



Introduction

Welcome

Hello and welcome to Advanced Vascular Sonography - RADY 5034. My name is Kate and I am the Course Coordinator, as well as the Vascular Stream Coordinator - If you have enrolled in RADY 5034, you are either

- **Post graduate students enrolled in Vascular Stream** - Level 2 Course or
- **Qualified sonographers enrolled in Master's Elective** - Level 3 Course

If neither relate to you, please email me as soon as possible.

The aim of this course is to provide you with necessary skills and knowledge to perform vascular sonographer confidently and competently at an advanced level. ADDITIONALLY, we seek to develop the clinical competencies with foundations in autonomy judgment, adaptability and responsibility which is integral in clinical practice.

The course is structured in modules will allow you to work your way through the semester building knowledge and understanding.

Each topic will have recordings and readings, and there will be virtual classrooms regularly - You will be required to participate in some virtual classrooms. Dates for these will be made available on the learnonline pages.

Assessment details can be found in this document and on the learnonline pages. It is necessary that you attempt all assessments as well as pass the final exam to be eligible to pass this Course. For post graduate students there is a co requisite obligation as well.

Should circumstances present themselves that require an extension for assessment work, please apply via the learnonline pages - but remember, holidays or weddings are not considered circumstances in which you would require an extension - you need to plan your time carefully and that is important in relation to your studies.

Extension requests are located on the learnonline pages

You must be available during the entire exam period as exam dates are not available until a few weeks before the actual date, and this is decided by the Student Academic Services (SAS) Exam team.

It is important that you access your university emails AND the learnonline discussion board at least once a week- You should be managing your time efficiently throughout the semester - there is an expectation that you should be spending at least 10 hours per week on your studies

I am here to help you succeed – I am contactable via email and can arrange for confidential catch up if required. (It is important to use your university email account and state which course you are studying when emailing).

Although we are all online and studying externally we are here together to navigate your way through this course successfully.

All the best for your studies in this course, I look forward to working with you all.

Best wishes

Kate

PLEASE READ THIS COURSE OUTLINE DOCUMENT CAREFULLY AS IT CONTAINS IMPORTANT

INFORMATION IN REGARD TO THIS COURSE.

Academic Work Definitions

External mode includes online, distance education, industry placement or directed research. Virtual classrooms are deemed to be an external mode of delivery. External mode does not normally include a face to face component, however some courses offered in external mode may require a small component of on-campus activity, or practical sessions.

The expectations of your activity and preparation for each course will be aligned to the activity being undertaken. For example, if you are studying externally and there are virtual lectures, your preparation would be as listed under the lecture section of this guide.

You may also be supported through online facilitation, with preparation required, and other learning activities provided in your course, that will each have specific preparation requirements for you. These requirements should be set out in individual course guides.

Peer Interaction is usually included in UniSA courses in both external and internal modes of delivery and is considered a critical element of the learning process that may involve activities, projects, discussion forums, presentations, practicals, workshops.

Online facilitation

Student information

Online courses generally require students to independently read, view and/or work through all required materials, including pre-recorded presentations that have been produced and provided to facilitate this form of learning.

Independent online learning is supported by Online Facilitators who supplement online teaching resources by facilitating, monitoring and moderating online forums; answering student queries via virtual office hours or help desks, online dialogue and/or phone conversations, providing formative feedback on your work or explaining comments and marking of your prior work.

Students are expected to be familiar with all relevant course content, including materials provided and assessments, and engage appropriately with facilitators within the timeframes provided.

Course Teaching Staff

Online Course Facilitator:	Ms Kate Lamb
Location:	UniSA Allied Health & Human Performance BJ1-16
Telephone:	+61 8 8302 2637
Email:	Kate.Lamb@unisa.edu.au
Staff Home Page:	people.unisa.edu.au/Kate.Lamb

* 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/>

Course Overview

Prerequisite(s)

Group Courses

Students must have completed all courses in any of the following group(s).

Group 2

RADY 5013 Abdominal Sonography
RADY 5016 Vascular Sonography
RADY 5024 Professional Issues for Sonographers
RADY 5030 Ultrasound Physics and Instrumentation
RADY 5036 Cardiovascular Anatomy and Embryology
RADY 5037 Cardiovascular Physiology and Pathology

Prerequisite Comments

Students need to meet the requirements of one of the following prerequisites: IMSO General stream prerequisite - Students must be an Accredited Medical Sonographer or equivalent IGSO/IMSO Vascular stream students - See courses listed IGSO/IMSO (Vascular) students must be in a Vascular Sonography training position. Placement details are to be evidenced and confirmed prior to census date.

Corequisite(s)

Corequisite Comments

IGSO/IMSO (Vascular) students must complete at least 200 vascular ultrasound examinations per study period. IMSO (General) students must be engaged in ultrasound procedures for a minimum of 200 hours.

