

California State University, Sacramento
COLLEGE OF CONTINUING EDUCATION
NURS 51 Paramedic Advanced Life Support Part 1
Syllabus

Part 1: Course Information

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Course Description

NURS 51: Part 1 of core theoretical courses providing foundational knowledge required for pre-hospital care in the Emergency Medical System (EMS). This is the

first course in a four part series in which participants learn the theoretical knowledge and skills of Advanced Life Support practices in relationship to Paramedicine.

Prerequisite: Admission to Paramedic Program.

Co-requisite: NURS 53

Graded: Graded.

Units: 5 units

Required Texts (Included in tuition payment)

AAOS Emergency Care in the Streets 7th Edition Volume 1

AAOS Emergency Care in the Streets 7th Edition Volume 2

AAOS Sick/Not Sick: A Guide to Rapid Patient Assessment (recommended, but not required or provided).

Dubin, D. (2000). Rapid Interpretation of EKG's 6th Edition (recommended, but not required or provided)

Campbell, J. (2012) International Trauma Life Support 7th Ed (ITLS)

The National Association of Emergency Medical Technicians, Advanced Medical Life Support (AMLS)

American Heart Association, Advanced Cardiac Life Support (ACLS)

American Heart Association, Pediatric Advanced Cardiac Life Support (PALS)

American Heart Association, Basic Life Support (BLS)

Recommended Texts & Other Readings

As assigned on Navigate course site

Course Requirements

- Internet connection, including access to Moodle and Navigate e-mail
- Microsoft Word and Adobe Acrobat Reader
- Individual transportation
- Paramedic uniform and required equipment
- Up to date health clearances, including Certified Profile
- Mobile device (PDA, smartphone, iPod, etc.) loaded with healthcare reference materials is highly recommended for this course.
- Attend class a minimum of **90%** of the time.
- Complete ALL of required assignments.
- Attain course average of **80%** or higher on graded course assignments.
- Exhibit conduct in all course related settings that is consistent with the EMT Code of Ethics.

Course Structure

This course will be delivered in a blended learning online environment through the Navigate/Moodle course management system. It will employ a variety of modalities to facilitate student learning including required readings, case study-based lectures, online skills videos and learning modules, online quizzes, skills labs, and human patient simulation. Major topics covered by a lead instructor during classroom time include: legal ethical, communication issues in paramedic practice; anatomy, physiology and physical assessment; pharmacology and medication administration; pre-hospital management of disorders/emergencies across the life-span related to respiratory and cardiac systems. The course is taught concurrently with Paramedic course NURS 53.

Part 2: Course Objectives

Course Objectives

Students must meet all course objectives in order to pass the course. The student is expected to:

1. Explain the anatomy and physiology of major disease processes related to the Respiratory and Cardiovascular systems.
2. Identify abnormal physical assessment findings and appropriate priority interventions for the Respiratory and Cardiovascular system disease processes.
3. Integrate ALS theories to perform EMT-P skills related to pre-hospital care standards for medical disorders/emergencies across the adult life span.
4. Describe and practice leadership skills to promote scene and crew safety.
5. Exhibit competency in accessing, using, and evaluating patient monitoring care technologies.
6. Demonstrate basic knowledge of concepts related to patient safety and quality healthcare.

Assignments/Examinations

Required assignments/examinations for NURS 51 are:

Medication Quiz

These are timed computer quizzes on various drugs from the National Registry Standards. Information on these drugs is available in the course text books. Questions will reflect general knowledge of drug action and side effects in a fill in the blank or multiple choice format. Students may prepare for this quiz by completing a written summary of the medications on a drug sheet provided by the instructor.

EKG Assignment:

The student is required to obtain 3 EKG strips (source may be internet or patient care experience with HIPPA information removed). The student is required to analyze the EKG strips for interpretation and research anticipated treatment options and care protocols.

EKG Quiz:

This is a 25 item 100 point timed computer quiz that will include rhythm recognition (1 point) and treatment options (1 point).

Module Exams

There will be three computer based timed exams for this course that reflect the content for each module. Exam questions will include multiple choice, short answer fill in, and essay. Module 1 and 2 cover the corresponding material and are worth 400 and 600 points. Module 3 covers the corresponding material as well as material from Module tests 1 & 2, and is worth 700 points.

Module Quizzes:

There are online quizzes for each module that provide the student with an opportunity to practice the type of questions that will be on the exams. Students are encouraged to work in study groups and may take quizzes together or individually. These are not graded quizzes and the goal of the assignment is to encourage students to review course content

Scheduled Ride-A-Long

At some point from the start of the program and prior to the Module 3 exam, each student shall schedule and complete a 8-12 hour Ride-A-Long with a patient transporting provider. Upon completion of the shift, the appropriate form will be completed by the provider and returned by the student to the lead instructor. This assignment is to prepare the student and expose them to ambulance operations. If any questions arise as to the appropriate provider, the provider should be cleared as appropriate by the lead instructor. Students will wear classroom uniform during the ride-a-long. This assignment must be scheduled and completed with the students own time

and effort, failure to do so will result in an incomplete for NURS 51/53 and expulsion from the program.

Part 3: Topic Outline/Schedule

Important Note: This syllabus, along with course assignments and due dates, is subject to change. It is the student's responsibility to check JB Learning for updates to the syllabus and Course Outline. Any changes will be clearly noted during the first class session/orientation. See Addendum A for Topical Course Outline and Schedule

Part 4: Grading Policy

Total points possible in this course are 2100. A minimum of 1680 course points (**80%**) which equals a C grade is required to pass NURS 51 and progress in the program.

