

Advanced Cardiac Rehabilitation

Kinesiology 445

Section: D100

Term: 2007 Spring

Instructor: Scott Lear, PhD

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Please note this course will be held at SFU Harbour Centre Campus

Discussion Topics: 2 hour lecture followed by 1 hour seminar once per week plus a 30-hour practicum (held at Harbour Centre Campus).

Course Description:

This is a practical course in which students will apply the knowledge and skills learned in KIN 444. This course will provide students with experience and understanding in the practical aspects of assessing cardiac performance and techniques of cardiac rehabilitation. It will also introduce students to relevant research questions in cardiac rehabilitation and how this field will expand and evolve. Students will be required to complete a 30-hour practicum at a local hospital-based cardiac rehabilitation program. In conjunction with Kin 444, students will be better prepared to participate in community or hospital-based cardiac rehabilitation programs. This course will help students who wish to obtain certification through the American College of Sports Medicine as an Exercise Specialist .

Learning Objectives:

1. Conduct initial patient assessment.
2. Interpret ECG tracings and exercise stress test.
3. Prescribe and monitor exercise prescription.
4. Understand the multi-disciplinary nature of cardiac rehabilitation.
5. Current research areas in cardiac rehabilitation and prevention.

Grading: Class participation - 10%

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Assignment - 10%

Practicum (30 hours) - 20%

Research presentation - 20%

Case study paper - 15%

Exam (3 hours, closed book) - 25%

Required Texts: Dubin, D.B. (2001). Rapid Interpretation of EKG's (6th ed.). Winnipeg: Login Brothers Canada.

Recommended Texts:

Materials/Supplies:

Prerequisite/Corequisite: Prerequisites: Kin 444

Notes: Lectures will commence on January 8, 2006 at 13:30 to 16:20.

Failure to attend an examination

Students who miss examinations due to exceptional circumstances (such as serious illness or compassionate reasons) are required to obtain a physician's certificate, whereby the physician states that you were unable to write your midterm or final on the set date due to a medical condition beyond your control, or other supporting documents in order to obtain consideration in the course. Such documents must be filed with the School Director (via the Kinesiology office) or Registrar within four calendar days of the date on which the examination was to have been written. Exceptional circumstances must be approved by the Undergraduate Program Committee in order for a student to receive consideration.

Students must check the exam schedule when making course selections. Students are reminded that final examinations may be scheduled at any time during the examination period and that students should avoid making travel or employment arrangements for this period.

Academic honesty and student conduct

Academic honesty is a condition of continued membership in the University community.

Academic dishonesty, including plagiarism or any other form of cheating is subject to serious academic penalty, i.e. failure on an assignment, failure in a course, suspension or expulsion from the University.

The University codes of student conduct and academic honesty are contained in policies T10.01 and T10.02 which are available in the Course Timetable and on the Web via

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<http://www.reg.sfu.ca>.

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