Course Aim

Develop advanced skills and knowledge required for vascular sonography.

Course Objectives

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

CO1. Autonomously plan and describe the implementation of specialised vascular ultrasound examinations including peripheral, cerebrovascular, and visceral systems as well as for organ transplant evaluations.

CO2. Adapt examinations based on physical and pathological variations between patients, and those who have undergone interventional procedures.

CO3. Discuss the principles of plethysmography and other non-imaging techniques that complement Duplex ultrasound to provide a clinical picture for patients with advanced peripheral vascular disease.

CO4. Translate research and advances in vascular imaging into practice.

CO5. Demonstrate continual progression through supervised clinical training requirements.

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	•	•	•	•	•	•

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

Anatomy of the peripheral vascular system including the internal and external cranial and abdominal vascular tree; knowledge of advanced vascular ultrasound techniques and non-imaging tests that complement vascular laboratory requirements; surgical mapping and implications for follow-up investigations; vascular ultrasound of organ transplants; the use of ultrasound in partnership with other diagnostic imaging modalities.

Teaching and Learning Arrangements

External (Online)	13 weeks
Workshop (On Campus - Optional)	7 hours

Unit Value

4.5 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/).

Learning Resources

Textbook(s)

You will need continual access to the following text(s) to complete this course. Where possible the Library will make the book available for student use. Please check the Library catalogue before purchasing the book(s). The Library will always seek to purchase resources that allow an unlimited number of concurrent users, however availability is dependent on license arrangements with book publishers and platforms. <http://www.library.unisa.edu.au>

- *Online resources will be advised.*

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 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 qualifications 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 the [Academic Integrity Policy and Procedure](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>).

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>

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		10% of Course Total			Objectives being assessed:CO1, CO2, CO3, CO4, CO5			
Title	Team work	Length	Duration	Due date (Adelaide Time)	Submit via	Re-Submission	Re-Marking	
Part A: Assessment Plan	No	-	7 mins	10 Sep 2023, 11:00 PM	learnonline	Yes	No	

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

Details of this assessment can be found in the learnonline pages.

ALL assessment pieces must be attempted to be eligible to successfully pass this course

Assessment 2

Single (Continuous)		20% of Course Total			Objectives being assessed:CO1, CO2, CO3, CO4			
Title	Team work	Length	Duration	Sub-weighting	Due date (Adelaide Time)	Submit via	Re-Submission	Re-Marking
Quiz 1	No	-	10 mins	25%	13 Aug 2023, 11:00 PM	learnonline	No	No
Quiz 2	No	-	10 mins	25%	27 Aug 2023, 11:00 PM	learnonline	No	No
Quiz 3	No	-	10 mins	25%	8 Oct 2023, 11:00 PM	learnonline	No	No
Quiz 4	No	-	10 mins	25%	29 Oct 2023, 11:00 PM	learnonline	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

There are **4 online quizzes** evenly weighted that are spread throughout the semester

The online quizzes are designed to reinforce your knowledge and understanding of the key concepts in the study modules and prepare you for the end of semester exam.

Details about the quizzes can be found on the learnonline pages

You must **attempt all of the assessment pieces** linked to this course to be eligible to pass this course.

Assessment 3

Single		50% of Course Total			Objectives being assessed:CO1, CO2, CO3, CO4, CO5			
Title	Team work	Length	Duration	Due date (Adelaide Time)	Submit via	Re-Submission	Re-Marking	
Final Online Exam	No	-	3 hours	Other - TBA	learnonline	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

Changes to the final exam format for SP5-2023

The date and time will be scheduled by SAS and you will get information on your schedule via SAS in your university emails. Please check emails and learn-online sites regularly. The exam will be for 120 marks and for 3 hours duration to allow for file uploads and technical issues.

Students will be provided with a practice exam during revision time.

Students need to test their own internet connectivity before they sit the exam.

More updates will follow in the learn-online site

Assessment 4

Multiple		20% of Course Total			Objectives being assessed:CO1, CO2, CO3, CO4, CO5			
Title	Team work	Length	Duration	Sub-weighting	Due date (Adelaide Time)	Submit via	Re-Submission	Re-Marking
MAJOR ASSIGNMENT Clinical Decision Making	No	-	10 mins	75%	16 Oct 2023, 11:00 PM	learnonline	Yes	No
CDM Reflection	No	300 words	-	25%	16 Oct 2023, 11:00 PM	learnonline	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

The major assessment is Clinical Decision Making assessment which will incorporate both presentation and reflection.

Details of this major assessment can be found on the learnonline pages

ALL assessment pieces must be attempted to be eligible to successfully pass this course

Feedback proformas

The feedback proforma is available on your course site.

