

BRITISH COLUMBIA INSTITUTE OF TECHNOLOGY

COURSE OUTLINE

COURSE NAME RADIOGRAPHIC POSITIONING

COURSE NUMBER MRAD 3301

DATE January 1995

Prepared by Dori Kaplan

Taught to Level 3 Year

School Health Sciences

School Health Sciences

Program Medical Radiography

Program Medical Radiography

Date Prepared December 1994

Option _____

Term 3 Hrs/Wk 5 Credits 4

No. of Weeks 7 Total Hours 35

Instructor(s) Dori Kaplan Office SW1-4084 Local 5750

Office Hours Monday, Tuesday & Thursday Home 980-8173

PREREQUISITES MRAD 3304

COURSE OBJECTIVES

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

1. list and locate the surface landmarks localizing lines and planes of the skull.
2. describe the routine and specialized projections for the various aspects of the skull and be able to differentiate between them.
3. describe and discuss beam direction and centering points for the various views/projections of the skull.
4. demonstrate the ability to correctly position the patient for the required projection/views of the skull.
5. plan and produce a videotape that demonstrates the ability to correctly and efficiently position a patient for skull views utilizing good patient care techniques.
6. evaluate and critique skull positioning, patient care and communication skills on videotapes to assess preparedness for the clinical area.

EVALUATION

Final Examination	<u>40</u>	%	All labs must be satisfactorily
Midterm	<u>40</u>	%	completed before a course mark
Lab	<u>10</u>	%	will be given. 60% is considered as a pass.
Video	<u>10</u>	%	

REQUIRED TEXT(S) AND EQUIPMENT

1. "Merrill's Atlas of Radiographic Positions and Radiologic Procedures" — 7th Edition — Volume 2.
 2. Medical Radiography Positioning/Laboratory Manual — Level 3.
 3. "Curriculum Guide — Medical Radiographic Technology" published by the Canadian Association of Medical Radiation Technologists.
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REFERENCE TEXTS AND RECOMMENDED EQUIPMENT

1. "Textbook of Radiographic Positioning and Anatomy" — Bontrager and Anthony.
 2. "Radiography of the Skull and Brain" — DuPont.
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COURSE GOALS

- To provide the student with a sound knowledge of positioning techniques for the skull.
 - To provide an environment where the student can demonstrate their positioning skills relating to the skull.
 - To give the students an understanding of the relationship between skull anatomy, beam direction and radiographic anatomy visualized.
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COURSE SUMMARY

The lecture instruction of this course will cover the positioning of the skull that will radiographically demonstrate the skull. Practical use of landmarks will be taught in order to position the skull correctly and accurately. The lab sessions will reinforce classroom theory and students will be required to demonstrate competence of skull positioning during a lab evaluation.

MRAD 3301
POSITIONING LECTURES

DATE SETS A/C	TOPIC	PAGE	DATE SETS B/D
Jan. 19 (Thurs)	Introduction & Basic Skull <ul style="list-style-type: none"> • AP 15° ↑ • AP 30° ↓ • Lateral 		Thurs, Feb. 2
Feb. 7 (Tues-am)	Basic Skull <ul style="list-style-type: none"> • PA 15° ↓ • PA 25° ↑ • Basal 		Tues am, Feb. 21
Feb. 9	Sinuses		Feb. 23
Feb. 14 (Tues-am)	Mandible		Tues am, Feb. 28
Feb. 16	Temporomandibular Joints		Mar. 2
Mar. 7 (Tues-am)	Nasal Bones and Orbita		Tues am, Mar. 21
Mar. 9	Midterm		Mar. 23
Apr. 4 (Tues-am)	Sella and Facial Bones		Tues am, Mar. 28
Apr. 4 (Tues-pm)	Zygomatic Arches		Tues pm, Mar. 28
Apr. 6	Mastoids		Mar. 30
Apr. 11 (Tues-am)	IACs		Tues am, Apr. 18
Apr. 11 (Tues-pm)	Foreign Body of the Eye		Tues pm, Apr. 18
Apr. 13	Review		Apr. 20