

RADI 7001 ADVANCED PRINCIPLES AND PRACTICE OF CARDIAC SONOGRAPHY

Credit Points 10

Legacy Code 401247

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

Description This subject is an essential part of the final year of the Masters in Cardiac Sonography. It will build on the student's knowledge and skills gained in prior units, as they select and study a contemporary cardiac ultrasound technology. Students are required to research and write a literature review about their chosen technology, and to evaluate their own use of the technology in clinical practice. In addition, students will have the opportunity to teach first year cardiac sonographers, and write a reflection on their teaching experience.

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 7009 AND RADI 7005

Restrictions

Students must be enrolled in the Master of Cardiac Sonography.

Learning Outcomes

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

1. Evaluate relevant research and compose a literature review utilizing advanced research and academic writing skills
2. Appraise the clinical application of a contemporary cardiac ultrasound technology
3. Reflect on the aspects of adept cardiac sonography practice through teaching student sonographers

Subject Content

Module 1. Contemporary Cardiac Ultrasound Technology

- subject introduction: An Overview of potential research Topics and subject structure

- Journals forum: meetings weeks 2, 3 and 4 to discuss and review relevant grey literature, review articles and original research

- Imaging tutorial: practical lessons on i) the clinical application, and ii) the research utility of the chosen contemporary ultrasound technology (week 7)

- Writing tutorials: meetings weeks 7, 9 and 10 on the essential aspects of writing and editing a literature review

Module 2. Teaching Experience

- Teaching preparation: a tutorial on preparing a teaching plan (aims, outcomes, timetable) and the structure of the teaching sessions (week 4)

- Teaching sessions: two teaching sessions to first year cardiac sonography students (in weeks 5 and 13)

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
Report	2000 words (excluding references)	50	Y	Individual
Report	1000 words (excluding images and legends)	30	N	Individual
Reflection	650 words total	20	N	Individual
Proposal	300 words	S/U	Y	Individual

Teaching Periods

Autumn (2024)

Campbelltown

Hybrid

Subject Contact Paul Stoodley ([https://directory.westernsydney.edu.au/search/name/Paul Stoodley/](https://directory.westernsydney.edu.au/search/name/Paul%20Stoodley/))

View timetable (https://classregistration.westernsydney.edu.au/even/timetable/?subject_code=RADI7001_24-AUT_CA_3#subjects)