

# 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 unit 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

**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.

Item	Length	Percent	Threshold	Individual/ Group Task
Quiz	30 minutes	15	N	Individual
Portfolio	40 studies	40	N	Individual
Case Study	1 500 words	45	Y	Individual

## 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 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=RADI7017\\_22-AUT\\_CA\\_C#subjects](https://classregistration.westernsydney.edu.au/even/timetable/?subject_code=RADI7017_22-AUT_CA_C#subjects))