

MRSC3160: Diagnostic Radiography Professional Practice 3B

Callaghan

Semester 2 - 2023



THE UNIVERSITY OF
NEWCASTLE
AUSTRALIA

OVERVIEW

Course Description

This course allows students to refine their basic to high level professional skills by participating in skill labs at university and by attending a professional placement at an accredited clinical centre. This professional placement will allow students to finalise their professional skills, complete program competency requirements, and become ready to begin clinical practice. The labs must be passed to be allowed to attend professional placement, and pass the course. Clinical placement occurs during Semester 2 for six weeks.

Review of Progress Requirements

This course is a compulsory program requirement for students in the following program(s):

- Bachelor of Medical Radiation Science (Honours) (Diagnostic Radiography)

In addition to meeting the University's overall requirements for academic progression, students enrolled in these program(s) must satisfactorily complete this course in order to progress in their program.

Requisites

Students must be concurrently enrolled in MRSC3155, successfully completed MRSC3105 and MRSC3111, and be active in the Bachelor of Medical Radiation Science (Honours) (Diagnostic Radiography) [40002] program to enrol in this course.

Contact Hours

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Clinical *

Face to Face Off Campus

40 hour(s) per Week for 6 Weeks

Equivalent of 30 full-time shifts of compulsory clinical practice during the semester or equivalent part time

Laboratory *

Face to Face On Campus

2 hour(s) per Week for 4 Weeks

Attendance to complete laboratory exercises may be used to complement professional placement.

Lecture *

Face to Face On Campus

1 hour(s) per Week for 1 Weeks

Clinical Briefing 1 hr per semester (held in semester 1) - compulsory attendance

Clinical Debriefing 1hr per semester Week 7 - compulsory attendance

COURSE OUTLINE

www.newcastle.edu.au

CRICOS Provider 00109J

**Unit Weighting
Workload**

* This contact type has a compulsory requirement.
10
Students are required to spend on average 120-140 hours of effort
(contact and non-contact) including assessments per 10 unit course.

CONTACTS

Course Coordinator

Callaghan
Professor Peter Stanwell
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(02) 4921 6586
Consultation: by appointment to be made via email

Teaching Staff

Megan Collins (Megan.L.Collins@newcastle.edu.au) - Industry and Clinical Educator Diagnostic Radiography
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SYLLABUS

Course Content

- General radiography
- Computed Tomography
- Fluoroscopy
- Medical imaging modalities

**Course Learning
Outcomes**

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

1. Observe and identify the role and function of medical radiation practitioners and health care team members in the delivery of health care
2. Continue to apply and participate in MRS procedures at a level suitable to their current clinical experience
3. Continue to develop and demonstrate a professional attitude towards members of the public and other health care workers
4. Further develop clinical reasoning skills
5. Further develop and apply communication skills with members of the public and other health care workers
6. Practice within an ethical and legal framework
7. Evaluate and critique his or her role within and during the clinical practice according to the level of experience
8. Describe the current and future roles that may be required to practice within and reflect on the need for continual learning to improve clinical practice

9. Summarise their clinical learning over the entire clinical program

Course Materials

COMPULSORY REQUIREMENTS

In order to pass this course, each student must complete ALL of the following compulsory requirements:

Contact Hour Requirements:

- Lecture There is a compulsory attendance requirement in this course.

Course Assessment Requirements:

-

Pre-Placement Requirements:

- NSW Health Verification Requirements - Mandatory NSW Health Verification Requirements must be met. additional requirements may need to be satisfied for individual placement sites.

ASSESSMENTS

This course has 3 assessments. Each assessment is described in more detail in the sections below.

	Assessment Name	Due Date	Involvement	Weighting	Learning Outcomes
1	Professional Placement Workbook*	One week following final Professional Placement shift <ul style="list-style-type: none">• Mid-placement report – 11th August 2023.• End-of-placement report – 8th September 2023.	Individual	40%	1, 2, 3, 4, 5, 6, 7, 8, 9
2	Lab quizzes*	During each allocated lab session	Individual	60%	2, 4, 7, 8, 9

* This assessment has a compulsory requirement.

