



Nuclear Medicine Clinical Practice 2

RADY 3038 Study Period 4 - 2022

Internal - City East Campus

Introduction

Welcome

Welcome to Nuclear Medicine Clinical Practice 2 which is ten weeks in duration. This is presented as:

- A clinical workshop at the beginning of September, and
- a three week clinical placement block in April, and
- a further six week clinical placement block in September/October.

Please read this course outline carefully. It contains vital information regarding assessments and what is required from you during your time in the clinical environment.

At this stage of your program you should aim to further develop your technical and clinical skills acquired in Clinical Practice 1 and continue to apply knowledge gained in your University courses.

I will utilise the various forums as the primary method of communication so I ask that you please check these regularly i.e. daily throughout the course. If you have a general query with regard to any aspect of this course, please post it to the general forum and I will provide a response for all students. I will also use a private dialogue to touch base individually during the course to monitor progress, please feel free to contact me via the private chat as required.

For any administrative clinical issues, please contact Campus Central in the first instance: campuscentral.cityeast@unisa.edu.au or (08) 8302 2466 and then if instructed to do so, the Clinical Placement Unit: CPUoffice@unisa.edu.au or (08) 8302 2214.

I wish you luck and hope you enjoy your time in clinical practice. I look forward to communicating with you through the general forum throughout this course. I am here to help so please get in touch with any questions or queries regarding your progress through this course.

All the best,
Katherine Guerrero

Academic Work Definitions

Internal mode includes face to face/in person components such as lectures, tutorials, practicals, workshops or seminars that may be offered at a University campus or delivered at another location. Courses delivered in internal mode may also be offered intensively allowing them to be completed in a shorter period of time. There is an expectation that students will be physically present for the delivery of face to face/in person teaching and learning activities.

Workshop

[Student information](#)

A workshop is a structured activity, delivered either in person or online in a virtual classroom in which the student is required to actively contribute. Your instructor will facilitate guided activities that relate to course content previously covered in a lecture and/or seminar and/or tutorial.

All students are expected to be familiar with relevant lecture seminar and/or tutorial content prior to a workshop in preparation for undertaking the activities in the workshop.

Course Teaching Staff

Primary Coordinator:	Mrs Katherine Guerrero
Location:	UniSA Allied Health & Human Performance BJ1-31
Telephone:	+61 8 8302 2591
Email:	Katherine.Guerrero@unisa.edu.au
Staff Home Page:	people.unisa.edu.au/Katherine.Guerrero

* Please refer to your Course homepage for the most up to date list of course teaching staff.

Contact Details

UniSA Allied Health & Human Performance

Physical Address:	Level 8, Centenary Building UniSA City East Campus Adelaide 5000
Website:	https://www.unisa.edu.au/about-unisa/academic-units/allied-health-and-human-performance/

Additional Contact Details

CAMPUS CENTRAL

All initial inquires should be made through Campus Central

Email: campuscentral.cityeast@unisa.edu.au

Website: <http://w3.unisa.edu.au/campuscentral/default.asp>

CLINICAL PLACEMENT UNIT

To contact the Clinical Placement Unit, email cpuoffice@unisa.edu.au or call (08) 8302 2214.

Website: <https://study.unisa.edu.au/student-placements-and-internships/nursing-health-medical-sciences/cpu/>

Office hours are 8:30am–4.30pm, Monday to Friday.

SAMI (South Australian Medical Imaging) Clinical Placement Coordinator

Emma Liu

Email: Emma.Liu@sa.gov.au

Telephone: 08 8222 6894

Course Overview

Prerequisite(s)

RADY 3022 Nuclear Medicine Studies 2
RADY 2013 Nuclear Medicine Clinical Practice 1

Corequisite(s)

There are no corequisite courses to be completed in conjunction with this course.

Course Aim

To apply and integrate the knowledge and skills gained in the academic program to the Nuclear Medicine clinical environment at a lower-intermediate level.

Course Objectives

On completion of this course, students should be able to:

CO1. Demonstrate an understanding of the issues pertaining to workplace management including team work, the development of resources, cost efficiency, trends in current practice and the modification of work practices

CO2. Demonstrate a knowledge of quality control principles relating to routine Nuclear Medicine practice

CO3. Demonstrate the use of appropriate patient care including effective and apt communication with the patient, critical evaluation and recognition of appropriate referral of Nuclear Medicine procedures, monitoring of the patient's medical condition and the identification and assessment of the psychological and physical needs of the patient

CO4. Demonstrate and describe the routine techniques (adult and paediatric) used in Nuclear Medicine including the preparation and administration of radiopharmaceuticals and the acquisition, analysis and archiving of data

CO5. Discuss the role of the Nuclear Medicine scientist in providing a safe radiation environment including the adherence to local radiation safety and protection guidelines, the ability to access radiation safety (national and international), and relevant occupational health and workplace safety, legislation and safety in the workplace for staff and patients in areas such as patient transfers and infection control

CO6. Demonstrate the use of appropriate professional behaviour associated with the Nuclear Medicine profession including continuing education and professional development, adherence to a professional code of ethics and non-discriminatory work practices

CO7. Promote the Nuclear Medicine profession to medical and other health professionals, patients, their families and the community

Upon completion of this course, students will have achieved the following combination of Graduate Qualities and Course Objectives:

	Graduate Qualities being assessed through the course						
	GQ1	GQ2	GQ3	GQ4	GQ5	GQ6	GQ7
CO1	•	•	•	•	•	•	•
CO2	•		•	•	•		
CO3	•		•	•	•	•	
CO4	•		•	•	•		
CO5	•	•	•		•		•
CO6	•	•	•	•	•	•	
CO7	•	•			•	•	•

