



COURSE IMPLEMENTATION DATE: January 2010
 COURSE REVISED IMPLEMENTATION DATE: September 2011
 COURSE TO BE REVIEWED: November 2015
(six years after UPAC approval) *(month, year)*

OFFICIAL UNDERGRADUATE COURSE OUTLINE INFORMATION

Students are advised to keep course outlines in personal files for future use.
 Shaded headings are subject to change at the discretion of the department – see course syllabus available from instructor

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|--------------------------|---------------------------------------|-------------|
| HLTH NC12 | Continuing Studies | 0 |
| COURSE NAME/NUMBER | FACULTY/DEPARTMENT Medical Imaging | UFV CREDITS |
| COURSE DESCRIPTIVE TITLE | | |

CALENDAR DESCRIPTION:

This course will provide learners with the necessary theoretical and clinical components to work in the medical imaging departments of hospitals.

PREREQUISITES: **Acceptance into the Nursing Unit Clerk program.**
 COREQUISITES:
 PRE or COREQUISITES:

SYNONYMOUS COURSE(S):

- (a) Replaces: _____
- (b) Cross-listed with: _____
- (c) Cannot take: _____ for further credit.

SERVICE COURSE TO: *(department/program)*

TOTAL HOURS PER TERM: 36

STRUCTURE OF HOURS:

Lectures: 36 Hrs
 Seminar: _____ Hrs
 Laboratory: _____ Hrs
 Field experience: _____ Hrs
 Student directed learning: _____ Hrs
 Other (specify): _____ Hrs

TRAINING DAY-BASED INSTRUCTION:

Length of course: _____
 Hours per day: _____

OTHER:

Maximum enrolment: _____
 Expected frequency of course offerings: _____
(every semester, annually, every other year, etc.)

WILL TRANSFER CREDIT BE REQUESTED? (lower-level courses only) Yes No
WILL TRANSFER CREDIT BE REQUESTED? (upper-level requested by department) Yes No
TRANSFER CREDIT EXISTS IN BCCAT TRANSFER GUIDE: Yes No

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|--|---|
| Course designer(s): <u>Shirley Jones</u> | Date approved: <u>January 2011</u> |
| Department Head: <u>Cheryl Isaac</u> | Date of meeting: <u>January 28, 2011</u> |
| Supporting area consultation (Pre-UPAC) | Date approved: <u>January 2011</u> |
| Curriculum Committee chair: <u>Cheryl Isaac</u> | Date approved: <u>January 20, 2011</u> |
| Dean/Associate VP: <u>Sue Brigden</u> | Date of meeting: <u>February 25, 2011</u> |
| Undergraduate Program Advisory Committee (UPAC) approval | |

LEARNING OUTCOMES:

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

- Identify the sub-sections in a Medical Imaging department including section specific exams
- Process Physicians Orders for Medical Imaging Procedures.
- Receive and file Medical Imaging reports.
- Identify medical imaging tests, knowing their abbreviations, the department they are performed in and if they require a patient preparation including Bloodwork
- Describe personal radiation safety devices and understand departmental construction code
- Describe and understand PACS (Picture Archiving and communication System)
- Be familiar with pre-procedure preparations and orders
- Make arrangements for patient porters and know the role of the hospital porters.
- Be familiar with vocabulary specific to Medical Imaging
- Schedule booking for all Medical Imaging procedures
- Be familiar with medical coverage plans and the registering of patients for Medical Imaging
- Understand medical imaging workflow in both the film and filmless environment

METHODS: *(Guest lecturers, presentations, online instruction, field trips, etc.)*

Lecture, discussions, simulated practice exercises

METHODS OF OBTAINING PRIOR LEARNING ASSESSMENT RECOGNITION (PLAR):

Examination(s) Portfolio assessment Interview(s)

Other (specify):

PLAR cannot be awarded for this course for the following reason(s):

TEXTBOOKS, REFERENCES, MATERIALS:

Medical Imaging Course pack

SUPPLIES / MATERIALS:

n/a

STUDENT EVALUATION:

Transcribing physician's orders 60%

Final exam 40%

COURSE CONTENT:

[Course content varies by instructor. An example of course content might be:]

| | Topics covered | Assignments |
|--------------------|--|--|
| 1 (4 hours) | Course Overview Learning Outcomes Abbreviations pertinent to Medical Imaging Vocabulary pertinent to Medical Imaging Overview of Medical Imaging Depart | Process Drs. Orders pertaining to information covered in this class |
| 2 (4 hours) | X-Ray patient positions X-Ray Procedure for ordering X-rays X-rays that do and do not require a contrast medium or preparation Importance and knowledge of patient preparation | Review of lesson 1 Process Dr. Orders pertaining to information learned in this class |
| 3 (4 hours) | Knowledge and booking of Special Procedures Interventional Radiology Booking Ambulance/Transport Knowledge and booking of CT Scans Drs. Order exam (15%) | Review of Lesson 2 Drs Order quiz worth 15% of final mark Process Drs. Orders pertaining to information learned in class |
| 4 (4 hours) | Knowledge and booking of Ultrasounds Knowledge and booking of Nuclear Medicine test Knowledge and booking of MRI's | Review of Lesson #3 Process Drs. Order pertaining to information learned in this class |
| 5 (4 hours) | Mid Term exam (worth 20% final mark) Drs. Orders exam (worth 15% final mark) | |
| 6 (4 hours) | Role of the Clerical Support worker Booking exams in Medical Imaging Knowledge and booking of mammograms Knowledge and booking of bone Density test Knowing the role and booking a hospital porter Importance of Filing reports and results | Review of information covered in first half of module Process Drs. Order pertaining to information learned in this class |
| 7 (4 hours) | Appointments and scheduling Registration and Billing Radiation Protection | Review of Lesson #6 Process Drs. Order pertaining to information learned in this class |
| 8 (4 hours) | Drs. Order exam (15 %) Film and filmless technology Digital Images PACS and Information systems | Review of Lesson #7 Process Drs. Order pertaining to information learned in this class |
| 9 (4 hours) | Final Exam (20% final mark) Drs. Orders (15% final orders) | |