

RADI 7017 PRINCIPLES OF VASCULAR SONOGRAPHY 3

Credit Points 10

Legacy Code 401296

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

Description This subject will extend the student's knowledge of cerebrovascular and peripheral vascular arterial disease, along with thrombotic venous disease. Students will learn essential research skills, for which the university's vast learning resources will provide an important aid.

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 7016

Co-requisite(s) RADI 7013 - Practice of Vascular Sonography 3

Restrictions

Students must be enrolled in 4765 Graduate Diploma in Vascular Sonography

Assumed Knowledge

Basic human anatomy, & physiology.

Learning Outcomes

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

1. Distinguish the anatomical and physiological features of cerebrovascular and peripheral arterial circulations (CLO 1)
2. Examine key features of thrombotic diseases related to vascular sonography practice to compose a case report relating to an ultrasound for a documented thrombotic event (CLO 1)
3. Classify vascular disease in relation to patient outcomes, encountered within a vascular sonography practice (CLO 5)
4. Appraise the literature in vascular sonography theory and practice to inform professional practice (CLO 7)
5. Employ research methods, data collection and analysis in the field of vascular sonography surrounding peripheral vascular disease (CLO 7)

Subject Content

Vascular Pathophysiology II

1. Cerebrovascular disease

2. Thrombotic venous disease

3. Peripheral vascular disease

Case Study & Research Skills 1

1. Literature review

2. Data collection

3. Statistical analysis of collected data

4. Case report writing

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
Quiz	30 minutes	15	N	Individual	Y
Portfolio	40 studies	40	N	Individual	Y
Case Study	1500 words	45	Y	Individual	Y

Prescribed Texts

- Polak J. Pellerito J. Introduction to Vascular Ultrasonography. 6th Ed. Philadelphia, PA: Elsevier; 2012 to the 7th Ed 2020
- Myers K. Clough A. Practical Vascular Ultrasound: An illustrated guide. London. CRC Press Taylor and Francis Group: 2014

Teaching Periods

Autumn (2025)

Campbelltown

Hybrid

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/odd/timetable/?subject_code=RADI7017_25-AUT_CA_3#subjects)