Graduate Qualities

A graduate of UniSA:

GQ1. operates effectively with and upon a body of knowledge of sufficient depth to begin professional practice

GQ2. is prepared for life-long learning in pursuit of personal development and excellence in professional practice

GQ3. is an effective problem solver, capable of applying logical, critical, and creative thinking to a range of problems

GQ4. can work both autonomously and collaboratively as a professional

GQ5. is committed to ethical action and social responsibility as a professional and citizen

GQ6. communicates effectively in professional practice and as a member of the community

GQ7. demonstrates international perspectives as a professional and as a citizen

Course Content

Clinical skills development (lower-intermediate level) building on technical skills gained in previous clinical courses including patient care and communication, safety, professional behaviour, team working, self motivation, self directed learning and clinical reasoning.

Teaching and Learning Arrangements

Workshop	25 hours
Clinical	337.5 hours

Unit Value

9 units

Use of recorded material

This course will involve the production of audio and/or video recordings of UniSA students. To protect student privacy, you must not at any time disclose, reproduce or publish these recordings, or related material, in the public domain including online, unless the videoed students give consent for reproduction, disclosure or publication. This requirement is consistent with University statutes, by-laws, policies, rules and guidelines which you agreed to abide by when you signed the Student Enrolment Declaration.

Student recording of learning activities

Students **must** seek permission prior to recording any UniSA learning activity. See [A-56 Policy Student recording of learning activities](#)

Breaches of this Policy contravene the principles of academic integrity, and attract the penalties provided in Section 9 of the [Assessment Policies and Procedures Manual](#).

Placement Information

CLINICAL ATTENDANCE

It is a compulsory component of this course that you attend the required number of clinical days according to the Clinical Placement Attendance policy (see further assessment information and for more details). Students are expected to be punctual at all times and are not to leave early unless directed to do so by the clinical supervisor (or delegated mentor). Quiet times without patients are an ideal time for students to familiarise themselves with protocols, equipment and image review as well as restock consumables, attend to scanning rooms, be involved in the disposal of radiation waste, practice image processing, listening to doctors reporting, review journals and performing quality control on equipment. **PERSONAL APPOINTMENTS ARE TO BE MADE OUTSIDE OF CLINICAL PLACEMENT HOURS.**

CLINICAL PLACEMENT POLICIES AND PROCEDURES

It is the student's responsibility to be aware of and adhere to all clinical policies. Refusal to do so may be considered a breach of professional behaviour and, hence, academic misconduct. The link for these policies can be accessed via: <https://study.unisa.edu.au/student-placements-and-internships/nursing-health-medical-sciences/cpu/#policies-forms>

CONDITIONAL EVIDENCE AND PASSPORT TO PLACEMENT

Conditional Evidence: All students are to complete the 'Student Checklist - UniSA Allied Health and Performance' and place original documents in their Passport to Placement (PTP) folder. Conditional evidence documents are required to be presented to venue staff on the first day of orientation and are required to be current for the full duration of clinical placement. Students can view submitted evidence in the My Current Studies/myPlacement section of their student portal.

A copy of the 'Student Checklist' - UniSA Allied Health and Performance' is available through the Clinical Placement Unit (CPU) website: <https://study.unisa.edu.au/student-placements-and-internships/nursing-health-medical-sciences/cpu/#policies-forms>

RURAL/REGIONAL OR INTERSTATE CLINICAL PLACEMENT

As of 2016, the Australian Health Practitioner Regulation Agency has introduced a registration requirement that all students must complete a rural/regional placement at some time during their program. Interstate placement opportunities also exist. Students will be allocated to an interstate placement site where local allocations are exhausted.

VARIATION TO CLINICAL PLACEMENT

Changes to the clinical roster will only be made for extenuating circumstances. A formal request must be submitted for consideration to the Clinical Placement Unit, School of Health Sciences, prior to the commencement of the course. The request for variation to clinical placement form can be found via: <https://study.unisa.edu.au/student-placements-and-internships/nursing-health-medical-sciences/cpu/#policies-forms>

PRE-CLINICAL INFORMATION

All important clinical information will be discussed at a pre-clinical session (organised by the course coordinator) prior to Block A and the pre-clinical week prior to Block B. It is essential that you attend these mandatory sessions as this will be your opportunity to ask questions about the course and clinical practice.

SAFE PRACTICE AND DUTY OF CARE AND PROFESSIONAL AND ETHICAL CONDUCT

'Safe Practice and Duty of Care' and 'Professional and Ethical Conduct' are essential components of clinical practice. A satisfactory grade in both of the Summative components of 'Safe Practice and Duty of Care' and 'Professional and Ethical Conduct' is essential to pass this course.

