



Course Syllabus: Cardiopulmonary Dynamics
College of Health Sciences and Human Services
RESP 4413 Section 101
Fall Semester, August 24, 2019 – December 13, 2019

Contact Information

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Course Description

Prerequisite courses include RESP 3543 and RESP 3552. Course Meetings will be Wednesdays from 8:00am to 1:00pm in Centennial Hall. The focus of this lecture course is to provide the student with a thorough understanding of cardiac electrophysiology and clinical hemodynamics. Emphasis is placed on rhythm recognition, and causes and treatments of common dysrhythmias. Other topics include advanced cardiac life support.

Course Objectives

Course objectives include: Recognize and initiate early management of pre-arrest conditions that may result in cardiac arrest or complicate resuscitation outcome, Demonstrate proficiency in providing BLS care, including prioritizing chest compressions and integrating automated external defibrillator use, Recognize and manage respiratory arrest, Recognize and manage cardiac arrest until termination of resuscitation or transfer of care, including immediate post-cardiac arrest care, Recognize and initiate early management of ACLS, Recognize and initiate early management of stroke, Demonstrate effective communication as a member or leader of a resuscitation team

Textbook & Instructional Materials

Advanced Cardiac Life Support Provider Manual, American Heart Association,
ISBN-13: 9781616694005

Student Handbook

Refer to: [Student Handbook 2018-2019](#)

Academic Misconduct Policy & Procedures

Academic Dishonesty: Cheating, collusion, and plagiarism (the act of using source material of other persons, either published or unpublished, without following the accepted techniques of crediting, or the submission for credit of work not the individual's to whom credit is given). Additional guidelines on procedures in these matters may be found in the Office of Student Conduct. Research papers and projects must be original work for each course assignment. The faculty will not accept a submission that has been or is being submitted for another course. No Exceptions!

Assignment Grading

Assignments	Percentage of Total Grade
Lecture Examinations	55%
Dysrhythmia Presentations	10%
ICE	10%
Mega-Code Competency	10%
Final Exam	15%

Grading Scale

Letter Grade	Percentage Grade
A	90-100%
B	80-89%
C	75-79%
D	60-74%
F	Less than 60%

A minimum grade of 75, or a C, is required in all respiratory courses. All assignments must be completed by 11:59pm on the due date.

Lecture Exams

Lecture Examinations may consist of multiple-choice, definitions, true/false, short answer, fill-in the blank, labeling diagrams, or essay type questions. The material for the examinations will come from the text as well as lectures and notes. You will be given 60 minutes for each exam. Exams will begin at 8:00am and class lecture will resume at 9:30am. This will allow for a small break between the exam and the beginning of lecture.

Attendance and Participation

Punctuality to class is imperative. Exams will be given during the first part of class with an allotted amount of time. If the student is late, they will be given the remaining time to finish the exam. At the end of the allotted time, all exams must be turned in, complete or not. Regular class attendance is required. No distinction is made between excused and unexcused absences unless absence has been cleared through the office of the Dean of Students, Athletic Department, or Academic Affairs. Two late arrivals equal one absence. The following policy will be enforced: Greater than 5 absences will result in instructor initiated drop from the class. Prior absence approval may be granted after review by the professor. If you have a documented disability that will impact your work in this class, please contact me to discuss your needs. In order for you to receive the greatest knowledge and information from this course, the classroom exercises and activities will require your participation. Your participation will be assessed during each class meeting.

Dysrhythmia Group Project

Groups will be selected and each group will randomly select a rhythm strip. Your group will then research that specific rhythm and include the following items within your presentation: Graphic of actual strip, Causes of that rhythm, Symptoms associated, Treatment of, Potential Side Effects of, and Prognosis and Recovery of those with that rhythm. You will then present your research and information to the class in an instructional manner on September 25th during class. A summary of the information and research you gathered along with a reference list with at least 3 references you utilized must be turned in to me prior to presenting. Use in-text citations as well. Please use APA formatting for citations and reference list. A great APA resource can be found on the [Purdue OWL website](#). A rubric for the grading of this presentation will be utilized and is provided in D2L. Be creative and have fun with this. I have seen projects using LED lights, graphic t-shirts, dances, food, sharks, etc.

ICE

ICE is the Interdisciplinary Communication Event and will be used to help you prepare for the Mega-Code Competency. This will account for 10% of your final grade for this course. You will be required to participate in the event on Friday, November 22nd from 7:45am – 1:00pm. If for any reason you are not able to attend the event, you will be required to write a 20 page paper covering the importance of interdisciplinary education within the health sciences and will be graded as the 10% of the final grade in place of the ICE.

Mega-Code Competency

The Mega-Code Competency will be a full clinical check-off for your ACLS Certification. Sim Man will be utilized for these check-offs. Groups will be formed

in the beginning of the semester and these groups will be utilized throughout the semester for your mock codes. The check-offs are scheduled for December 4th and each group will be assigned a time for their check-off. You will be graded on both individual skills competency and teamwork abilities. If you do not meet the necessary skills to pass the ACLS check-off during the competency, you will have the opportunity to repeat the check-off one more time ONLY, with an automatic 15 point reduction! If you do not meet the necessary skills to pass the ACLS check-off during your second attempt, you will receive a "0" for your Mega-Code Competency grade and you will not be eligible to receive your ACLS certification. A grading rubric for this competency can be found in D2L.

