

FOURTH YEAR ELECTIVE TITLE EKG-CARDIOLOGY		COURSE NUMBER MED 9032	LOCATION Robert Wood Johnson University Hospital
ELECTIVE DIRECTOR JAMES COROMILAS, MD	ELECTIVE FACULTY JAMES COROMILAS, MD JOHN KASSOTIS, MD, EngD WILLIAM KOSTIS, PhD,MD TED MAGLIONE, MD	ELECTIVE CONTACT Purvi Patel, Secretary Cardiovascular Disease & Hypertension 125 Paterson Street / MEB Suite 578 New Brunswick, NJ, 08901	CONTACT PHONE/FAX/EMAIL PH. 732-235-7855 OR 8960 FAX: 732-235-8722 pp775@rwjms.rutgers.edu coromija@rwjms.rutgers.edu
BLOCKS AVAILABLE* ALL (EXCEPT BLOCKS #1 & #7)	DURATION/WEEKS MIN 4; MAX 4	HOURS PER WEEK 10	STUDENTS MIN 2 MAX 4
LECTURES/SEMINARS YES	OUTPATIENT NO	INPATIENT NO	HOUSESTAFF YES
NIGHT CALL NO	WEEKENDS NO	LAB YES	EXAM REQUIRED NO

OVERALL EDUCATIONAL GOAL OF ELECTIVE

Learn to read an EKG

OBJECTIVES

- ✓ Reading of Dale Dubin's Rapid Interpretation of EKGs, 6th Edition
 - ✓ Achieve basic proficiency in the interpretation of ischemia, bradyarrhythmias, atrial and ventricular tachyarrhythmias, blocks, pacemaker-related tracings, as well as normal EKGs
 - ✓ Achieve some knowledge of the basic physiology of the cardiac action potential and how it relates to EKG interpretation
- I. Patient care
Learn how EKG interpretation can directly alter patient management
 - II. Medical knowledge
Achieve some mastery over basic principles of the cardiac action potential, arrhythmogenesis, atrial arrhythmias, AV nodal blocks and other phenomenon, infrahisian blocks and other phenomenon, ventricular arrhythmias, interpretation of ischemia, and other EKG phenomenon.
 - III. Practice-based learning and improvement
Learn how EKG reading can both be simplified but at the same time requires year of self-directed improvement and discipline to do well.
 - IV. Interpersonal and communication skills
 - V. Professionalism
Learn what constitutes an urgent problem that requires personal direct follow-up.
 - VI. Systems-based Practice
Learn the appropriate indications for EKGs and when additional testing is indicated.

OVER

BRIEF DESCRIPTION OF ACTIVITIES

Reading assignments, completion of basic (example) EKG reading, completion of inpatient EKG reading, review of reading with cardiologist, attendance at EKG conference with cardiology fellows. Attendance at CCU rounds when course faculty are on service, where patients EKGs are discussed in a real-world format, is encouraged.

METHOD OF STUDENT EVALUATION

Daily review by Cardiologist

ARE THERE ANY PREREQUISITES FOR THIS ELECTIVE? No

IS THIS ELECTIVE AVAILABLE TO THIRD YEAR MEDICAL STUDENTS AS WELL? Yes