibility for knowing the information contained in the EMS – 764 (NSC Paramedic 5) syllabus and will seek clarification as needed during their time in the NSC Paramedic 5 class.
- f. **Extra Credit Policy:** Extra credit is not awarded for this course.
- g. **Final Exam Policy:** If a student misses the final examination they receive a zero and will not be allowed to take the examination. Students arriving more than five minutes late for the final examination will not be allowed to take the exam.

No final will be administered before its scheduled time; however, any student scheduled for more than two exams on a given day, or at the same time, will take the exam listed in the course listed first alphabetically by course prefix during the scheduled exam time. It will be up to the student and instructor in the course listed last alphabetically to arrange another exam time, if needed. The student must provide a current schedule to the instructor for verification. Any requests for the final examination be taken early must be approved by the Vice-President of Instruction.

- h. **Grading Policy/Scale:** For successful completion of NSC Paramedic 5, students must achieve a “C” average, complete a minimum of 120 hour field internship on ambulance or fire based EMS services, and complete all program patient contacts and/or skills as outlined in the FISDAP system. The didactic portion of the Paramedic program is based on a point system. Coursework in NSC Paramedic 5 is weighted by category with some coursework carrying more weight than other coursework. Points obtained on all coursework will be added together. The total possible points will divide this total. **The final percentage will not be rounded. Students will receive the actual percentage that they have earned.** The resulting percentile will be applied to the following scale:

A student must earn 75% (straight percentage no rounding) to achieve a “C”.

92 – 100%	=	A
84 – 91%	=	B
75 – 83%	=	C
70 – 74%	=	D
69% and below	=	F

- i. **Group Work/Collaboration:** Group work/collaboration is allowed at the discretion of the instructor. The instructor will specifically indicate if group work/collaboration is allowed on a specific assignment. Unless directly indicated by the instructor it should be assumed that group work/collaboration is not allowed on assignments and such group work/collaboration is considered scholastic dishonesty and will be treated as such.
- j. **iNET Statement:** iNET will not be utilized for this course.
- k. **Late Work Policy:** If an assignment is not submitted the student will receive a zero. All assignments submitted after the time due will have a 25% point deduction per day that that they are late.
- l. **Participation/Attendance Policy:** An expectation of this course is that you will participate in all class meetings and conscientiously complete all required course activities and/or assignments. After you miss 25% of the course meetings, you will be administratively withdrawn from this course. *This class is scheduled to meet 30 times during the semester. When your number of absences has exceeded 30 hours, you will be withdrawn, and a “W” will appear on your transcript.* Absences must be reported to the course instructor or EMS Coordinator prior to the class. Daily attendance will be taken and entered into WebAdvisor. Participation points may be awarded at the discretion of the course instructor. In the event that you are absent from class you are not eligible for any participation points awarded during that class session.
- m. **Personal Responsibility:** Students need to take responsibility for their own academic success. This includes reading the assigned readings prior to class, completing homework on time, and adequately preparing for examinations and quizzes. In the event that a student knows that they will be absent from class or late to class they should make every effort to contact the course instructor or EMS Coordinator via e-mail or phone message as soon as possible. Students are responsible for making up course material prior to any absences unless an emergency arises.
- n. **Previous Work:** If a student wishes to submit work completed in another course to meet requirements of coursework for EMS-764 they must first seek the approval of the course instructor. Acceptance of previous coursework is at the discretion of the instructor. If a student does not seek prior approval from the course instructor any submittal of previous coursework will be considered scholastic dishonesty and will be treated as such.

- o. **Scholastic Dishonesty Policy:** Iowa Central Community College may initiate disciplinary proceedings against a student accused of scholastic dishonesty. Scholastic dishonesty includes, but is not limited to, cheating and plagiarizing. Plagiarism is presenting someone else's words as one's own. Whether in writing or in speaking. Cheating and plagiarism, whether intentional or accidental, are serious offenses. An instructor who suspects a student of scholastic dishonesty will inform the student of the allegation as soon as possible. It is up to the instructor to determine the disciplinary action to be taken, which could include giving the student a zero for the assignment, reducing the student's grade for the course, assigning an "F" for the course, or other action. Complete details of this policy may be found in the Iowa Central Community College Student Handbook.
- p. **Standards for Written Work:** Standards for written coursework will be at the discretion of the course instructor and will be clearly indicated. Course instructors can require coursework to be typed and may have standards for grammar, punctuation, etc. If MLA or APA format is required it will be indicated by the course instructor
- q. **Teaching Philosophy:** Power point presentations, small and large group discussions and activities, audio-visual material, computer interactive software, practical skill labs/demonstrations will be used. Students will practice skills on each other during the course of practical skill labs. All skills practice will be conducted under the direct supervision of course instructors. Students should report any conduct that they deem inappropriate immediately to the course instructor or EMS Coordinator.
- r. **Turnitin.com:** Turnitin.com may be utilized, in this course, at the discretion of the instructor.
- s. **Technology in the classroom:** Students are encouraged to bring laptops and other technology to class to facilitate their learning. All technology use during class time should be used to facilitate learning about the subject being discussed. If this privilege is abused or others in class are distracted by your use of technology you will be asked to refrain from bringing technological devices to future classes.
- t. **Certification Exam Eligibility:** Per Iowa Code 641 – 131.4(1g) "When a student's EMS Student Registration or a candidate's EMS Certification Application is referred to the department for investigation, or when a student or candidate is otherwise under investigation by the department, the individual shall not be eligible for certification, and the practical examination results will not be confirmed with the NREMT, until the individual is approved by the department."