Item	Possible Points	% of Total Grade
Drug Quiz (5 @ 50 points each)	250	12%
EKG Quiz	100	5%
EKG Assignment	50	3%
Module Test One (A&P, Pharmacology, Pathophysiology)	400	20%
Module Test Two (EMS System, Patient Assessment, Airway Management)	600	26%
Module Test three (Cardiology, EKG Rhythm Recognition, Mod1&2 info)	700	34%
TOTAL	2100	100%

Letter Grade Assignment (based on percentage, rounded to tenth place):

Letter Grade	Course Percentage
A	93-100%
B	87-92.9%
C	80-86.9%
D	73-79.9%
F	72.9 and below

Grades will be posted on an on-going basis in the online Grade book. Students can access these via the Grades tool in the JB Learning course.

Students are responsible for tracking and checking their own scores, and for computing the grade percentage. Any inconsistency should be reported promptly to the instructors.

Course Failure: A course failure (letter grade D or F) will result if the student does not meet course objectives, and/or maintain a minimum course average of **80%**, and/or have a minimum course attendance of **90%**. Course grade of D or F prevents the student from progressing in the Paramedic program. A student who does not receive a passing grade has the right to appeal. See the Pre-Hospital Education Student Handbook for grading policies and appeals.

Part 5: Course Policies

Class Attendance

Attendance is critical due to the accelerated pace and rigor of the course. Attendance is taken daily and students are required to be present a minimum of **90%** of class time. Absences greater than 56 hours during the entire program total will result in course failure. If a student must be absent due to illness or family emergency contact the faculty by email to notify him/her of the absence. Students are required to attend class on all Cadaver Lab, EVOG training days in order to receive certification and credit for participation.

Late Policy

Class will begin promptly at 0800. Being tardy is disruptive and disrespectful to fellow students and staff. Students who are tardy a total of three (3) class sessions will receive a 5% reduction on the Module test grade that follows the third late session. Following that, another three (3) late occurrences will earn the same Module grade reduction on the next test.

Missed Exams

Students must take the exams at the scheduled times unless there is an emergency or other extenuating situation. Should such an event occur, the student must contact the Lead Faculty prior to the scheduled test time to be excused and make arrangements for make-up. Failure to comply with the above policies regarding tests and the arrangements that have been approved by the Faculty will result in 5 points being taken off the test score each day until the test is made up.

Extra Credit

There is no extra credit in this course.

Late Work

Late work will not be accepted unless prior arrangements have been made with the faculty regarding the assignment. Assignments submitted late will receive zero points.

Course Completion

Please note that successful completion of the didactic portion of this program relies on

passing ALL sections which are NURS 51, NURS 52, NURS 53 and NURS 54. Maintaining an **80%** grade, attendance, participation and completion of all adjunct classes and certifications will ensure successful completion of the didactic portion and continuing on with this program.

Asking for Assistance

If you are having any trouble keeping up with assignments or other aspects of the course, be proactive in communicating with course Faculty as soon as possible. Faculty would like you to succeed in the course and can best assist you in problem solving to find a solution to meeting course requirements if you can communicate early and frequently. Faculty contact numbers and email addresses are provided in the course syllabus.

University Policies

Academic Honesty

Academic honesty is ensured when a student completes academic work on his/her own merit. This concept is violated when a student gains an unfair advantage over other students such as is the case when copying others' assignments, attempting to gain knowledge of exam items or related content, or plagiarizing published works. If any part of your written or verbal work is suspected of academic dishonesty (whether you benefited from or provided an unfair advantage), the Pre-Hospital Education Program Student Handbook requires notification of the University's Student Affairs office. Once academic dishonesty is determined to have taken place, the assignment will not be accepted, will receive a score of zero, and the student(s) will be subject to disciplinary action including, but not limited to, course failure or program dismissal. It is your responsibility to review the university policy and student handbook regarding academic honesty and plagiarism, to understand their definitions, and to consult with faculty if you need assistance. See also the Sacramento State Policy Manual (<http://www.csus.edu/umannual/AcademicHonestyPolicyandProcedures.htm>).

Student Conduct

Participation in program obligates students to demonstrate professional behavior at all times, adhering to the Student EMT Code of Ethics found in the Student Handbook (see also the statements in the Pre-Hospital Education Program Philosophy). Additionally, students are expected to follow the University Student Code of Conduct (<http://www.csus.edu/umannual/student/UMS16150.HTM>) and to adhere to all policies found within the Sacramento State Pre-Hospital Education Program Student Handbook.

Violation of any of these principles, whether during class times or course-related activities, may result in one or more of the following: letter of reprimand placed in the student file; notice of jeopardy of failing a course; failure of a course; referral to

University Student Affairs; and/or dismissal from the paramedic program and/or University.

Reasonable Accommodation

Students with disabilities who request service(s) must provide the CCE Human Resources Specialist (HRS) with appropriate documentation of disability. This documentation along with the Application for Student Support Services must be submitted to CCE at least 2 weeks before the first day of class/needed services. Contact the CCE Human Resources Specialist (HRS) at caddm@cce.csus.edu to obtain forms. Submit forms via Fax: **916.278.3680** or Email: caddm@cce.csus.edu

Special Note

Course policies are subject to change. It is the student's responsibility to check Navigate for corrections or updates to the syllabus. Any changes will be posted in Navigate.