Safe Practice and Duty of Care:

The student must demonstrate 'Safe Practice and Duty of Care' in the clinical setting. 'Safe Practice and Duty of Care' will be demonstrated by the student who:

- Demonstrates awareness of manual handling principles in patient and staff safety
- Demonstrates the safe application of all equipment
- Is responsible for patient and personal safety
- Does not put other persons in the workplace at any risk
- Demonstrates an awareness of infection control practices
- Demonstrates knowledge of the ALARA principle

Professional and Ethical Conduct:

The student must behave in a 'Professional and Ethical' manner throughout the clinical placement, according to the Medical Radiation Practice Board of Australia (MRPBA) Code of Conduct as well as the University of South Australia Clinical Policies. 'Professional and Ethical Conduct' is demonstrated by the student who:

- Clearly wears the student identification badge at all times
- Wears a current Luxel at all times in accordance with the Bachelor of Medical Radiation Science '*Luxel policy*'
- Is punctual at all times in accordance with the Bachelor of Medical Radiation Science '*Clinical Attendance policy*'
- Maintains confidentiality of staff and patient information at all times
- Maintains personal hygiene and dress as stated in the Medical Radiation '*Uniform policy*'
- Behaves in a professional manner to colleagues, supervisors, patients and their families at all times
- Uses appropriate communication at all times with staff and patients

If a student is deemed unsafe or unprofessional at any time during clinical practice, he/she may be removed from the clinical placement, subject to a review to assess their suitability to participate in the clinical practice course as per the '*Assessment Policies and Procedures Manual 2021*'. Please refer to Section 4 of '*Practice based learning*' found at <https://i.unisa.edu.au/policies-and-procedures/codes/assessment-policies/>

MOBILE PHONE OR INTERNET ACCESS

The use of mobile phones is only permitted during scheduled breaks. Internet access in the clinical department is only with the clinical supervisor's/mentor's permission.

LUXEL POLICY AND PROCEDURE

Please note that radiation workers must wear monitors at all times. You are not permitted to attend or remain on clinical placement without wearing your Luxel. This makes the Luxel an important item for you to manage securely. If your Luxel is lost, you must email the course coordinator immediately and arrange replacement. If you can determine where it may have been lost, contact any relevant lost property department. When travelling with a Luxel through an airport, keep it on your person and walk it through the security detector. It should not go through with your carry-on or registered luggage. Students need to foster extra care around Luxels, track and manage them like you would your keys, or mobile phone or jewellery item. Please refer to the UniSA Luxel policy found at <https://study.unisa.edu.au/student-placements-and-internships/nursing-health-medical-sciences/cpu/#policies-forms>

Further Course Information

MEDICAL FITNESS FOR CLINICAL PLACEMENTS

The Course Coordinator may require a student to produce a medical certificate of fitness to practice in a clinical placement. Further information is available in the '*Assessment Policies and Procedures Manual 2021*'. Please refer to Section 4 '*Practice based learning*', found at <https://i.unisa.edu.au/policies-and-procedures/codes/assessment-policies/>

CLINICAL CONFIDENTIALITY

Information concerning patients and staff from your placement site is confidential. The student must hold in strictest confidence any personal information gained from any source concerning patients and/or staff members. The student must not identify a patient or staff member in any way in any teaching strategy i.e. oral presentation, assignment, case report, clinical record or online discussion. All information (including digital format) taken from clinical placement must not have patient or site identification details present and only taken with supervisors permission. For hard copy data, it is unacceptable to cover the patient details with any kind of marker or white out. Doctors' reports or request forms must not be reproduced, but in instances where this information is required for an assessment, this information may be summarised and transcribed. Permission must always be sought from the patient and clinical mentor or delegated technologist to access patient records for the purpose of an assessment. **Instances where clinical confidentiality has not been observed will be penalised with a '0' mark for that assessment and may result in a fail grade for this course.**

GENERAL ASSESSMENT INFORMATION

See '*Submission and return of assessment tasks*'. Duty of Care' and '*Professional and Ethical Conduct*' is essential to pass this course.

Learning Resources

Textbook(s)

There are no textbooks listed for this course.

Reference(s)

Students will require continual access to the following texts in order to complete this course. The library has online copies of most of the books listed below, however hard copy books are limited and therefore it is recommended to schedule loans if needed. You do not need to buy the books.

Christian, PE & Waterstram-Rich, K M (eds) 2012, Nuclear Medicine and PET/CT: Technology and Techniques, 7th edn, Mosby, St. Louis.

Available in hard copy- City East

OR

Mettler, FA & Guiberteau, MJ 2019, Essentials of Nuclear Medicine Imaging, 7th edn, Saunders Elsevier, Philadelphia.

Available online

OR

Ziessman HA, O'Malley JP, Thrall JH & Fahey FH 2014, Nuclear Medicine: The Requisites, 4th edn, Mosby, St. Louis.

Available online

Saha G. B. 2010, Fundamentals of Nuclear Pharmacy, 6th edn, Springer Science+Business Media, LLC, New York.

Available online

OR

Theobald T. 2011, Sampson's Textbook of Radiopharmacy, 4th edn, Pharmaceutical Press, London.

Available online

Please note: students will be required to access other suitable texts, journals, electronic catalogues, databases and materials as relevant in order to complete written assessments. Students are also expected to refer to a range of reference materials in order to consolidate their knowledge of specialised procedures.

learnonline course site

All course related materials are available on your learnonline course site which you will be able to access from the 'my Current Studies' section in myUniSA (<https://my.unisa.edu.au>).

Access to Previous Courses

You will have access to your previous course sites for a period of 4 years. After this time, the course sites will be archived and will be unavailable.

Note: course Readings provided via the University Library are only made available to current students and staff due to licensing and copyright restrictions. Students may download their course readings while they are enrolled in the course for their personal research purposes only.

Assessment

Assessment Details

Details of assessment submission and return are listed under each assessment task. Assessment tasks will be returned to you within 15 working days of submission.

Cover sheets

A cover sheet is not required for assessment tasks submitted via learnonline, as the system automatically generates one.

If the Course Coordinator allows submissions in hard copy format, you will be required to attach an Assignment Cover Sheet which is available on the learnonline student help (<https://lo.unisa.edu.au/mod/book/view.php?id=1843&chapterid=567>) and in myUniSA.

