

Spring 2008

CSUN - NORTHRIDGE/ DEPARTMENT OF KINESIOLOGY
KIN 560

CLINICAL EKG INTERPRETATION AND PRINCIPLES OF EXERCISE STRESS TESTING

COURSE DESCRIPTION: A course in electrocardiography that includes detailed evaluation of basic EKG dysrhythmias and exercise testing.

PREREQUISITE: KIN 446 and 446L

INSTRUCTOR: Colleen A. Wilber, M.A., R.N.-C - Lead R.N.
Methodist Hospital of Southern California - Cardiac Rehabilitation Department
work phone - (626) 574-3422, M-F , 6:30am-3:00pm
office hours: 6:30 – 7:00 pm , Tuesday, in scheduled classroom
contact kinesiology office at 818-677-3205 to leave a message in my mail box
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COURSE OBJECTIVES:

1. The student will have an understanding of basic EKG, dysrhythmias, 12 lead EKG interpretation and clinical significance.
2. The student will have an understanding of the basic principles of exercise testing and the EKG abnormalities in healthy and diseased populations.

TEXT: Goldberger, A.L., Clinical Electrocardiography, 7th ed., Mosby, 2006
ACSM's Guidelines for Exercise testing and Prescription, 7th ed.

GRADING: 8 quizzes (10 pts each)	80 pts
midterm exam	100 pts
final exam	120 pts
TOTAL	300 pts

100 - 95%	(A)	300-285 pts
94 - 90%	(A-)	284-270
89 - 85%	(B+)	269-255
84 - 80%	(B)	254-240
79 - 75%	(B-)	239 - 225
74 - 70%	(C)	224-210

NOTE: If you are absent from class, quiz may be taken the following week during scheduled quiz time.
It is the students' responsibility to get missed quiz from instructor. The student is also responsible for the information from class during absence.

SCHEDULE OF CLASSES - KIN 560

SPRING 2008

JAN 22	course intro/overview review cardiac A&P, conduction system, normal wave forms, EKG paper, heart rate determination (chpt 1 rev A & P, 2)
JAN 29	sinus rhythms - normal, bradycardia, tachycardia, arrhythmia, arrest/block (Chpt 13)
FEB 5	QUIZ # 1 supraventricular dysrhythmias - PAC'S, atrial flutter, atrial fibrillation, PSVT (CHPT 14, 15)
FEB 12	QUIZ # 2 ventricular dysrhythmias - PVC'S(unifocal/multifocal, bi/trigemity, couplets), ventricular tachycardia, ventricular fibrillation, R on T phenomena, AICD (chpt 16, 19, 20)
FEB 19	QUIZ # 3 atrioventricular blocks - 1st, 2nd, 3rd degree blocks, pacemakers (chpt 17, 21)
FEB 26	QUIZ # 4 practice/review session for midterm
MAR 4	MIDTERM
MAR 11	review midterm introduction to 12 lead EKG and axis determination (chpt 3,4,5)
MAR 18	SPRING BREAK!!
MAR 25	QUIZ # 5 hypertrophies - atrial and ventricular (chpt 6)
APRIL 1	QUIZ # 6 bundle branch blocks, IVCD , pacemakers (chpt 7, 20)
APRIL 8	QUIZ # 7 myocardial ischemia and infarction, site/location, old vs. new (chpt 8, 9, 20, 22, 23, 24)
APRIL 15	QUIZ # 8 myocardial infarctions and ST changes
APRIL 22	introduction to stress testing (ACSM chpt 1, 2, 3, 4 (pg 55-57) ,5 , 6, APPDX B,C)
APRIL 29	stress testing protocols continued
MAY 6	stress testing cont. review for final exam
MAY 13	FINAL EXAMINATION