

MRSC1110: Diagnostic Radiography Professional Practice 1

Callaghan

Semester 2 - 2023



THE UNIVERSITY OF
NEWCASTLE
AUSTRALIA

OVERVIEW

Course Description

This course provides students with the opportunity to begin to develop professional knowledge, skills, attitudes and experience, by participating in professional skill labs at university and by attending a professional placement at an accredited diagnostic radiography clinical centre. The labs and professional placement will increase confidence and competence in undertaking and participating in basic professional procedures.

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 active in the Bachelor of Medical Radiation Science (Honours) (Diagnostic Radiography) [40002] program, have successfully completed MRSC1010, HUBS1105 and HLSC1000, AND be concurrently enrolled in MRSC1150 to enrol in this course.

Assumed Knowledge

HUBS1105
HUBS1401
MRSC1010
HLSC1000
Must be enrolled in or have successfully passed MRSC1100 or MRSC1150.

Contact Hours

Callaghan

Clinical *

Face to Face Off Campus
40 hour(s) per Term Full Term
Up to 40 hours (5 shifts of clinical practice)

Laboratory *

Face to Face On Campus
2 hour(s) per Week for 9 Weeks starting Week 1

Lecture *

Face to Face On Campus
1 hour(s) per Term Full Term

* This contact type has a compulsory requirement.

COURSE OUTLINE

www.newcastle.edu.au

CRICOS Provider 00109J

Unit Weighting 10

Workload 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**
Miss Bianca Alcevski
Bianca.Alcevski@newcastle.edu.au
(02) 4913 8792
Consultation: Please email for an appointment.

Teaching Staff Other teaching staff will be advised on the course Canvas site.

School Office **School of Health Sciences**
Room 302, ICT Building
Callaghan
SchoolHealthSciences@newcastle.edu.au
+61 2 4921 7053

SYLLABUS

Course Content This course is fully integrated with MRSC1150. Medical radiation science students in Year I are expected to develop knowledge, skills and attitudes, practice and procedure, at a level commensurate with their professional development.

Anatomical regions covered include:

- Musculo-skeletal imaging
- Cardio-respiratory imaging

Course Learning Outcomes **On successful completion of this course, students will be able to:**

1. Apply, participate in, and develop clinical skills in, MRS procedures at a level suitable to their current clinical experience
2. Begin to develop and demonstrate a professional attitude towards members of the public and other health care workers
3. Begin to develop clinical reasoning skills
4. Begin to develop and apply communication skills with members of the public and other health care workers
5. Practice within an ethical and legal framework
6. Be able to evaluate and critique his or her role within and during the clinical period, according to the level of experience

Course Materials Recommended course materials:

1. Bontrager, K.L. & Lampignano, J.P. (2017) *Textbook of Radiographic Positioning and Related Anatomy (9th Ed)*. St Louis: Elsevier Mosby.
2. Eisenberg, R.L. & Johnson, N.M. (2011) *Comprehensive Radiologic Pathology (5th Ed)*. St Louis: Mosby.
3. Fleckenstein, P. & Tranum-Jensen, J. (2014) *Anatomy in Diagnostic Imaging (3rd Ed)*. Denmark: Munksgaard.
4. McQuillan-Martensen, K. (2000) *Radiographic Critique (2nd Ed)*. Philadelphia: Saunders.

5. Weir, J. & Abrahams, S. P. (2011) *Imaging Atlas of Human Anatomy* (4th Ed).
London: Mosby.

6. Canvas resources - Students in this course should be automatically enrolled into the
course site: MRSC1150 Diagnostic Radiography Methods I

COMPULSORY REQUIREMENTS

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

Contact Hour Requirements:

- Clinical: There is a compulsory attendance requirement in this course. Students must complete up to 40 hours or 5 shifts on Clinical Placement to pass this course
- Laboratory: There is a compulsory attendance requirement in this course. Students must attend **100% of labs** to pass this course
- Lecture: There is a compulsory attendance requirement in this course. This session is a clinical briefing. Students must attend this lecture to be able to attend placement.

Pre-Placement Requirements:

- First Aid Certificate - students must complete a First Aid Certificate issued by an approved provider.
- NSW Health Verification Requirements - Mandatory NSW Health Verification Requirements must be met.

