

# RADI 7011 PRACTICE OF VASCULAR SONOGRAPHY 1

Credit Points 10

Legacy Code 401293

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

**Description** This unit introduces students to the practice of vascular sonography. Students will learn how to acquire and optimise ultrasound images and to make basic measurements. In addition, they will learn to draw conclusions about cardiovascular anatomy and function based on the images and measurements, as well as learning how to write a basic report. The skills learnt in this unit, which includes work-integrated learning, provides foundational skills in vascular sonography.

**School** Medicine

**Discipline** Radiography

**Student Contribution Band** HECS Band 2 10cp

**Level** Postgraduate Coursework Level 7 subject

**Co-requisite(s)** RADI 7015

**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. Determine the key operational aspects of ultrasound machines (CLO 2)
2. Position and manipulate ultrasound transducers to produce diagnostic quality images (CLO 4)
3. Generate accurate measurements of vascular structures for reporting health professionals (CLO 4)
4. Formulate conclusions from acquired images to inform health professionals (CLO 5)
5. Communicate key ultrasound findings in a written report (CLO 5)

## Subject Content

Vascular measurements I  
 Ultrasound machine operation  
 Essentials of non-imaging physiology measurements  
 Image acquisition and measurement I  
 Ultrasound image acquisition  
 Sonographer Communication I  
 Descriptive report writing

## Special Requirements

Legislative pre-requisites

## Special Requirements - NSW Health Legislative Prerequisites

### 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/](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://issuu.com/uwspublications/docs/wsu\\_student\\_compliance\\_booklet\\_2020\\_v6/](https://issuu.com/uwspublications/docs/wsu_student_compliance_booklet_2020_v6/))

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

[www.westernsydney.edu.au/learning\\_futures/home/placements\\_hub/placements\\_hub/student\\_compliance/](http://www.westernsydney.edu.au/learning_futures/home/placements_hub/placements_hub/student_compliance/)

## 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.

Item	Length	Percent	Threshold	Individual/ Group Task
Applied Project	20 entries	20	N	Individual
Practical Exam	120 mins	50	Y	Individual
Final Exam	90 mins	30	N	Individual
Log/ Workbook	200	S/U	Y	Individual

### Prescribed Texts

- Schaberle W. Ultrasonography in vascular diagnosis: a therapy-orientated textbook and atlas. [internet] 2nd Ed. Berlin: Springer; 2016 Available from: <http://ebookcentral.proquest.com>

### Teaching Periods

## Autumn

### Campbelltown

#### Composite

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

View timetable ([https://classregistration.westernsydney.edu.au/even/timetable/?subject\\_code=RADI7011\\_22-AUT\\_CA\\_C#subjects](https://classregistration.westernsydney.edu.au/even/timetable/?subject_code=RADI7011_22-AUT_CA_C#subjects))