



Nuclear Medicine Clinical Practice 2

RADY 3038 Study Period 4 - 2025

Internal - City East Campus

Introduction

Welcome

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

- a three week clinical placement block in April, and
- A clinical workshop at the end of August 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 BJ1-28
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 an intermediate level.

Course Objectives

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

CO1. Demonstrate at a developing level broad and thorough knowledge of scope of clinical skills and practice underpinning Nuclear Medicine including principles, clinical application, procedures, participation with other health care members, information management, confidentiality, scope of practice and role within team.

CO2. Use reflection to assess own performances against professional standards and suggest modifications for further practice at an intermediate level.

CO3. Apply problem solving skills in the clinical setting at a developing level to maintain quality outcomes for the clinical site and the patient.

CO4. Act ethically, professionally and in a safe manner by adhering to relevant codes of conduct, radiation safety guidelines and legislation, University of South Australia's clinical policies and the National Safety and Quality Health Service (NSQHS) standards (where applicable to clinical practice).

CO5. Operate effectively as a responsible practitioner to demonstrate a developing knowledge of nuclear medicine practice incorporating; radiopharmacy, image acquisition and processing, image appraisal, equipment, and radiation safety. Perform examinations of class beginner to intermediate difficulty.

CO6. Demonstrate clinical reasoning skills at an intermediate level.

CO7. Fulfil duty of care and communicate and act with respect to individuals, carers, and colleagues in clinical practice at an intermediate level.

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 (developing 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](https://i.unisa.edu.au/siteassets/policies-and-procedures/docs/academic/a56_student-recording-of-learning-activities.pdf) (https://i.unisa.edu.au/siteassets/policies-and-procedures/docs/academic/a56_student-recording-of-learning-activities.pdf)

Breaches of this Policy contravene the principles of academic integrity, and attract the penalties provided in the [Academic Integrity Procedure](https://i.unisa.edu.au/policies-and-procedures/university-policies/) (https://i.unisa.edu.au/policies-and-procedures/university-policies/).

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

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.'

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.

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 2020, 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

Academic Integrity

Academic integrity is fundamental to the University of South Australia's (UniSA) reputation and the credibility of its staff and students. It reflects the university community's commitment to producing academic work that is , honest, trustworthy, fair, respectful, and responsible, accurately representing the true authorship.

At UniSA, we expect students to demonstrate genuine learning, ensuring that their qualifications earned with integrity and are trusted by both students and their future employers. This means students must present work that reflects their own knowledge while accurately acknowledging the contribution and ideas of others. Presenting work without correct citation is considered Academic Misconduct.

Academic integrity is supported by government legislation and university policies:

Government Legislation: In Australia, providing academic cheating services to university students is illegal, whether the provider is based in Australia or overseas (refer to Tertiary Education Quality and Standards Agency Amendment (Prohibiting Academic Cheating Services) Bill 2019 - <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.

University Policies: UniSA has established and procedures to promote academic integrity and address academic misconduct. More information is available in the Academic Integrity Policy and Procedure (<https://i.unisa.edu.au/policies-and-procedures/university-policies/>). For instance, electronic submissions by students are checked for plagiarism using Turnitin <http://www.turnitin.com>, a text comparison tool.

Course Level Guidance: In addition to university-wide policies, your course instructor may provide specific instruction and guidance regarding the use of tools such as translation software, writing aides, or artificial intelligence in completing learning tasks and assessments. If you are ever unsure about what is permissible, it is important to ask your teaching team.

To learn more about 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>

Use of generative artificial intelligence

The assessment tasks for this course are designed for you to demonstrate your learning.

It is important to recognise that information generated by artificial intelligence tools, can sometimes be unreliable, inaccurate, and incorrect potentially hindering your learning and to achievement of the Learning Outcomes.

You are responsible for complying with the conditions outlined for each assessment task as detailed in the assessment description. Any use artificial intelligence tools must be ethical, responsible and adhere to the assessment conditions.

Using artificial intelligence tools that go beyond the stated assessment conditions will be considered a breach of academic conduct, as per the [Academic Integrity Policy \(AB-69\)](https://i.unisa.edu.au/policies-and-procedures/university-policies/academic/ab-69/) - <https://i.unisa.edu.au/policies-and-procedures/university-policies/academic/ab-69/>

Important information about all assessment

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

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://asklearnonline.unisa.edu.au/app/answers/detail/a_id/2222/kw/coversheet) and in myUniSA.

Assessment Descriptions

Assessment 1

Single		20% of Course Total			Objectives being assessed:CO1, CO3, CO5, CO6, CO7		
Title	Team work	Length	Duration	Due date (Adelaide Time)	Submit via	Re-Submission	Re-Marking
Case Study	No	1500 words	-	26 Oct 2025, 11:59 PM	learnonline	Yes	Yes

Further information on re-marking and re-submission is available in the academic policy, AB-68 P4 Re-marking and Re-submission Procedure

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 1500 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

1500 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

APA 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 APA 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

Assessment 2

Single		30% of Course Total			Objectives being assessed:CO1, CO3, CO4, CO5, CO6		
Title	Team work	Length	Duration	Due date (Adelaide Time)	Submit via	Re-Submission	Re-Marking
IT Essay	No	2000 words	-	5 Oct 2025, 11:59 PM	learnonline	Yes	Yes

Further information on re-marking and re-submission is available in the academic policy, AB-68 P4 Re-marking and Re-submission Procedure

Please refer to the assignment information and marking rubric on the course site for full assignment information.