Assessment Summary

#	Form of assessment	Length	Duration	Weighting	Due date (Adelaide Time)	Submit via	Objectives being assessed
1	Assignment	2000 words	-	20%	2 Oct 2022, 10:00 PM	learnonline	CO3, CO4, CO5, CO6
2	Portfolio	-	-	50%	See <i>assessment activities for details</i>	See <i>assessment activities for details</i>	CO3, CO4, CO5, CO6
3	Clinical assessment	-	-	30%	See <i>assessment activities for details</i>	See <i>assessment activities for details</i>	CO1, CO2, CO3, CO4, CO5, CO6, CO7

Feedback proformas

The feedback proforma is available on your course site.

Assessments

IT Assignment (Graded)

Re-submission

Re-submission is available for this assessment as per APPM 5.2

Re-marking

Re-marking is available for this assessment as per APPM 5.1

The following Graduate Qualities are being assessed:

1. Operates effectively with and upon a body of knowledge of sufficient depth to begin professional practice
2. Is prepared for lifelong learning in pursuit of personal development and excellence in professional practice
3. Is an effective problem solver, capable of applying logical, critical and creative thinking to a range of problems
4. Can work both autonomously and collaboratively as a professional
5. Is committed to ethical action and social responsibility as a professional and citizen
6. Communicates effectively in professional practice and as a member of the community

INTRODUCTION:

Information management in medical radiation is a complex task as information moves from reception and administration to technologist/radiographer/radiation therapist, to physician/radiologist/radiation oncologist, and then delivered back to the referring doctor. Work flow and information management is often difficult due to a large volume of information and images need to be archived, retrieved and distributed. It is important to note, however that information management includes both computers and the human element.

AIM:

By completing this assignment the student should:

- Be familiar with information management systems utilised in the nuclear medicine clinical environment.
- Develop an understanding of the complex nature of information management in terms of workflow, data storage and distribution.
- Recognise the importance of accuracy and security in healthcare information management systems.

METHOD:

Utilising a combination of research and your own investigations at your clinical site write 2000 words addressing the questions in the following broad categories.

WORKFLOW AND INFORMATION MANAGEMENT

HIS, RIS & PACS are terms often referred to in Nuclear Medicine information management. Research what these acronyms mean and explain how they interact with each other including the characteristics they employ and their influence on the workflow in a nuclear medicine department.

What are the HIS, RIS & PACS systems in use at your clinical site? How do they work together? What other systems have been put in place in order for these systems to communicate? How do the systems in use at your clinical site compare with the research information you found?

-How is the information stored and backed up? How regularly is the information backed up?

-How is electronic information (images & report) returned to the referring doctor? Are there other ways that might be simpler and faster?

-If an error occurred in data input e.g. incorrect spelling, name, marker, what could be the repercussions? Are these errors able to be corrected and by whom?

-What is the billing process for patients at your clinical site? What part does the nuclear medicine technologist play in the patient's billing?

PATIENT CONFIDENTIALITY AND CYBER SECURITY

How is confidentiality of information preserved at your clinical site? Is this effective or could you suggest ways to improve confidentiality in this environment?

Has cyber-hacking occurred in the medical environment in Australia? How has this occurred and what could be the consequences of this type of activity?

IMPORTANT NOTES:

All material which is not the student's own work must be referenced appropriately using the UniSA Harvard (author/date) system. Remember that some of the information needed to complete this assessment task will be anecdotal, ensure you reference this correctly.

Read these instructions in conjunction with the marking criteria.

SUBMISSION:

University formatting is required. Please refer to the 'Further Assessment Information' section of this outline for the relevant information.

Submit your final document in word format via the learn-online submission point on the course page.

Ensure you insert the marking proforma on the last page of your assignment prior to submission

Please do not include your name on any part of the assessment or file name. These assessments will be 'blind-marked' to facilitate a fair marking process.

Failure to submit the assessment by the specified due date will result in a deduction of 10% of the available marks per day including weekends.

Clinical portfolio (Graded)

Assessment Activities

Name	Sub-weighting	Due date (Adelaide Time)	Submit via	Re-Submission	Re-Marking
Clinical Competency Assessment	1%	19 Oct 2022, 3:00 PM	In person, The assignment box on C8	N	N
Written assignment	60%	23 Oct 2022, 10:00 PM	learnonline	Y	Y
Clinical Skills Online Discussion	39%	27 Apr 2022, 10:00 PM	learnonline	Y	Y

Further information on re-marking and re-submission is available in the APPM, Chapter 5

The clinical portfolio is worth 50% of the total marks available for this course and is comprised of three separate assessment components:

- The Clinical Skills online discussion
- The Written Case Report
- The Clinical Competency Assessment

CLINICAL SKILLS ONLINE POST

INTRODUCTION

This assessment is designed to encourage the student to critically analyse and reflect on their own clinical performance in an examination that requires modification of a basic nuclear medicine protocol.

There are two parts to this assessment:

1. Online forum post (1000 words) - **due date 27th April 2022**
2. Online response (approx 250 words) - **due date 5th May 2022**

METHOD:

During your clinical block, choose an examination in which you have been involved in that requires a modification to the basic nuclear medicine protocol employed within the department.

Part 1 - 1000 Words

Present the following information/skills via an online forum post (Part 1, 1000 words).

Examination information and Clinical History: As noted from patient request form. Also include any additional information you have gained from discussions with the patient (highlight as such). Remember confidentiality.

Prior briefing: Describe any tasks and difficulties discussed with the supervising technologist before beginning the examination. If this did not occur, what information did you need to know before commencing the examination?

Clinical History Taking: Discuss the role of the clinical history in your examination. Reflect on how this extra information confirmed or changed your examination from your initial/agreed plan.

