



Application for BSc (Med) Hons Biokinetics 2012

BSc (Med) (Hons) in Exercise Science (Biokinetics) (HUB4043W)

MRC/UCT Exercise Science and Sports Medicine Research Unit (ESSM)
Department of Human Biology
Faculty of Health Sciences
University of Cape Town

Overview:

The programme consists of lectures, practicals, thematic seminars and tutorials arranged into several different modules. The content covered includes: muscle physiology and biochemistry; anatomy and biomechanics; physiological aspects of human performance; intermediary metabolism and endocrinology; respiratory and cardiovascular systems; neurophysiology; orthopedic injuries and conditions; chronic diseases and disabilities; health promotion and research methodology. The clinical portion of the Biokinetics modules will also include rotations in the various programmes run from the Sports Science Institute of South Africa. In addition, each student is required to complete a research project.

FREQUENTLY ASKED QUESTIONS:

1. When do applications open and close?

Applications open in April / May 2011 and the closing date is the 31 August 2011.

2. Who do I contact for an application form?

Contact Ms Salega Tape at the UCT Postgraduate office. Her email address is: salega.tape@uct.ac.za and her telephone number is 021 021 406 6340

3. Who should I contact if I have any other queries related to the course work?

Please contact the course coordinator, Dr Tracy Kolbe-Alexander. Her email address is: tracy.kolbe-alexander@uct.ac.za and her telephone number is 021 6505126.

4. What are the admission requirements?

- a. An appropriate undergraduate degree (e.g. BSc / BComm/BA) specializing in Human Movement Science or Sports Science. Other prerequisites include:
- b. An above average academic record
- c. Evidence of interest in and / or experience of the scientific aspects of sports medicine and exercise rehabilitation

5. How are students assessed?

The final assessment includes two written theory papers, an oral examination. Ongoing assessment during the year includes, class test/s and assignments during and at the completion of each module and assessment of the research module.

Students are also expected to complete practical competency examinations at two different times during the year, in addition to the final Biokinetics examination.

6. Which modules are included in the course?

The course consists of the following modules:-

- a. Basic Core Module
- b. Health promotion and low risk patients
- c. Physiology, pathology and rehabilitation in chronic disease
- d. Neuromuscular and Skeletal Systems (NEMS) Module
- e. Orthopaedic rehabilitation
- f. Research Methods and Biostatistics (RESE)

7. Is there any additional course work?

Following these core modules in August, there are a series of journal clubs, 'ward rounds' and special studies modules. The aim of this component of the course is to integrate the theory and practical teaching obtained in the clinical and research setting. The journal clubs and ward rounds will take place weekly.

8. Can you tell me more about ESSM?

More information on ESSM can be found on their website at; <http://www.essm.uct.ac.za/>