Late Submissions

The mark for an assessment item submitted after the designated time on the due date, without an approved extension of time, will be reduced by 10% of the possible maximum mark for that assessment item for each day or part day that the assessment item is late. Note: this applies equally to week and weekend days.

Assessment 1 - Professional Placement Workbook

Assessment Type

Log / Workbook

Description

Clinical Supervisor Reports: These reports assess the student against a series of skills-based and attitudinal indicators. The assessment reports contain both formative and summative feedback for the student and the university coordinator. The assessment is undertaken a minimum of two (2) times during the Professional Placement block. An average of the mid-placement and end-of-placement reports forms this mark/grade.

Weighting

40%

Due Date	Mid-placement report – 11 th August 2023. End-of-placement report – 8 th September 2023.
Submission Method	Online completion by Clinical Supervisor using provided links or email to course coordinator.
Assessment Criteria	Marks uploaded to MRSC3160 Canvas site
Return Method	N/A
Feedback Provided	
Opportunity to Reattempt	Students WILL be given the opportunity to reattempt this assessment if there is an accepted Adverse Circumstances application.

Assessment 2 – Lab Quizzes

Assessment Type	Online quiz undertaken at end of each of four (4) labs for MRSC3160
Description	Online computer-based quiz
Weighting	60%
Due Date	Undertaken during each allocated lab session
Submission Method	In class, via Canvas
Assessment Criteria	
Return Method	Online – results are provided via Canvas
Feedback Provided	
Opportunity to Reattempt	Students WILL be given the opportunity to reattempt this assessment. Alternative assessment may be arranged if applicable

ADDITIONAL INFORMATION

Grading Scheme

This course is graded as follows:

Range of Marks	Grade	Description
85-100	High Distinction (HD)	Outstanding standard indicating comprehensive knowledge and understanding of the relevant materials; demonstration of an outstanding level of academic achievement; mastery of skills*; and achievement of all assessment objectives.
75-84	Distinction (D)	Excellent standard indicating a very high level of knowledge and understanding of the relevant materials; demonstration of a very high level of academic ability; sound development of skills*; and achievement of all assessment objectives.
65-74	Credit (C)	Good standard indicating a high level of knowledge and understanding of the relevant materials; demonstration of a high level of academic achievement; reasonable development of skills*; and achievement of all learning outcomes.
50-64	Pass (P)	Satisfactory standard indicating an adequate knowledge and understanding of the relevant materials; demonstration of an adequate level of academic achievement; satisfactory development of skills*; and achievement of all learning outcomes.
0-49	Fail (FF)	Failure to satisfactorily achieve learning outcomes. If all compulsory course components are not completed the mark will be zero. A fail grade may also be awarded following disciplinary action.

*Skills are those identified for the purposes of assessment task(s).

Communication Methods Communication methods used in this course include:

Course Evaluation Each year feedback is sought from students and other stakeholders about the courses offered in the University for the purposes of identifying areas of excellence and potential improvement.