Modifications to the protocol and reasons why: describe the modifications and why they were performed – give a brief description of the intent for each modification.

Verbal feedback from supervising technologist: Discuss the verbal feedback received from the supervising technologist. This may be during the examination or after. (You may need to ask for this if none is provided) . Did the technologist give you any useful hints or tips?

What I learnt: This is your space to recount your reflection on the entire process. Discuss any technical or professional skills which you have learnt. This can also include what not to do in a similar situation.

Part 2 - 400 words (max)

For this component, you will be required to read the Part 1 posts made by your peers. Select one Part 1 post and respond (via an online reply). Your response should demonstrate **reflection** on three main themes 1) have you been involved in an examination that required similar modification/s and 2) provide comments on any alternative modification/s that they may not have considered and 3) what have **you** learnt from their post that you may be able to take forward in your own clinical practice.

Please read this information in conjunction with the marking criteria for this assessment.

Failure to submit the online post (part 1 and 2) by the specified due date will result in a deduction of 10% of the available marks per day including weekends.

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WRITTEN CASE REPORT - 2000 words

The following Graduate Qualities are being assessed:

1. operates effectively with and upon a body of knowledge of sufficient depth to begin professional practice
2. is prepared for lifelong learning in pursuit of personal development and excellence in professional practice
3. is an effective problem solver, capable of applying logical, critical and creative thinking to a range of problems
5. is committed to ethical action and social responsibility as a professional and citizen

Task

The student is to select one patient on whom they have performed (or observed having) a Nuclear Medicine procedure/s during their clinical placement. The selected patient must have also undergone at least one other relevant, non-Nuclear Medicine, diagnostic imaging investigation (i.e. CT, MRI or US) prior to or following the Nuclear Medicine procedure/s. The student will be required to produce a 2000 word written case report. The format of the written report should follow similar content to published case reports in the Journal of Nuclear Medicine Technology. See examples at <http://tech.snmjournals.org/>. The selected case/patient does not necessarily have to be complex or out of the ordinary. However, consideration should be given to selecting a case/patient which contains enough material to meet the assessment criteria, and to make an informative case report.

Formatting

- 2000 words maximum (including headings, in-text references and tables, excluding figures and reference list).
- Formatting - see **Assignment Layout** details under 'Further Course Information' in this Course Outline.
- Abbreviations and symbols - Every abbreviation, even those that are well known and in common use must be defined the first time in full and place the abbreviation in parentheses.

References

- Harvard Author-Date style.

The content and order of the case report will vary greatly from case to case. As a guide, the written case report should include the following headings:

TITLE

The title should be short but meaningful. UniSA Allied Health and Human Performance Unit should be listed as the affiliation. The student should **NOT** list themselves as the author (as the marker will be blinded to the author/student writing the case).

Example title- The use of PET and MRI in Hodgkin's Lymphoma: A case report.

Example Affiliation The University of South Australia, Allied Health and Human Performance Unit

ABSTRACT

The abstract should be no more than 100-150 words in length and should be a brief but meaningful overview regarding the content of the report. From the abstract, the reader should be able to determine what the case report will contain (for examples of abstracts, refer to published case reports in various journals).

INTRODUCTION

The introduction should be used to set the scene for the report. Begin by stating relevant clinical history and patient presentation. Give a brief discussion on the reason (clinical indication) for the patient presenting to the nuclear medicine department.

NUCLEAR MEDICINE PROCEDURE

Briefly describe the protocol followed for the Nuclear Medicine study/ies for the selected case/patient. Include any variation/s to the normal protocol and give reason/s. Present the findings from the nuclear medicine study/s and include any relevant de-identified images (if permitted). If images from the selected case are not permitted to be used, you may wish to obtain similar images from the literature to illustrate your case. Including images in the case report are not mandatory.

OTHER IMAGING INVESTIGATIONS (CT / MRI / US)

Include a description of other non-Nuclear Medicine imaging modalities that were performed, either prior to or following the nuclear medicine procedure. Give reason/s for these other investigations being performed in addition to the nuclear medicine study. Present the findings from these investigations and where possible include any relevant, de-identified images. (See above under Nuclear Medicine Procedure if you are not permitted to use the patient images.)

DISCUSSION

This section of the case report should be a detailed discussion on the role of nuclear medicine and other imaging modalities in the evaluation of the patient's clinical problem/issue. It should also include a discussion on how/if nuclear medicine did/will influence the management/treatment of this patient. The discussion should make reference to any relevant literature in this area.

CONCLUSION

This section should summarise the outcomes of the case and highlight the main points.

REFERENCES

Reference list - should follow the Harvard Author-Date style

CONFIDENTIALITY AND CONSENT TO USE PATIENT IMAGES/REPORTS

Students must have a conversation with their clinical supervisor about the case study assignment and individual site requirements for data use and consent.

- Permission must be gained from supervisors to use images and reports (even de-identified) in a case study.
- Check with supervisor for any department specific protocols or requirements (e.g. Patient consent form).
- Remove all identifying information from images and transcribe referrals and reports before removing from the department.
- Failure to comply with University and your departments confidentially obligations may result in termination of your placement and/or further legal action being taken against you.
- Upload a copy of the signed Case study- Supervisor sign-off form as a separate file when you submit your case study assignment to gradebook and place the original copy in your clinical portfolio.

SAMI Departments Protocol for use of patient images/reports-

In addition to the above, SAMI sites (and some private sites) require students to complete a 'Patient consent form' (SAMI Patient consent PDF available on the course site).

