

RADI 7012 PRACTICE OF VASCULAR SONOGRAPHY 2

Credit Points 10

Legacy Code 401295

Coordinator Donna Oomens ([https://directory.westernsydney.edu.au/search/name/Donna Oomens/](https://directory.westernsydney.edu.au/search/name/Donna%20Oomens/))

Description Content in this subject will be an extension of the knowledge and skills developed in Practice of Sonography 1. Students will learn to perform more extensive vascular examinations and will develop their professional and ethical attributes. Learning in the subject, which includes a work-integrated learning component, will consolidate foundational vascular skills in vascular sonography.

School Medicine

Discipline Radiography

Student Contribution Band HECS Band 2 10cp

Check your fees via the Fees (https://www.westernsydney.edu.au/currentstudents/current_students/fees/) page.

Level Postgraduate Coursework Level 7 subject

Pre-requisite(s) RADI 5001 - Physics for Diagnostic Ultrasound
RADI 7011 - Practice of Vascular Sonography 1

Co-requisite(s) RADI 6001 - Pathophysiology in Diagnostic Ultrasound

Restrictions

Students must be enrolled in 4765 Graduate Diploma in Vascular Sonography

Assumed Knowledge

Basic human anatomy, physiology and mathematics.

Learning Outcomes

On successful completion of this subject, students should be able to:

1. Implement imaging protocols in the practice of sonography.
2. Produce and appraise diagnostic images through apt ultrasound machine optimisation and transducer manipulation.
3. Execute accurate measurements based on anatomical and physiological understanding to support diagnostic decisions.
4. Differentiate between normal and abnormal features on ultrasound imaging.
5. Investigate communication styles appropriate to meeting patient needs and supporting healthy and safe professional relationships.
6. Document a range of continuing clinical experiences, integrating lifelong learning skills

Subject Content

Module 1: Sonographic Practice 2

- I. Imaging in vascular sonography
- II. Measurements in Vascular sonography

Module 2: Professional & Ethical Practice 2

- I. Professional Communication
- II. Ethical practice
- III. Work health and safety & ergonomics
- IV. Professional Development

Module 3: Speciality Imaging Skills 2

- I. Non-imaging physiological testing 2
- II. Basic scanning protocols
- III. Emergencies in the practice

Special Requirements

Legislative pre-requisites

Legislative requirements (such as a criminal record check) are not deemed necessary for students in the vascular ultrasonography course. For students who complete their clinical training in a NSW public hospital, the necessary legislative requirements will be part of their employment conditions. Clinical training for many of the students will be in a private setting, where the necessary requirements (which are likely to differ from public institutions) will be addressed as needed. Training for some students will occur in locations other than NSW (where legislative requirements can be competed if, and when required).

Special Requirements - NSW Health Legislative Prerequisites Pre-requisites

Student Compliance Information for all Health-Related Placements

Prior to enrolling in this subject, students must have submitted a Student Undertaking Form and undertake to apply for a National Police Check, which is required to be submitted before placement, and a Working with Children Check Student Declaration. Use the link to the Special Requirements webpage below for more information.

To be eligible to enrol in this subject and complete any required health-related placements or experiences, students must meet Western Sydney University program requirements as well as any special, legislated, or policy-mandated requirements.

Western Program Requirements

Visit the Special Requirements webpage for details about your program.

Special Requirements (https://www.westernsydney.edu.au/currentstudents/current_students/enrolment/special_requirements/)

Mandatory NSW Health student placement policy requirements

To be able to undertake placement in any NSW Health facility you must be assessed as compliant with NSW Health student placement policy in the first year of your program, regardless of when you expect to go on your first placement. Access and read the NSW Student Compliance Information Booklet.

NSW Student Compliance Information Booklet (https://www.westernsydney.edu.au/placements_hub/placements_hub/student_compliance/)

Please ensure that you

1. Find your existing National Police Check or apply for one
2. Gather documentary evidence of your vaccination history
3. Print and complete all relevant NSW Health forms relevant to the campus you are enrolled at or online enrolment requirements
4. Follow booklet instructions on how to have your compliance documents assessed by NSW health staff.

International students have additional requirements; the link to the booklet will inform you of these requirements.

School Requirements

Contact your School for further details regarding your School's requirements, if any, such as

- If you live outside of NSW or Australia and need to meet your state, territory or country's compliance requirements
- If you need to meet different state, territory or country compliance requirements.
- NSW Working with Children Check (WWCC) or other state equivalent, valid for your entire program.
- Current approved first aid certificate valid for your entire program - approved program providers can be found at the Government Training website
- <http://training.gov.au> (<http://training.gov.au/>)
- Other non-health related requirements.

Student Compliance Resources are also available on the Placements Hub web page (NSW students only)

https://www.westernsydney.edu.au/learning_futures/home/placements_hub/placements_hub/student_compliance (https://www.westernsydney.edu.au/learning_futures/home/placements_hub/placements_hub/student_compliance/)

Essential equipment

Students will need a computer and internet access to use the e-learning platform.

Assessment

The following table summarises the standard assessment tasks for this subject. Please note this is a guide only. Assessment tasks are regularly updated, where there is a difference your Learning Guide takes precedence.

Type	Length	Percent	Threshold	Individual/ Group Task	Mandatory
Professional Task	20 images with 750 words	20	N	Individual	N
Quiz	90 minutes	30	N	Individual	N
Practical Exam	2 hours	50	Y	Individual	Y
Portfolio	400 entries including reflective learning activities	S/U	Y	Individual	Y

Prescribed Texts

- Myers K, Clough A. Practical Ultrasound: an illustrated guide. 3rd Ed. London: CRC Press; 2014
- Schaberle, W. Ultrasonography in vascular diagnosis: a therapy-oriented textbook and atlas(Internet).2018.Available from: <http://ezproxy.uws.edu.au/login?url=https://ebookcentral.proquest.com/lib/uwsau/reader.action?docID=5494664&query=9783319649979> (<http://ezproxy.uws.edu.au/login/?docID=5494664&query=9783319649979>)

Teaching Periods

Spring (2024)

Campbelltown

Hybrid

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View timetable (https://classregistration.westernsydney.edu.au/even/timetable/?subject_code=RADI7012_24-SPR_CA_3#subjects)

Spring (2025)

Campbelltown

Hybrid

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