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	Clinical Reflection Task	Due week after finishing placement on Wednesday at 12pm	Individual	15%	1, 2, 3, 4, 5, 6
2	Groupwork Assignment	Due Wednesday 30th August 12pm	Individual	30%	1, 2, 3, 4, 5, 6
3	Laboratory assessments	Laboratory record and critique (5% each week) will be due weekly from week 2 for a total of 8 weeks . Students attending the Wednesday Laboratory will have until Sunday that week 12pm to submit. Students attending the Thursday Laboratory will have until Monday the next week 12pm to submit. Students attending the Friday Laboratory will have until Tuesday the next week at 12pm to submit. The Communication OSCE (15%) is during allocated Laboratory session, Academic Week 4	Individual	55%	1, 2, 3, 4, 5, 6

* 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 - Clinical Reflection Task

Assessment Type	Portfolio
Description	Reflection task to identify, plan and implement ongoing professional learning throughout Clinical Placement.
Weighting	15%
Due Date	This is a summative assessment and will contribute to your final grade Due week after finishing placement on Wednesday at 12pm
Submission Method	Online via Canvas.
Return Method	Online via Canvas.
Feedback Provided	Online via Canvas.
Opportunity to Reattempt	Students may be given the opportunity to reattempt this assessment if there is an accepted adverse circumstances application.

Reminder

Reusing one's own work, or part thereof, that has been submitted previously and counted towards another course without permission from the relevant Course Coordinator and making contact or colluding with another person, contrary to instructions, during an examination, in-term test, quiz or other individual assessment item are considered forms of Academic Fraud within the [Student Academic Integrity Policy](#). This information is located in the policy [glossary](#) under *academic fraud*, the [Academic Integrity Module](#) and/or details in HLSC1000 content on Academic Integrity.

Assessment 2 – Groupwork Assignment

Assessment Type	Groupwork
Description	Case study assignment centred around chest pathology and imaging.
Weighting	30%
Due Date	This is a summative assessment and will contribute to your final grade. Wednesday 30 th August 2023.
Submission Method	Online via Canvas. One student from each group is to submit the assignment.
Return Method	Online via Canvas.
Feedback Provided	Students WILL NOT be given the opportunity to reattempt this assessment. Late submission penalties will apply for assignments not submitted by the due date

Reminder

Reusing one's own work, or part thereof, that has been submitted previously and counted towards another course without permission from the relevant Course Coordinator and making contact or colluding with another person, contrary to instructions, during an examination, in-term test, quiz or other individual assessment item are considered forms of Academic Fraud within the [Student Academic Integrity Policy](#). This information is located in the policy [glossary](#) under *academic fraud*, the [Academic Integrity Module](#) and/or details in HLSC1000 content on Academic Integrity.

Assessment 3 - Laboratory assessments

Assessment Type	Laboratory Exercises
Description	Laboratory based assessments will be performed and assessed by university and external staff (AHPRA registered radiographers)
Weighting	55%
Due Date	These are summative assessments and will contribute to your final grade Students attending the Wednesday Laboratory will have until Sunday that week 12pm to submit. Students attending the Thursday Laboratory will have until Monday the next week 12pm to submit. Students attending the Friday Laboratory will have until Tuesday the week at 12pm to submit.
Submission Method	Online via Canvas.
Return Method	Online via Canvas.
Feedback Provided	Online via Canvas.

Reminder

Reusing one's own work, or part thereof, that has been submitted previously and counted towards another course without permission from the relevant Course Coordinator and making contact or colluding with another person, contrary to instructions, during an

examination, in-term test, quiz or other individual assessment item are considered forms of Academic Fraud within the [Student Academic Integrity Policy](#). This information is located in the policy [glossary](#) under *academic fraud*, the [Academic Integrity Module](#) and/or details in HLSC1000 content on Academic Integrity.

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>.

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](#).

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](#).

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.

Academic Misconduct has the potential for serious consequences, including failing the course, or being suspended or excluded from the University.

Adverse Circumstances

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:

1. the assessment item is a major assessment item; or
2. 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; or
4. the course has a compulsory attendance requirement.

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>

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.

© 2023 The University of Newcastle, Australia