Final Exam

The Final comprehensive exam may consist of multiple-choice, definitions, true/false, short answer, fill-in the blank, labeling diagrams, or essay type questions. The material for the examinations will come from the text as well as lectures and notes. Final Exam is scheduled for December 11th at 9:00am and you will have 90 minutes to complete this exam.

Missed Exam and Assignment Policy

If a student is going to miss an examination or assignment, it is the student's responsibility to contact the instructor prior to the exam or assignment deadline. A 10% reduction will be taken for each day (weekends and holidays included) after the scheduled exam or assignment due date. The professor reserves the right to make unscheduled or delayed exams essay in nature and considerably more challenging.

Important Dates

Deadline to file for May Graduation: October 7, 2019

Last Day to drop with a grade of "W:" October 28, 2019.

Refer to: [Drops, Withdrawals & Void](#)

Desire-to-Learn (D2L)

Extensive use of the MSU D2L program is a part of this course. Each student is expected to be familiar with this program as it provides a primary source of communication regarding assignments, examination materials, and general course information. You can log into [D2L](#) through the MSU Homepage. If you

experience difficulties, please contact the technicians listed for the program or contact your instructor.

Change of Schedule

A student dropping a course (but not withdrawing from the University) within the first 12 class days of a regular semester or the first four class days of a summer semester is eligible for a 100% refund of applicable tuition and fees. Dates are published in the Schedule of Classes each semester.

Refund and Repayment Policy

A student who withdraws or is administratively withdrawn from Midwestern State University (MSU) may be eligible to receive a refund for all or a portion of the tuition, fees and room/board charges that were paid to MSU for the semester. HOWEVER, if the student received financial aid (federal/state/institutional grants, loans and/or scholarships), all or a portion of the refund may be returned to the financial aid programs. As described below, two formulas (federal and state) exists in determining the amount of the refund. (Examples of each refund calculation will be made available upon request).

Services for Students With Disabilities

In accordance with Section 504 of the Federal Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990, Midwestern State University endeavors to make reasonable accommodations to ensure equal opportunity for qualified persons with disabilities to participate in all educational, social, and recreational programs and activities. After notification of acceptance, students requiring accommodations should make application for such assistance through Disability Support Services, located in the Clark Student Center, Room 168, (940) 397-4140. Current documentation of a disability will be required in order to provide appropriate services, and each request will be individually reviewed. For more details, please go to <http://www.mwsu.edu/student-life/disability>.

College Policies

Campus Carry Rules/Policies

Refer to: [Campus Carry Rules and Policies](#)

Smoking/Tobacco Policy

College policy strictly prohibits the use of tobacco products in any building owned or operated by WATC. Adult students may smoke only in the outside designated-smoking areas at each location.

Alcohol and Drug Policy

To comply with the Drug Free Schools and Communities Act of 1989 and subsequent amendments, students and employees of Midwestern State are informed that strictly enforced policies are in place which prohibits the unlawful possession, use or distribution of any illicit drugs, including alcohol, on university property or as part of any university-sponsored activity. Students and employees are also subject to all applicable legal sanctions under local, state and federal law for any offenses involving illicit drugs on University property or at University-sponsored activities.

Grade Appeal Process

Students who wish to appeal a grade should consult the Midwestern State University [Undergraduate Catalog](#)

Course Schedule:

On the next page, you will find the course schedule. I suggest printing a copy of the course schedule to help you stay organized and meet all deadlines. Please note that changes in the course syllabus, assignments, and schedule may be made at the discretion of the professor.

Course Schedule

Date	Lecture	Exams/Assignments
Aug 28	Review Syllabus ACLS Video The Systematic Approach, Team Dynamics, Systems of Care	N/A
Sept 18	Pharmacology Assign Group Projects	Exam 1: The Systematic Approach, Team Dynamics, and Systems of Care
Sept 25	Dysrhythmias & Strips	Exam 2: Pharmacology Rhythm Strip Presentations
Oct 16	ACLS Case 1 – Respiratory Arrest ACLS Case 2 – VFIB with CPR & AED ACLS Case 3 – VFIB/Pulseless VTach	Exam 3: Dysrhythmias and Strips (Mid-Term Reviews)
Oct 23	ACLS Case 4 - PEA ACLS Case 5 – Asystole ACLS Case 6 – Acute Coronary Syndrome	Exam 4: ACLS Case 1-3 (Student Gathering)
Nov 13	ACLS Case 7 – Bradycardia ACLS Case 8 – Unstable Tachycardia ACLS Case 9 – Stable Tachycardia ACLS Case 10 – Acute Stroke	Exam 5: ACLS Cases 4-6
Nov 20	Mega Code Practice and Final Exam Review	Exam 6: ACLS Cases 7-10
Nov 22	N/A	Interdisciplinary Adult Mega Code 7:45am-1:00pm
Dec 4	N/A	Mega Code Competency
Dec 11	N/A	Final Exam 9:00am