- Your supervisor/mentor must be present with you when approaching patients about using their data (images/reports) for this assignment
- When asking permission from the patient, explain what you will be using their data for (case study assignment/educational purposes) and ensure they understand no identifying information will be available on either the images or reports
- Ensure the patient is aware they can withdraw their consent at any time
- Leave a copy of the signed consent in the patient's notes if they are an inpatient or provide a copy to outpatients

Failure to submit the written case report by the specified due date will result in a deduction of 10% of the available marks per day including weekends.

CLINICAL COMPETENCY ASSESSMENT

Weighting: 1%

These assessments are a series of short practical examinations on specific Nuclear Medicine procedures. The recommended **minimum number of Clinical Competencies** which are to be successfully completed whilst in the clinical setting for Nuclear Medicine Clinical Practice 2 is **two (2)**. By the completion of Nuclear Medicine Clinical Practice 2, the student must have completed a minimum of three (3) competencies in total (this includes competencies successfully achieved in Clinical Practice 1).

Refer to the competency table in the Clinical Portfolio for selection of appropriate competencies. Do not attempt a competency you have not completed the theory for (see 'Competency requirement record' table).

The student is required to have completed and signed-off the set number of practice competencies (varies between assessments designated by shading in the table as the minimum number) prior to the competency assessment attempt.

The student is to be supervised and assessed by the Clinical Supervisor or a delegated technologist (ideally someone with more than 12 months Nuclear Medicine experience). The examination components for each competency vary slightly. Please refer to each competency for the examination criteria. The student must reach the level of competency in this assessment for the chosen examination. If you are deemed NOT COMPETENT in any aspect of the examination please do not use this examination as the assessment. This competency can be attempted later when you feel more confident.

It is the student's responsibility to supply the Clinical Supervisor or delegated technologist with the relevant Clinical Competency at the time of assessment and to ensure that the completed Clinical Competency Assessment and the Clinical Portfolio reach the Course Coordinator by the due date specified in this booklet.

The Clinical Competency Assessment and the Clinical Portfolio (Clinical Workbook) should be lodged via the assignment box on C8.

The Clinical Competency Assessments and further information are provided in the Clinical Portfolio.

Failure to submit the completed Clinical Competency Assessments by the specified due date may result in a failure grade for this course.

Clinical supervisor report (Graded)

Assessment Activities

Name	Sub-weighting	Due date (Adelaide Time)	Submit via	Re-Submission	Re-Marking
Summative Clinical Report - Block A	33%	4 May 2022, 3:00 PM	In person, With Clinical Portfolio	N	N
Summative Clinical Report - Block B	67%	19 Oct 2022, 3:00 PM	learnonline, With Clinical Portfolio	N	N

Further information on re-marking and re-submission is available in the APPM, Chapter 5

The Clinical Report comprises both a Formative and Summative component:

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Formative Clinical Report

The Formative Clinical Report will be completed by the clinical supervisor (in collaboration with other mentors involved with that student during the placement) mid-way through the clinical placement as an indicator of progress highlighting strengths and areas for improvement. The formative report does not contribute to the final grade.

The contents of this report should be discussed between the student and clinical supervisor then signed by both parties. The student is to provide a mandatory comment/reflection in the space provided. The student or clinical mentor may request a formative report at any stage during the clinical placement as a way of obtaining or providing additional feedback regarding ongoing progress during clinical placement.

A scanned copy of the formative report should be uploaded to the private dialogue forum once completed. The hard copy formative report should also be submitted along with the summative report by the specified due date.

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Summative Clinical Report

The Summative Clinical Report is completed at the end of the placement by the clinical supervisor in collaboration with other mentors involved with the student during the placement and contributes 30% to the final grade for the course. The contents of the Summative report should be discussed between the student and supervisor and signed by both parties. The student is to provide a mandatory comment/reflection in the space provided.

A separate Summative report must be completed for Block A and Block B (even if returning to the same clinical site). The results of both Summative reports will be weighted accordingly and summed to achieve the final grade.

Students must hand the report forms to their clinical supervisor early in the placement so they have sufficient

time to complete them.

A pass mark of 50% or greater in the Summative Clinical Report is required to pass this course.

A satisfactory grade in the Summative section of 'Safe Practice and Duty of Care' and 'Professional and Ethical Conduct' is required to pass all clinical courses.

It is the student's responsibility to ensure that the completed Clinical Supervisor Reports reach the course coordinator by the specified due date.

Failure to submit the completed Formative and Summative reports by the specified due date will result in a deduction of 10% of the available marks per day including weekends. Not submitting the reports will result in a failure grade for the course.

Submission and return of assessment tasks

ASSIGNMENT SUBMISSION

Assignments handed in (including the Clinical Portfolio folder) using the **assignment box located at the C8 School office will be emptied each business day at 3.30pm**. If an assignment is handed in after this time, it will not be date stamped until the next day.

If submitting electronically you do not require an Assignment cover sheet. Please **DO NOT** use PDF format and **DO NOT place your name in the header or footer of the document** as this makes de-identification for blind marking difficult.

Late submission policy will apply to all assessments (including assignments and clinical portfolio- clinical competency assessments, supervisor's reports, attendance record and other documentation) resulting in a **deduction of 10% of the available marks per day including weekends**.

Please do not attempt to upload an assignment close to the time it is due as **computer or IT malfunction will not be accepted as a reason for special consideration of late submission**. You should not be attempting to upload 10 minutes before the assessment is due to avoid a problem and allow yourself time to seek an alternative method to upload the assessment.

Applications for extensions will only be accepted via the online extension request in Gradebook in line with the University Academic Policy and will be assessed on a case by case basis.