Oral Interviews (Vivas)	As part of the evaluation process of any assessment item in this course an oral examination (viva) may be conducted. The purpose of the oral examination is to verify the authorship of the material submitted in response to the assessment task. The oral examination will be conducted in accordance with the principles set out in the Oral Examination (viva) Procedure . In cases where the oral examination reveals the assessment item may not be the student's own work the case will be dealt with under the Student Conduct Rule .
Academic Misconduct	All students are required to meet the academic integrity standards of the University. These standards reinforce the importance of integrity and honesty in an academic environment. Academic Integrity policies apply to all students of the University in all modes of study and in all locations. For the Student Academic Integrity Policy, refer to https://policies.newcastle.edu.au/document/view-current.php?id=35 .
Adverse Circumstances	<p>The University acknowledges the right of students to seek consideration for the impact of allowable adverse circumstances that may affect their performance in assessment item(s). Applications for special consideration due to adverse circumstances will be made using the online Adverse Circumstances system where:</p> <ol style="list-style-type: none">1. the assessment item is a major assessment item; or2. the assessment item is a minor assessment item and the Course Co-ordinator has specified in the Course Outline that students may apply the online Adverse Circumstances system;3. you are requesting a change of placement; or4. the course has a compulsory attendance requirement. <p>Before applying you must refer to the Adverse Circumstance Affecting Assessment Items Procedure available at: https://policies.newcastle.edu.au/document/view-current.php?id=236</p> <p>The use of live-response (“homework helper”) websites or applications during assessment items may be considered to be academic misconduct, and will be referred to the Student Academic Conduct Officer (SACO) under the University’s Student Conduct Rule.</p> <p>The submission of generative AI chatbot (e.g. ChatGPT) products or materials, in whole or in part, and represented as a student’s own original work, could be considered “dishonest or reckless conduct by a student to gain an advantage”. This may be considered Academic Misconduct under the University’s Student Conduct Rule.</p> <p>The use of websites or applications during assessment items (“Tabbing” or “Alt-Tabbing”) may be considered to be academic misconduct, and will be referred to the Student Academic Conduct Officer (SACO) under the University’s Student Conduct Rule. In all cases, unless your Course Co-Ordinator has explicitly allowed a resource, then you must assume that a resource (text, website and/or application) is not to be used during an assessment item.</p> <p>Academic Misconduct has the potential for serious consequences, including failing the course, or being suspended or excluded from the University.</p>
Important Policy Information	The Help button in the Canvas Navigation menu contains helpful information for using the Learning Management System. Students should familiarise themselves with the policies and procedures at https://www.newcastle.edu.au/current-students/no-room-for/policies-and-procedures that support a safe and respectful environment at the University.

This course outline was approved by the Head of School. No alteration of this course outline is permitted without Head of School approval. If a change is approved, students will be notified and an amended course outline will be provided in the same manner as the original.

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Domain 1: Medical Radiation Practitioner

Key Capability		Demonstrated in this Course?
1. Apply knowledge of anatomy, physiology and pathology to practice.	Yes	
2. Use clinical information management systems appropriately.	Yes	
3. Understand and apply the different methods of imaging and treatment.	Yes	
4. Confirm the procedure according to clinical indicators.	Yes	
5. Assess the patient's/client's capacity to receive care.	Yes	
6. Implement techniques for patient/client stabilisation and reproducibility	No	
7. Deliver patient/client care.	Yes	
8. Apply knowledge of safe and effective use of medicines.	Yes	

Domain 1A: Diagnostic Radiography

Key Capability		Demonstrated in this Course?
1. Perform projection radiography examinations in a range of settings.	Yes	
2. Perform fluoroscopy and angiography examinations in a range of settings.	Yes	
3. Perform computed tomography (CT) imaging	Yes	

Domain 2: Professional and Ethical Practitioner

Key Capability		Demonstrated in this Course?
1. Practise in an ethical and professional manner, consistent with relevant	Yes	
2. Provide each patient/client with dignity and care.	Yes	
3. Take responsibility and accountability for professional decisions.	Yes	
4. Advocate on behalf of the patient/client when appropriate.	Yes	
5. Seek opportunities to progress the profession	Yes	

Domain 3: Communicator and Collaborator

Key Capability	Demonstrated in this Course?
1. Communicate clearly, sensitively and effectively with the patient/client and their family or carers.	Yes
2. Collaborate with other health practitioners.	Yes

Domain 4: Evidence-Informed Practitioner

Key Capability	Demonstrated in this Course?
1. Resolve challenges through application of critical thinking and reflective practice.	Yes
2. Identify ongoing professional learning needs and opportunities.	Yes

Domain 4: Radiation Safety and Risk Manager

Key Capability	Demonstrated in this Course?
1. Perform and provide safe radiation practice.	Yes
2. Protect and enhance patient/client safety.	Yes
3. Implement quality assurance processes imaging or treating patients/clients.	Yes
4. Maintain safety of the workplace and associated environments.	Yes