

RADI 7008 PRINCIPLES OF CARDIAC SONOGRAPHY 3

Credit Points 10

Legacy Code 401187

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

Description In 2024, this subject replaced by RADI 6002 - Research Foundations for Sonography. This subject will extend the knowledge students have gained from Principles of Cardiac Sonography 2. Students will utilise their knowledge of normal and abnormal cardiac anatomy and physiology to study congenital and acquired heart lesions. They will examine systemic, pulmonary and pericardial diseases and cardiac masses, analyse data from basic echocardiogram measurements, and learn case study research skills by undertaking a case report. The university library's vast resources will provide an important aid to learning in this subject.

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 7007

Learning Outcomes

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

1. Identify and explain anatomical features and pathophysiological processes of common congenital and acquired heart lesions
2. Discuss the essential features of systemic, pulmonary and infiltrative diseases that affect cardiac anatomy and function
3. Explain the essential features of pericardial disease and of neoplastic diseases of the heart
4. Develop a worksheet of echocardiographic measurements and perform basic statistical analyses of data
5. Research and compose a case report on an observed congenital heart lesion

Subject Content

1. Cardiovascular pathophysiology
 - Essentials of congenital heart disease
 - systemic, pulmonary and infiltrative diseases
 - Pericardial disease and cardiac masses
2. Case study research skills
 - literature Review
 - data collection
 - statistical analysis of collected data
 - 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
Applied Project	Part 1. Two spreadsheets Part 2. 1000 words	40	Y	Individual	Y
Professional Task	500 words	45	Y	Individual	Y

Teaching Periods

Autumn (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=RADI7008_25-AUT_CA_1#subjects)