ASSIGNMENT LAYOUT

All written assignments are to be **submitted as a word document to Gradebook** using the following layout:

Page format

Line spacing – 1.5

Font - 12 point

Page margins – 2.5 cm (left and right, top and bottom)

All text in black and white print (images may be in colour)

Abbreviations and symbols

Terms should be spelt out in full rather than being abbreviated. Every abbreviation, even those that are well known and in common use must be defined the first time in full and place the abbreviation in parentheses

WORD COUNT

If a word count is identified the word count will include all in-text referencing and tables, but not the reference list. There is no 10% rule. If students exceed the word count, staff will not mark the additional words.

REFERENCING STYLE

The School of Health Sciences uses the Harvard Author Date style for all referencing by staff and students. Further resources on referencing and the Harvard reference guide can found here: <https://lo.unisa.edu.au/course/view.php?id=3839>.

Failure to reference or acknowledge another person's ideas or work, including previously published material and figures, is considered plagiarism. Plagiarism is a form of academic misconduct and if the actions of a student are indicative of plagiarism, the student will be referred to the School of Health Sciences' academic

integrity officer for further investigation.

Penalties for late submission

Late submission of assessment tasks policy

Late submission of assessment tasks in this course will result in a penalty unless an extension has been granted or the student can provide evidence of unexpected or exceptional circumstances as defined by Section 7.8 in the Assessment Policies and Procedures Manual.

The penalty for late submissions will be:

1. a deduction of 10% of the available marks, for each day (or part thereof) that the assignment is late up to a maximum of 5 days.

Thus, for an assessment item that is one day late the maximum mark available will be 90%, and for two days late 80% etc. By way of example, if a student achieved a mark of 65% for an assignment that was submitted one day late, their adjusted mark would be 65% of a total available mark of 90%, so the mark would be adjusted to 58.5%.

2. assignments which are more than 5 days late may not be assessed and will be assigned a zero grade inclusive of non-graded pass work. Whether or not an assignment that is more than 5 days late will be assessed will be at the discretion of the Course Coordinator.

Exam Arrangements

This course does not have an exam.

Supplementary Assessment

Supplementary assessment or examination has not been approved for this course.

Important information about all assessment

All students must adhere to the University of South Australia's policies about assessment: <http://i.unisa.edu.au/policies-and-procedures/codes/assessment-policies/>.

Additional assessment requirements

Students must meet all requirements of the clinical placements, participate in all pre-clinical workshops and pass the clinical report in order to pass this course.

Students with disabilities or medical conditions

Students with disabilities or medical conditions or students who are carers of a person with a disability may be entitled to a variation or modification to standard assessment arrangements. See Section 7 of the Assessment Policy and Procedures Manual (APPM) at: <http://i.unisa.edu.au/policies-and-procedures/codes/assessment-policies/> and Policy C7 Students with Disability at: <https://i.unisa.edu.au/policies-and-procedures/university-policies/corporate/c-7/>

Students who require variations or modifications to standard assessment arrangements must first register for an Access Plan with the UniSA Access & Inclusion Service. It is important to contact the Access & Inclusion service early to ensure that appropriate support can be implemented or arranged in a timely manner.

Students who wish to apply for an Access Plan must book an appointment with a UniSA Access & Inclusion Advisor by contacting Campus Central or via the Online Booking System in the Student Portal. For more information about Access Plans please visit: <https://i.unisa.edu.au/students/student-support-services/access-inclusion/>

Once an Access Plan has been approved, students must advise their Course Coordinator as early as possible to ensure that appropriate supports can be implemented or arranged in a timely manner.

Students are advised there are also strict deadlines to finalise Access Plan arrangements prior to examinations.

Further information is available at: http://i.unisa.edu.au/campus-central/Exams_R/Before-the-Exam/Alternative-exam-arrangements/

Deferred Assessment or Examination

Deferred assessment or examination is not available for this course. APPM 7.6.5

Special Consideration

Special consideration is available for this course. Note: Special consideration cannot be granted for a deferred assessment or examination, or a supplementary assessment or examination. APPM 7.7.6

Variations to assessment tasks

Details for which variation may be considered are discussed in section 7 of the Assessment Policy and Procedures Manual. Variation to assessment in unexpected or exceptional circumstances should be discussed with your course coordinator as soon as possible.

More information about variation to assessment is available in section 7 of the Assessment Policy and Procedures Manual. <http://i.unisa.edu.au/policies-and-procedures/codes/assessment-policies/>

Students with disabilities or medical conditions please refer to **Students with disabilities or medical conditions**.

Academic Integrity

Academic integrity is the foundation of university life and is fundamental to the reputation of UniSA and its staff and students. Academic integrity means a commitment by all staff and students to act with honesty, trustworthiness, fairness, respect and responsibility in all academic work.

An important part of practising integrity in academic work is showing respect for other people's ideas and being honest about how they have contributed to your work. This means taking care not to represent the work of others as your own. Using another person's work without proper acknowledgement is considered Academic Misconduct, and the University takes this very seriously.

The University of South Australia expects students to demonstrate the highest standards of academic integrity so that its degrees are earned honestly and are trusted and valued by its students and their employers. To ensure this happens, the University has policies and procedures in place to promote academic integrity and manage academic misconduct. For example, work submitted electronically by students for assessment will be examined for copied and un-referenced text using the text comparison software Turnitin <http://www.turnitin.com>.

