

MRSC3330: Nuclear Medicine Professional Practice 3A

Callaghan

Semester 1 - 2024



THE UNIVERSITY OF
NEWCASTLE
AUSTRALIA

OVERVIEW

Course Description This course allows students to consolidate their basic professional skills and to refine their advanced professional skills by participating in professional skills labs at university and by successfully completing a professional placement at an accredited Nuclear Medicine clinical centre. The labs must be passed to be allowed to attend professional practice and pass the course.

Academic Progress Requirements This course is a compulsory program requirement and is monitored for academic progress purposes. The course must be completed to progress in the program or meet other program requirements.

Failure or withdrawal from this course will result in students being considered under the Student Academic Progress Procedure.

Requisites Students must be concurrently enrolled in MRSC3305, have successfully completed MRSC2350 and MRSC2380, and be active in the Bachelor of Medical Radiation Science (Honours) (Nuclear Medicine) [40011] program to enrol in this course.

Assumed Knowledge MRSC2350, MRSC2380 & MRSC2580

Contact Hours **Callaghan Clinical**
Face to Face Off Campus
40 hour(s) per week(s) for 6 week(s)
Complete a minimum of 25 shifts of compulsory professional practice during the placement Clinical Briefing 2 hr per semester - compulsory attendance Note: Full term does not include those times where students are on a timetable professional placement.

Laboratory
Face to Face On Campus
2 hour(s) per week(s) for 7 week(s) starting Week 2

Lecture
Face to Face On Campus
2 hour(s) per week(s) for 2 week(s)

Unit Weighting Workload 10
Students are required to spend on average 120-140 hours of effort (contact and non-contact) including assessments per 10 unit course.

COURSE OUTLINE

CONTACTS

Course Coordinator **Callaghan**
Mr Andrew Lloyd
Andrew.Lloyd@newcastle.edu.au
49217069
Consultation:

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

School Office **School of Health Sciences**
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SYLLABUS

Course Content

1. Skeletal system
2. Pulmonary system
3. Endocrine system
4. Gastro-intestinal system
5. Genito-urinary system
6. Tumour imaging
7. Cardiovascular system
8. Infection localisation
9. Paediatrics
10. Therapy
11. Positron Emission Tomography
12. Bone densitometry
13. Central nervous system
14. Lymphatics
15. Molecular imaging

Course Learning Outcomes

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

1. Demonstrate competence with performing complex Nuclear Medicine procedures involving pharmaceutical contraindication knowledge
2. Perform complex image analysis.
3. Demonstrate a professional attitude towards members of the public and other health care workers
4. Demonstrate clinical reasoning/ management skills consistent with their level of experience.
5. Combine good communication skills with members of the public and other health care workers in the delivery of patient care
6. Practice within an ethical and legal framework
7. 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
8. Apply the skills and knowledge necessary to employ an evidenced based approach to decision making in health care practice.
9. Reflect upon and evaluate and critique his or her role within and during the clinical placement,

according to the level of experience.

Course Materials

COMPULSORY REQUIREMENTS

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

Contact Hour Requirements:

-

Course Assessment Requirements:

- Assessment 1 - Report - Professional Placement Workbook: Pass requirement - Must pass all criterion in the Supervisor's Final Report and must pass overall in this assessment item to pass the course.
- Assessment 2 - Laboratory Exercises: Must attend Lab classes to pass the course.

Compulsory Placement and WHS 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 2 assessments. Each assessment is described in more detail in the sections below.

	Assessment Name	Due Date	Involvement	Weighting	Learning Outcomes
1	Report - Professional Placement Workbook*	6 th May	Individual	100%	1, 2, 3, 4, 5, 6, 7, 8, 9
2	Laboratory Exercises*	Throughout semester	Individual	Formative	1, 3, 4, 6, 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 - Report - Professional Placement Workbook

Assessment Type Description

Clinical Supervisor's Report and Case Study
Students will receive a Final Report from their Clinical Supervisor, they will complete two competency reports and they will complete one case study

Weighting Compulsory Requirements

Case Study 30%, Competency Reports 20% Final Supervisor's Report 50%
Pass Requirement - Students must receive a Supervisor grade of the expected level or above in each criteria of their final report as well as their overall grade in their Final Report in order to pass this course.

Due Date Submission Method Assessment Criteria

6th May
Online
The Final Report and Competency Reports completed by the Clinical Supervisor will contribute 70% of the total marks for the course.
The Case study will be marked in accordance to a marking rubric provided on the Canvas site and explained during the pre-clinical lecture and will contribute 30% towards the total marks in the professional placement report.

Return Method Feedback Provided

Online and by appointment.

Opportunity to Reattempt

Students WILL NOT be given the opportunity to reattempt this assessment.

Assessment 2 - Laboratory Exercises

Assessment Type	Tutorial / Laboratory Exercises
Description	Students must attend practical Hotlab classes and complete quizzes.
Weighting	Formative
Compulsory Requirements	Pass requirement - Must attend and participate satisfactorily in this assessment item to pass the course.
Due Date	Throughout the semester
Submission Method	Face to face in classes
Assessment Criteria	Students must attend at least 4 Lab classes, participate satisfactorily and demonstrate appropriate skills and professional behaviour in laboratory sessions.
Return Method	Face to face feedback
Feedback Provided	
Opportunity to Reattempt	If students have been deemed to fail to meet the attendance or skills levels required, they will be offered extra classes to reach the required level.

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

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/respect-at-uni/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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