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Introduction/Background:

Information technology (IT) management in Nuclear Medicine departments comprises a complex range of tasks and processes. Patient information is transferred from reception to a range of multi-disciplinary team members and then delivered back to the referring doctor.

Workflow and information management are often difficult because a large volume of information and images need to be archived, retrieved, and distributed.

It is important to note that information management is not only reliant on computers but also on the health professionals using it.

This assignment aligns with the MRPBA capabilities relating to use of clinical information management systems, managing this information, responding to data errors and system failures, and understanding the legislation surrounding medical data privacy.

The Scenario:

You are working within the Horizon University Hospital. This fictional hospital is a public regional tertiary hospital located 100kms south of the nearest capital city in Australia. The Horizon University Hospital is a 420 tertiary referral centre receiving patients from a large regional catchment including paediatric and obstetric services. It is a regional trauma centre with all major surgical specialities on site. Medical Imaging, Nuclear Medicine and Radiation Therapy services are on site.

The Horizon University Hospital has summarised the IT provision in the Nuclear Medicine department. Please see the accompanying "Horizon University Hospital IT infrastructure" document to provide background information for this assessment. You may reference this document, but you should research widely around this topic and use a wide range of references.

You may speak to your clinical site about their IT arrangements, but this is not a requirement of the assessment. You should not rely on your clinical site for information or request written information, relevant written information relevant to the site is collated and provided in the form of the "Horizon University Hospital IT Infrastructure". This assessment is designed to be written in the context of a generic hospital and information should primarily be sourced from your own research.

Written Assignment task:

There are 8 topics that require responses utilising a combination of wider research and reference to the given resource relevant to the Horizon University Hospital.

Inclusion of appropriate images, flow charts or diagrams are encouraged (remember to reference these inclusions though).

Topic 1: Definition of terms

HIS, RIS and PACS are terms often referred to in Nuclear Medicine information management.

What do these acronyms stand for and describe the function of each system?

Topic 2: System integration

This topic relates to the appropriate management of clinical information (information and images) and the workflow that occurs between the different systems.

What are the specific HIS, RIS, & PACS in use the Horizon University Hospital?

How do these important systems work practically together to ensure effective workflow for both the patient and the technological information? Include in your response any other complimentary systems that are a necessary part of the communication processes between HIS/RIS/PACS systems.

(Remember you can help to demonstrate your written response with flowcharts, etc. All non-text inclusions also require intext referencing)

Topic 3: Data back-up

How are the various IT systems information stored and backed up?

(This topic does not need to relate to the process at Horizon University Hospital so your response can be from a general Nuclear Medicine department aspect, or a combination of both.)

Topic 4: Rectifying errors

This topic relates to errors that occur in data input and the required responses to these errors to ensure stored clinical information (information and images) is correct.

If an error occurs in data input (i.e. incorrect spelling, name, label etc) how can errors be corrected and by whom?

If the errors are not corrected, what are the potential repercussions?

(This topic does not need to relate to the process at Horizon University Hospital so your response can be from a general Nuclear Medicine department aspect, or a combination of both.)

Topic 5: Data flow

This topic relates to ensuring that clinical information is made available to the appropriate persons involved in the care of the patient

How is electronic information (images & report) returned to the referring practitioner(s)?

How does this transfer of information process alter depending on the urgency of the clinical situation?

Topic 6: Billing

Research and describe the relationship between Medicare and Diagnostic Imaging Services.

Include in your answer the responsibilities of the technologists that relate to billing and the consequences of incorrect billing.

Topic 7: Privacy and Confidentiality

This topic relates to understanding legislation (federal and or state) about privacy of data and how confidentiality plays an important part in clinical practice at all levels.

Are there Australian and or state legislations surrounding medical data privacy?

How is all patient information confidentiality preserved at your clinical site?

Suggest ways that you believe may improve confidentiality in this environment – these may be simple tasks that as medical radiation practitioners we undertake every day or even suggested departmental changes.

Topic 8: Privacy breaches

This topic relates to breaches in data privacy and the effects.

Provide recent examples of medical data breaches that have occurred in Australia.

What could be the consequences of this type of activity to the business and the individual to which the breach of data has occurred?

What penalties are there set in place in Australia and globally for breaches of patient's medical information?

Word Count – 2000 words total (includes all in-text references but not reference list or appendices). Additional words over the word count will not be assessed as part of the submission. Note – you do not need to duplicate the full questions in your essay as this will contribute to word count.