It is an offence for any person or company to provide academic cheating services to students of Australian universities, irrespective of whether the service is provided by an Australian or overseas operator (see [Tertiary Education Quality and Standards Agency Amendment \(Prohibiting Academic Cheating Services\) Bill 2019](https://www.legislation.gov.au/Details/C2020A00078) - <https://www.legislation.gov.au/Details/C2020A00078>). "Academic cheating services" includes providing or undertaking work for students, where that work forms a substantial part of an assessment task.

More information about academic integrity and what constitutes academic misconduct can be found in Section 9 of the Assessment Policies and Procedures Manual (APPM): <http://i.unisa.edu.au/policies-and-procedures/codes/assessment-policies/>.

To learn more on academic integrity and how to avoid academic misconduct, please refer to the Academic Integrity Module: <https://lo.unisa.edu.au/mod/book/view.php?id=252142>

Further Assessment Information

CLINICAL PLACEMENT ATTENDANCE

The CPU will roster the student via the 'My placement' rostering system to a clinical department for a total of 6 weeks during CP2B in accordance with the published teaching schedule for the Bachelor of Medical Radiation Science (Nuclear Medicine) program.

Students are required to attend all scheduled clinical days, subject to the Clinical Attendance policy of this program. This policy can be found via the CPU website: <https://i.unisa.edu.au/students/health/cpu/forms/>. If a student is **unable to attend clinical placement due to compassionate or medical reasons**, he/she must **contact the clinical supervisor at their placement site no later than 9.00am on the day of absence and email the Course Coordinator**. The clinical supervisors' details can be found on the CPU website.

It is compulsory for students to have a **minimum 30 minutes break for lunch** away from the Nuclear Medicine scanning area, preferably outside of the department completely. This is for the students' welfare as well as the staff and patients at the clinical sites. Students are required to record on their Attendance Record the date, actual start and finish times (even if the clinical Mentor allows the student to leave the clinical site earlier than anticipated), lunch breaks and total hours per day for each full day (7.5 hours) attended at the clinical placement. Total clinical hours will be calculated based on students having a minimum 30 minute break for lunch and this break cannot be substituted for missed clinical time. Tea breaks may be given at the discretion of the clinical supervisor or the delegated clinical mentor.

Pre-clinical workshops

The pre-clinical workshops are considered part of the clinical experience. It is therefore mandatory for students to attend all pre-clinical workshop sessions. Important clinical information will be discussed at and students will have the opportunity to ask questions about any aspect of clinical placement. Students must attend and participate in all pre-clinical workshops in order to pass this course, including completion and submission of all set tasks. **An attendance record will be kept and any missed days will need to be made up as extra days on clinical placement and/or the completion of a report or assigned task on the missed clinical information/session(s).**

Required attendance/participation:

CP2A Pre-clinical session - 2 hours

CP2A Block - Complete and submit all assigned tasks

CP2B Pre-clinical workshop- 1 week or 25 hours

CP2B Clinical practice - 6 weeks Mon-Fri

Attendance Record

Failure to submit the accurately completed attendance record by the due date, will result in a deduction of 10% of the available course marks per day.

Copies of the Attendance Record and instructions are provided in the Clinical Portfolio. These must be completed by the student. It is the student's responsibility to ensure that the Attendance Record is completed and counter signed each day by the clinical supervisor.

It is the student's responsibility to ensure that the completed Attendance Record and the Clinical Portfolio reach the course coordinator by the due date specified in this outline (or to negotiate an extension if required in advance of the due date).

The Attendance Record and the Clinical Portfolio should be lodged via the assignment box on C8 or posted to the unit address.

Failure to complete the required clinical hours, incorrectly completed attendance record, missing signatures and dates will result in a fail grade for this course.

Action from previous evaluations

A Course Evaluation Instrument (CEI) will be made available to the student towards the end of the course. The completion of this survey is not compulsory, however, feedback provided will be utilised to improve the course and its delivery and your time taken to complete it is greatly appreciated.

Unplanned learnonline outages

Less than 1 hour outage- No impact on assessment due date/time

1 to 4 hour outage. Assessment - Extension considered if outage on assessment due date.

4 to 24 hour outage. Assessment - 24 hour extension considered if outage on assessment due date

Over 24 hour outage. Assessment - 48 hour extension considered if outage on assessment due date.

Course Calendar

Study Period 4 - 2022

Weeks	Topic	Assessment Details (Adelaide Time)
1	11 - 17 April	
2	18 - 24 April	
3	25 April - 1 May	Clinical portfolio: Clinical Skills Online Discussion due 27 Apr 2022, 10:00 PM
4	02 - 8 May	Clinical supervisor report: Summative Clinical Report - Block A due 04 May 2022, 3:00 PM
5	09 - 15 May	
6	16 - 22 May	
7	23 - 29 May	
8	30 May - 5 June	
9	06 - 12 June	
10	13 - 19 June	
11	20 - 26 June	
12	27 June - 3 July	
13	04 - 10 July	
14	11 - 17 July	
15	18 - 24 July	
16	25 - 31 July	
17	01 - 7 August	
18	08 - 14 August	
19	15 - 21 August	
20	22 - 28 August	
21	29 August - 4 September	
22	05 - 11 September	
23	12 - 18 September	
24	19 - 25 September	
25	26 September - 2 October	IT Assignment due 02 Oct 2022, 10:00 PM
26	03 - 9 October	
27	10 - 16 October	
28	17 - 23 October	Clinical portfolio: Written assignment due 23 Oct 2022, 10:00 PM Clinical portfolio: Clinical Competency Assessment due 19 Oct 2022, 3:00 PM Clinical supervisor report: Summative Clinical Report - Block B due 19 Oct 2022, 3:00 PM