Additional assessment requirements

Students must submit each assessment component and pass the examination to obtain a pass for this course.

Additionally, IGSO/IMSO (Vascular) students must submit a Clinical Progress Report at the end of the study period to obtain a pass for this course. The Clinical Progress Report verifies that the student has met the corequisite that they are engaged in ultrasound examinations for a minimum of 200 hours during the study period, under the supervision of a qualified sonographer.

Marking process

Students will receive grades for individual assessment items and a final grade at the end of the study period.

Moderation in this course will be carried out in accordance with processes set out in the Assessment and Moderation guidelines.

Students must attempt each component satisfactorily and pass the exam in order to obtain a pass for this course as per accreditation requirements.

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: 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%.

Exam Arrangements

This course includes an online exam as part of the assessment. You will receive advanced notice of the scheduled online exam. All exams will be scheduled in South Australian time. You are required to sit your examination online at the scheduled South Australian date and time irrespective of any conflict with planned holiday or special event or regular work commitment, including students sitting in other time zones in Australia or internationally ([Examination Procedure, B12](http://i.unisa.edu.au/policies-and-procedures/codes/assessment-policies/), <http://i.unisa.edu.au/policies-and-procedures/codes/assessment-policies/>).

Deferred Assessment or Examination

Deferred assessment or examination is available for this course.

Supplementary Assessment

Supplementary assessment or examination offers students an opportunity to gain a supplementary pass (SP) and is available to all students under specific conditions unless supplementary assessment or examination has not been approved for the course.

Specific conditions and further information is available in 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/>

Supplementary assessment or examination offers students an opportunity to gain a supplementary pass (SP) for which a 50% (percent) grade will be awarded.

A supplementary assessment or examination may be granted to all students under specific conditions unless supplementary assessment or examination has

not been approved for the course.

More information about supplementary assessment is available in section 7.4 of the **Assessment Policy and Procedures Manual**.

<http://i.unisa.edu.au/policies-and-procedures/codes/assessment-policies/>

Special Consideration

Special consideration is available for this course.

Variations to assessment tasks

Details for which variation may be considered are discussed in 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/>). 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 Assessment 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](http://i.unisa.edu.au/policies-and-procedures/codes/assessment-policies/) at: <http://i.unisa.edu.au/policies-and-procedures/codes/assessment-policies/> and Policy C7 [Students with Disability](https://i.unisa.edu.au/policies-and-procedures/university-policies/corporate/c-7/) 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

Towards the end of the course we would ask that you access the Course Evaluation Questionnaire available on the course learnonline page. In order to keep our courses at a high standard we rely on feedback from you, so please take a little time to complete this questionnaire.

Feedback from students has helped improve the online resources on the learnonline site.

Course Calendar

Study Period 5 - 2023

	Weeks	Topic	Notes	Assessment Details (Adelaide Time)
	10 - 16 July	Pre-teaching		
	17 - 23 July	Pre-teaching		
1	24 - 30 July	Module 1	Week 1 - Non invasive/ non imaging testing	
2	31 July - 6 August	Module 1	Week 2- Peripheral Arterial Imaging lower limb	
3	07 - 13 August	Module 1	Week 3- Upper limb Arterial Imaging	Quiz 1 due 13 Aug 2023, 11:00 PM
4	14 - 20 August	Module 2	Week 1 Extra cranial imaging	
5	21 - 27 August	Module 2	Week 2 Intracranial Imaging	Quiz 2 due 27 Aug 2023, 11:00 PM
6	28 August - 3 September	Module 3	Cardiovascular interventional procedures	
7	04 - 10 September	Module 4	Week 1 Splanchnic circulation	Part A: Assessment Plan due 10 Sep 2023, 11:00 PM
8	11 - 17 September	Module 4	Week 2 Transplant Week	
	18 - 24 September	Mid-break		
	25 September - 1 October	Mid-break		
9	02 - 8 October	Module 5	Aneurysmal	Quiz 3 due 08 Oct 2023, 11:00 PM
10	09 - 15 October	Module 6	Week 1 Advances in venous ultrasound:	
11	16 - 22 October	Module 6	Week 2 Upper limb Venous	MAJOR ASSIGNMENT Clinical Decision Marking due 16 Oct 2023, 11:00 PM CDM Reflection due 16 Oct 2023, 11:00 PM
12	23 - 29 October	Module 7	Week 1 Vascular Access and the AV fistula	Quiz 4 due 29 Oct 2023, 11:00 PM
13	30 October - 5 November	Module 7	Week 2 Cardiac and other influences on peripheral Doppler	
	06 - 12 November	Swot-vac		
	13 - 19 November	Exam week		
	20 - 26 November	Exam week		