A POLYTECHNIC INSTITUTION

Course Outline

School of Health Sciences
Program: Medical Radiology
Option:

MRAD 1104
Radiographic Anatomy and Physiology

Start Date: January, 2006 **End Date:** April 30, 2006

Total Hours: 39 **Total Weeks:** 14 **Term/Level:** 1 **Course Credits:** 3
Hours/Week: 3 **Lecture:** 1 **Lab:** 2 **Shop:** **Seminar:** **Other:**

Prerequisites
Course No. Course Name
Biology

MRAD 1104 is a Prerequisite for:
Course No. Course Name
Level 2

Course Description

During Level 1 of this course the lecture and laboratory material will cover the entire skeleton (exception of the skull) and the basic structures of the chest and abdomen. Emphasis both in lecture and lab will be placed on application to radiography, nomenclature, surface anatomy, specific bony structures, articulations, and radiographic appearance of structures.

Detailed Course Description

The goal of this course is to provide the student with an in-depth understanding of the skeleton and basic structures of the abdomen and thorax. Emphasis is placed on radiography, nomenclature, surface anatomy, specific bony structures, articulations, and radiographic appearance structures.

Evaluation

Weekly Quizzes	20%
Midterm Exam	40%
Final Exam	40%
TOTAL	100%

Comments: The pass mark for this course is 65%.

Each of the following statements is identified with the relevant Critical Task (CT) for Competency according to the C.A.M.R.T. publication, January 1997.

Course Learning Outcomes/Competencies

Upon successful completion of this course, the student will be able to:

		Critical Task
1.	describe the structure, function, and relative positions of all the bones (except the skull) which comprise the human skeleton.	CT A4
2.	describe the structure, function, and relative positions of all the contents of the chest and abdominal cavities.	CT A7
3.	locate all bony and non-bony structures using surface anatomy.	CT A4
4.	evaluate radiographs for variations in organ locations based on *body type* and *position.*	CT A7
5.	identify on radiographs all parts of the bony skeleton (except the skull).	CT A7
6.	identify on radiographs selected structures within the abdomen and thorax.	CT A7

Verification

I verify that the content of this course outline is current.

M. Filippelli — Authoring Instructor | Dec 20/05 — Date

I verify that this course outline has been reviewed.

M. Filippelli — Program Head/Chief Instructor | Dec 20/05 — Date

I verify that this course outline complies with BCIT policy.

[signature] — Dean/Associate Dean | Dec. 22/05 — Date

Note: Should changes be required to the content of this course outline, students will be given reasonable notice.

Instructor(s)

Mary Filippelli | Office Location: SW3–4080 | Office Phone: 6918
Office Hrs.: | E-mail Address: Mary_Filippelli@bcit.ca

Learning Resources

Required:

1. *Radiographic Skeletal Anatomy*, Bryan.
2. *Radiographic Anatomy and Physiology*, lecture notes.

Recommended:

(as listed for C.A.M.R.T. exam validation)

Pocket Atlas of Radiographic Anatomy, Moeller & Reif.

Information for Students

The following statements are in accordance with the BCIT Student Regulations Policy 5002. To review the full policy, please refer to: http://www.bcit.ca/~presoff/5002.pdf.

Assignments: Late assignments, lab reports, or projects will **not** be accepted for marking. Assignments must be done on an individual basis unless otherwise specified by the instructor.

Makeup Tests, Exams, or Quizzes: There will be **no** makeup tests, exams, or quizzes. If you miss a test, exam, or quiz, you will receive zero marks. Exceptions may be made for **documented** medical reasons or extenuating circumstances. In such a case, it is the responsibility of the student to inform the instructor **immediately**.

Attendance/Illness: In case of illness or other unavoidable cause of absence, the student must communicate as soon as possible with his/her instructor or Program Head or Chief Instructor, indicating the reason for the absence. Prolonged illness of three or more consecutive days must have a BCIT medical certificate sent to the department. Excessive absence may result in failure or immediate withdrawal from the course or program.

Academic Misconduct: Violations of academic integrity, including dishonesty in assignments, examinations, or other academic performances are prohibited and will be handled in accordance with the 'Violations of Standards of Conduct' section of Policy 5002.

Course Outline Changes: The material or schedule specified in this course outline may be changed by the instructor. If changes are required, they will be announced in class.

Schedule

Week Number	Lecture	Laboratory
1	Finger/thumb/hand/wrist	Finger/thumb/hand/wrist
2	Forearm/elbow/humerus	Forearm/elbow/humerus
3	Clavicle/scapula/shoulder	Clavicle/scapula/shoulder
4	Foot/ankle	Foot/ankle
5	Tibia/fibula/knee	Tibia/fibula/knee
6	**MIDTERM**	**MIDTERM**
7	Hip/femur/pelvis/SI joints	Tibia/fibula/knee
8	Introduction to bodily habitus	Introduction to bodily habitus
9	Chest	Chest
10	Abdomen	Abdomen
11	**SPRING BREAK**	**SPRING BREAK**
12	Cervical and thoracic spine	Cervical and thoracic spine
13	Lumbar/sacrum/coccyx	Lumbar/sacrum/coccyx
14	Ribs/sternum/trachea/pharynx/larynx	Ribs/sternum/trachea/pharynx/larynx
15	**FINAL EXAM WEEK**	**FINAL EXAM WEEK**