



BRITISH COLUMBIA INSTITUTE OF TECHNOLOGY

School of Health Sciences

Program: Medical Radiography

Option:

Course Outline Part A

**MRAD 3301**

**Radiographic Procedures 3**

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<b>Hours/Week:</b>	5	<b>Total Hours:</b>	35	<b>Term/Level:</b>	3
<b>Lecture:</b>		<b>Total Weeks:</b>	7	<b>Credits:</b>	4
<b>Lab:</b>					
<b>Other:</b>					

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#### Prerequisites

**MRAD 3301 is a Prerequisite for:**

**Course No.      Course Name**

**Course No.      Course Name**

MRAD 3304

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#### Course Goals

- To provide students with knowledge of positioning techniques for radiographs of the skull.
- To give students an understanding of the relationships among skull anatomy, beam direction and radiographic anatomy.

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

1. Locate surface landmarks, localizing lines and planes of the skull.
  2. Differentiate between specialized projections for the various aspects of the skull.
  3. Discuss beam direction and centering points for the various views/projections of the skull.
  4. Adapt positioning to accommodate patient limitations.
  5. Integrate patient care, communication and organizational skills when positioning for skull views.
  6. Describe positioning required to demonstrate specific anatomical structures.
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#### Course Description

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.



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Course Outline **Part B**

**MRAD 3301**

**Radiographic Procedures 3**

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### Effective Date

January, 1996

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### Instructor(s)

Dori Kaplun

Office No.: SW1-4084

Phone: Local 5750

Home 980-8173

Office Hrs.: Monday, Tuesday, Thursday & Friday

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### Text(s) and Equipment

Required:

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.

Recommended:

1. "Textbook of Radiographic Positioning and Anatomy" — Bontrager and Anthony.
  2. "Radiography of the Skull and Brain" — DuPont.
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### Course Notes (Policies and Procedures)

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### Assignment Details

## Evaluation

Final Examination	40%	All labs must be satisfactorily completed before a course mark will be given. 60% is considered as a pass.
Mid Term	30%	
Lab	10%	
Video	15%	
TOTAL	100%	

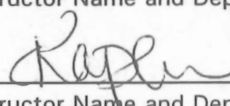
## Course Outcomes and Sub-Outcomes

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 projections/views of the skull.
5. plan, produce and evaluate 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 videotape to assess preparedness, for the clinical area.
7. evaluate a junior student's video and provide appropriate feedback.

## Course Record

Developed by: \_\_\_\_\_ Date: \_\_\_\_\_  
Instructor Name and Department (signature)

Revised by:  \_\_\_\_\_ Date: Dec '95  
Instructor Name and Department (signature)

Approved by: \_\_\_\_\_ Start Date: \_\_\_\_\_  
Associate Dean / Program Head (signature)



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Schedule

**MRAD 3301**

**Radiographic Procedures 3**

SETS	MRAD 3301 POSITIONING LECTURES	SETS
A/C	MRAD 3301 POSITIONING LABS	B/D
Date	TOPIC	Date
Jan. 9	Skull Landmarks, Classifications and Lines	Jan 23
Jan 11	Fronto occipital, Frontooccipital 30°, Lateral	Jan 25
Jan 8/12	Radiography of Dry Bones, Importance of Centering and Safelight Tests	Jan 22/26
Jan 16	Occipitofrontal 15°, Submentovertical, Fronto occipital 15°, Occipitofrontal 30°	Jan 30
Jan 18	Sinuses	Feb 1
Jan 15/19	Positioning: Fronto occipital, Fronto occipital 30° Lateral Radiography: Petrous Scenario	Jan 29 Feb 2
Feb 6	Facial Bones, Review	Feb 2
Feb 8	Mid Term	Feb 22
Feb 5/9	Positioning: Occipitofrontal 15°, Submentovertical, Occipitofrontal 30°, Fronto occipital 15°	Feb 19/23
Feb 13	Mandible	Feb 27
Feb 15	Temporomandibular Joints	Feb 29
Feb 12/16	Positioning Sinuses Radiography: Sinus Scenario	Feb 26 Mar 1
Mar 5	Zygomatic Arches, Nasal Bones	Mar 26
Mar 7	Sella, Orbits	Mar 28
Mar 4/8	Positioning: Mandible, TMJs Radiography: Mandible scenario & TMJs	Mar 25/29
Mar 19	Mastoids	Apr 2

SETS	MRAD 3301 POSITIONING LECTURES	SETS
A/C	MRAD 3301 POSITIONING LABS	B/D
Mar 21	Internal Auditory Canals	Apr 4
Mar 18/22	Positioning: Zygomatic Arches, Nasal Bones Radiography: Surprise Scenario Good Friday, April 5 (Set D)	April 1/5
Apr 9	Skull Trauma	Apr 16
Apr 11	Skull Trauma	Apr 18
Apr 8/12	April 8 Easter Monday (Set A) Set D Positioning: Zygomatic Arches, Nasal Bones Radiography: Surprise Scenario Sets B/C Review Scenarios	Apr 15/19
	Spring Break — March 11 – 15 Exam Week — April 22 – 26	