Assessment 3

Multiple		50% of Course Total			Objectives being assessed: CO1, CO2, CO3, CO4, CO5, CO6, CO7			
Title	Team work	Length	Duration	Sub-weighting	Due date (Adelaide Time)	Submit via	Re-Submission	Re-Marking
Clinical Supervisor report	No	-	-	80%	22 Oct 2025, 3:00 PM	In person	No	No
Clinical Competency	No	-	-	10%	22 Oct 2025, 3:00 PM	In person	No	No
Clinical Documentation	No	-	-	10%	22 Oct 2025, 3:00 PM	In person	No	No

Further information on re-marking and re-submission is available in the academic policy, AB-68 P4 Re-marking and Re-submission Procedure

Clinical Report

The clinical report comprises both a Formative and Summative component. The summative mark comprises 80% of the "Placement" component of your grade.

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 formative report will be requested mid CP2A and Mid CP2B. 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.

Summative Clinical Report

The Summative Clinical Report is completed at the end of both CP2A and CP2B by the clinical supervisor in collaboration with other mentors involved with the student during the placement. 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 Reports reach the Course Coordinator by the due date specified in this booklet.

Competency Assessment

These assessments are a series of short practical examinations on specific Nuclear Medicine procedures. The minimum number of Clinical Competencies which are to be successfully completed whilst in the clinical setting for Nuclear Medicine Clinical Practice 2 is two. By the completion of CP2 the student must have completed a minimum of 3 competencies. The "Competency Assessment" comprises 10% of the "Placement" component of your grade.

The student is to be supervised and assessed by the Clinical Mentor or a delegated technologist.

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.

The student must be deemed competent in all aspects of the competency to achieve a pass for this assessment. The examination components for each competency vary slightly. Please refer to each competency for the examination criteria.

Completion of two Clinical Competencies are a compulsory component of this course.

It is the student's responsibility to supply the Clinical Mentor 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 Workbook reach the Nuclear Medicine Clinical Educator and/or Course Coordinator by the due date specified in this booklet. The Clinical Competency Assessment and the Clinical Workbook should be lodged via the assignment box on C8 or posted to the school address (see school contact details) with an assignment cover sheet attached.

The Clinical Competency Assessments are provided in the Clinical Workbook.

Clinical Documentation

It is a course requirement to ensure adherence to documentation and UniSA Policies related to clinical placement. Expectations of this aspect of the "Placement" component of your grade can be found in the relevant assessment rubric. The "Clinical Documentation" comprises 10% of the "Placement" component of your grade.

Feedback proformas

The feedback proforma is available on your course site.

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.

Additional assessment requirements

Students must attend all scheduled clinical days (subject to the clinical attendance policy of this program), meet all requirements of the placement, participate in all pre-clinical workshops, and pass the placement to pass this course.

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.

Word Limit

If a word count is identified the word count will include all in-text referencing, headings and sub-headings and tables, but not the reference list. If students exceed the word count, they will be penalised by staff not marking the 'additional' words.

Exam Arrangements

This course does not have an exam.

Deferred Assessment or Examination

Deferred assessment or examination is not available for this course. See the [Variations to Assessments Procedure](http://i.unisa.edu.au/policies-and-procedures/codes/assessment-policies/) (<http://i.unisa.edu.au/policies-and-procedures/codes/assessment-policies/>).

Supplementary Assessment

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

Special Consideration

Special consideration is not available for this course. See the [Variations to Assessment Procedure](http://i.unisa.edu.au/policies-and-procedures/codes/assessment-policies/) (<http://i.unisa.edu.au/policies-and-procedures/codes/assessment-policies/>).

Variations to assessment tasks

Details for which variation may be considered are discussed in the [Variations to Assessments Procedure](http://i.unisa.edu.au/policies-and-procedures/codes/assessment-policies/) (<http://i.unisa.edu.au/policies-and-procedures/codes/assessment-policies/>). 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 the [Variations to Assessments Procedure](http://i.unisa.edu.au/policies-and-procedures/codes/assessment-policies/) (<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**.

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 the Variations to Assessment Procedure 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/

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.

In response to Course Evaluations 2023 written assessment within this course has been reduced.

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 - 2025

Weeks	Topic	Assessment Details (Adelaide Time)
1	14 - 20 April	
2	21 - 27 April	
3	28 April - 4 May	
4	05 - 11 May	
5	12 - 18 May	
6	19 - 25 May	
7	26 May - 1 June	
8	02 - 8 June	
9	09 - 15 June	
10	16 - 22 June	
11	23 - 29 June	
12	30 June - 6 July	
13	07 - 13 July	
14	14 - 20 July	
15	21 - 27 July	
16	28 July - 3 August	
17	04 - 10 August	
18	11 - 17 August	
19	18 - 24 August	
20	25 - 31 August	
21	01 - 7 September	
22	08 - 14 September	
23	15 - 21 September	
24	22 - 28 September	
25	29 September - 5 October	IT Essay due 05 Oct 2025, 11:59 PM
26	06 - 12 October	
27	13 - 19 October	
28	20 - 26 October	Clinical Supervisor report due 22 Oct 2025, 3:00 PM Clinical Documentation due 22 Oct 2025, 3:00 PM Clinical Competency due 22 Oct 2025, 3:00 PM Case Study due 26 Oct 2025, 11:59 PM