*Our role is to facilitate your learning. If you have questions or concerns about your grades, study skills, performance, or need clarification of lecture material, please see us during office hours or make an appointment with us.*

#### Course Schedule:

1/12	NREMT Paramedic Cognitive and Practical Review – Trauma Assessment	4 hours
1/16	NREMT Paramedic Cognitive and Practical Review – Trauma Assessment	4 hours

1/19	<b>EMS Testing Final Comprehensive Exam</b>	4 hours
1/23	<b>NREMT Paramedic Psychomotor EXAM – Trauma Assessment</b>	4 hours
1/26	NREMT Paramedic Cognitive and Practical Review – Oral Station	4 hours
1/30	NREMT Paramedic Cognitive and Practical Review – Oral Station	4 hours
2/2	NREMT Paramedic Cognitive and Practical Review – Oral Station	4 hours
2/6	NREMT Paramedic Cognitive and Practical Review – Oral Station	4 hours
2/9	<b>NREMT Paramedic Psychomotor EXAM – Oral Station</b>	4 hours
2/13	NREMT Paramedic Cognitive and Practical Review – Integrated Out of Hospital Scenario	4 hours
2/16	NREMT Paramedic Cognitive and Practical Review – Integrated Out of Hospital Scenario	3.5 hours
	PHTLS Pretest/Course Overview	0.5 hours
2/18	<b>PHTLS Psychomotor Session</b>	8 hours
2/20	NREMT Paramedic Cognitive and Practical Review – Integrated Out of Hospital Scenario	4 hours
2/23	<b>FISDAP COMPREHENSIVE EXAM – Initial Attempt</b>	4 hours
2/27	NREMT Paramedic Cognitive and Practical Review – Integrated Out of Hospital Scenario	4 hours
3/2	NREMT Paramedic Cognitive and Practical Review – Integrated Out of Hospital Scenario	4 hours
3/6	<b>NREMT Paramedic Psychomotor EXAM – Integrated Out of Hospital Scenario</b>	4 hours
3/9	<b>COMPREHENSIVE EXAM</b>	4 hours
3/13 - 3/17	<b>SPRING BREAK – NO CLASS</b>	
3/20	NREMT Paramedic Cognitive and Practical Review – Dynamic Cardiology	4 hours
3/23	NREMT Paramedic Cognitive and Practical Review – Dynamic Cardiology	4 hours
3/27	NREMT Paramedic Cognitive and Practical Review – Dynamic Cardiology	4 hours



3/30	<b>FISDAP COMPREHENSIVE EXAM – Retest Attempt</b>	4 hours
4/3	<b>NREMT Paramedic Psychomotor EXAM – Dynamic Cardiology</b>	4 hours
4/6	NREMT Paramedic Cognitive and Practical Review – Static Cardiology	4 hours
4/10	NREMT Paramedic Cognitive and Practical Review – Static Cardiology	4 hours
4/13	<b>EASTER BREAK – NO CLASS</b>	
4/17	NREMT Paramedic Cognitive and Practical Review – Static Cardiology	4 hours
4/20	NREMT Paramedic Cognitive and Practical Review – Static Cardiology	4 hours
4/24	<b>NREMT Paramedic Psychomotor EXAM – Static Cardiology</b>	4 hours
4/27	NREMT Exam Review/NSC Paramedic 5 Review	4 hours
5/1	<b>Final Exam</b>	4 hours

\* *Syllabus is subject to change.*

*Students will be notified of any changes in advance of when the changes take place.  
All reading assignments are from Paramedic Practice Today Above and Beyond Revised Reprint (2012)  
unless otherwise noted.*

**IOWA CENTRAL COMMUNITY COLLEGE  
EMS PROGRAMS**

**SYLLABUS ACCOUNTABILITY DECLARATION**

I have received a copy of the EMS – 764 (NSC Paramedic 5) syllabus at Iowa Central Community College.

I have had a chance to read it and ask questions to clarify any information I did not understand.

I take responsibility for knowing the information contained in the EMS – 764 (NSC Paramedic 5) syllabus and will seek clarification as needed during my time in the NSC Paramedic 5 class.

Student Signature: \_\_\_\_\_

Student Printed Name: \_\_\_\_\_

Date \_\_\_\_/\_\_\_\_/\_\_\_\_

**Original to student file**

This workforce solution is funded by the IHUM Consortium which is 100% financed through a \$15,000,000 grant from the U.S. Department of Labor's Employment & Training Administration. The product was created by the grantee and does not necessarily reflect the official position of the U.S. Department of Labor. The Department of Labor makes no guarantees, warranties, or assurances of any kind, express or implied, with respect to such information, including any information on linked sites and including, but not limited to, accuracy of the information or its completeness, timeliness, usefulness, adequacy, continued availability, or ownership. This work is licensed under the Creative Commons Attribution 4.0 International License. To view a copy of this license, visit <http://creativecommons.org/licenses/by/4.0/>.

