



Course Syllabus		
Course Name: NSC Paramedic 2 Course Number: EMS 761 Course Department: Health Science Course Term: Spring 2016 Revised: December 2015		
Room: AST 210	Day: Monday Day: Thursday	Time: 5 PM – 9 PM Time: 5 PM – 9 PM
Course Start Date: January 14, 2016		Course End Date: May 5, 2016
Instructors: Terry Evans, Paramedic, EMS-I Luke Winkelman, Paramedic, EMS-I	Office Location: AST 204	
E-mail Address: evans@iowacentral.edu (Terry) redawn112000@gmail.com (Luke)	Office Hours: Day: Monday Day: Thursday	Time: 4:30 PM – 5:00 PM (Terry) Time: 4:30 PM – 5:00 PM (Luke)
Phone: Terry: (515) 408-5901 Luke: (712) 790-0368	Or as scheduled by appointment	
Final Exam: Day: Monday Date: May 2, 2016 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 7th Edition; Walraven; ISBN: 978-0-13-500238-4

6. Supplemental Materials Required: AHA Advanced Cardiac Life Support Provider Manual (2010 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.

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. 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. 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 the EMS Coordinator.

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

a. Weather policy: In the event of delayed or cancelled 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. 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. Additional information can be found on the Iowa Central website. (Current Students → Student Life)

b. 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.

c. 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.

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 Populations/Accommodations:

- a. Students who feel they may need academic accommodations should contact the Academic Resource Center early in the semester. The Coordinator will verify documentation and coordinate appropriate and reasonable accommodations. Students must obtain a new accommodation notification each semester.

For information contact:
Coordinator of Special Needs
Academic Resource Center
515-574-1045

14. Course Specific Policies:

- a. **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.
- b. **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.
- c. **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.
- d. **Classroom Management and Behavior:**
 1. 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.
 2. During classroom discussion or lecture, there will be respect displayed for the person speaking.
 3. Because of our fast-paced semester, I ask that you keep your questions relevant to the topic we are covering.
 4. Pay attention in class. Sometimes if you are distracted you may miss the answer to your question.
 5. Be accountable for your actions. This will be helpful to you in your EMS studies.
 6. You may have food and drinks. If you spill anything, please clean it up immediately and dispose of your containers in the garbage.
 7. Students need to take responsibility for their own academic success. This includes reading the assigned readings, completing homework, and preparing for examinations and quizzes.

e. **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.

f. **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 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.

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 on the original exam date and will be required to take the exam under the missed examination policy as listed above.
5. **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.

6. 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**

- 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. **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.
- j. **Extra Credit Policy:** Extra credit is not awarded for this course.
- k. **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.
- l. **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.
- m. **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
- n. **Scholastic Honesty 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.
- o. **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.
- p. **Computer Considerations:** Iowa Central Community College computers have Microsoft Word installed. "Works" and other programs may not open unless you save the file as a rich text format or .rtf file. 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 a file in an .rtf format.
- q. **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.

- r. 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.”
- s. 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
1/14	Pulmonology	Chapter 21	4 hours
1/18	Airway Management and Ventilation	Chapter 14	4 hours
1/21	Basic Airway Management Lab/Skills		4 hours
1/25	Airway Management and Ventilation Intubation Practice Lab	Chapter 14	2 hours 2 hours
1/28	Chapter 21/Chapter 14 Exam Cardiology Introduction	Chapter 22 (735 – 744)	2 hours 2 hours
2/1	Cardiology – Electrophysiology/EKG monitoring	Chap. 22 (744 – 762) BA Chap 1 & 2 Lab	3 hours 1 hour
2/4	Cardiology – Rhythm interpretation (Sinus Rhythms)	Chap. 22 (762 – 770) BA Chap 3 & 4 Lab	3 hours 1 hour
2/8	Cardiology – Atrial Rhythms	Chap. 22 (770 – 784) BA Chap 5 Lab	3 hours 1 hour
2/11	Cardiology – Junctional Rhythms	Chap. 22 (784 – 787) BA Chap 6 Lab	3 hours 1 hour
2/15	Cardiology – Heart Blocks	Chap. 22 (795 – 803) BA Chap 7 Lab	3 hours 1 hour
2/18	Cardiology – Ventricular Rhythms	Chap. 22 (787 – 795) BA Chap 8 Lab	3 hours 1 hour
2/22	Cardiology – Conductive disorders/assessment	Chap.22 (803 – 807)	4 hours
2/25	Cardiology – 12 lead interpretation	Chap. 22 (807 – 827) BA - Appendix C & D Lab	3 hours 1 hour
2/29	Cardiology – Cardiac emergencies/Cardiac medications	Chapter 22 (827 – 845) Lab	3 hours 1 hour
3/3	Cardiology – Cardiac emergencies/Cardiac medications	Chapter 22 (845 – 864)	4 hours
3/7	Cardiology – Cardiac Emergencies Review of Rhythm Strips	Chapter 22 (864 – 882)	3 hours 1 hour

3/10	Cardiology – Review of ACLS Algorithms	Chapter 22 Lab	2 hours 2 hours
3/14	Spring Break Week – NO CLASS		
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3/18			
3/21	Cardiology – Rhythm and medication review	Chapter 22 Lab	2 hours 2 hours
3/24	Cardiology Review	Chapter 22	4 hours
3/28	Cardiology Exam	Chapter 22 BA – All Chapters	4 hours
3/31	Neurology	Chapter 23	4 hours
4/4	Neurology/Neurology medications	Chapter 23 Lab	3 hours 1 hour
4/7	ACLS prep/Mega Code practice/Lab Review for neurology exam	Chapter 22	3 hours 1 hour
4/9	ACLS Weekend	ACLS Provider Manual	16 hours
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4/10			
4/11	Neurology Chapter Exam Skills Review	Chapter 23	2 hours 2 hours
4/14	Skills Review	Lab	4 hours
4/18	Cardiology Review	Chapter 22 Lab	2 hours 2 hours
4/21	Assist with NSC Paramedic 5 Comprehensive Psychomotor Exam		5 hours
4/25	Skills Review	Lab	4 hours
4/28	Review for final exam	Chapters 14, 21 – 23; BA	4 hours
5/2	Final Exam		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 7th 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

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/>.

