

# RADI 7025 APPLIED CARDIAC SONOGRAPHY

**Credit Points** 10

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

**Description** Applied Cardiac Sonography provides students with discipline specific knowledge and skills. The subject is comprised of three modules: 1. Stress and Emergency Echocardiography, which predominantly involves the application of echocardiography to evaluate ischaemic heart disease, 2. Advanced Echocardiographic Technologies, that includes myocardial strain and 3-D imaging, and 3. Cardiac Interventions and Other Imaging Modalities, which involves the comparison of different interventions and imaging modalities.

**School** Medicine

**Discipline** Radiography

**Student Contribution Band**

Check your fees via the Fees ([https://www.westernsydney.edu.au/currentstudents/current\\_students/fees/](https://www.westernsydney.edu.au/currentstudents/current_students/fees/)) page.

**Level** Postgraduate Coursework Level 7 subject

**Pre-requisite(s)** RADI 7008 - Principles of Cardiac Sonography 3

## Learning Outcomes

After successful completion of this subject, students will be able to:

1. Utilise imaging skills and knowledge to ensure the appropriate application of cardiac ultrasound in discipline specific and modified environments
2. Evaluate cardiac anatomy and function via the suitable application of advanced technologies and modified imaging protocols
3. Appraise other cardiac imaging technologies and their supplementary role to ultrasound in clinical decision making

## Subject Content

The subject has three modules:

1. Stress and Emergency Echocardiography
2. Advanced Echocardiographic Technologies
3. Cardiac Interventions and Other Imaging Modalities

## 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
Applied Project	2 scans	40	N	Individual	N
Literature Review	1500 words	40	N	Individual	N
Poster	750 words	20	N	Group/ Individual	Y

Teaching Periods

**Spring (2025)**  
**Campbelltown**

**On-site**

**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/odd/timetable/?subject\\_code=RADI7025\\_25-SPR\\_CA\\_1#subjects](https://classregistration.westernsydney.edu.au/odd/timetable/?subject_code=RADI7025_25-SPR_CA_1#subjects))