

RADI 7002 PRACTICE OF CARDIAC SONOGRAPHY 1

Credit Points 10

Legacy Code 401189

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

Description This unit introduces students to the practice of cardiac sonography. Students learn how to acquire and optimise images and to make basic measurements. They will learn how to draw conclusions from the images and measurements, and to write a basic report. The skills learnt in this unit, which includes work integrated learning, provides students with the foundational skills in cardiac sonography.

School Medicine

Discipline Radiography

Student Contribution Band HECS Band 2 10cp

Level Postgraduate Coursework Level 7 subject



Co-requisite(s) RADI 7006

Assumed Knowledge

Applicants for this program must have successfully completed an undergraduate degree in natural and physical sciences or health.

Learning Outcomes

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

1. Explain key operational aspects of cardiac ultrasound machines
2. Position and manipulate cardiac ultrasound transducers correctly
3. Acquire appropriately oriented echocardiographic images and demonstrate how to undertake specific measurements from four standard imaging ewindows
4. Interpret and draw conclusion from acquired images and their measurements
5. Communicate key findings in a written echocardiogram report

Subject Content

1. Image acquisition and measurement
2. Ultrasound machine operation
3. Communication and professional practice

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 |
|----------------|----------------|---------|-----------|---------------------------|
| Case Study | 8 pages of Q&A | 25 | N | Individual |
| Quiz | 90 minutes | 25 | N | Individual |
| Practical Exam | 2 hours | 50 | Y | Individual |

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|------------------|--|---|---|------------|
| Log/ Workbook | 175 cases and one 250 word reflection | 0 | Y | Individual |
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Prescribed Texts

- Otto, C 2018. Textbook of Clinical Echocardiography 6th Ed. Saunders USA.

Teaching Periods

Autumn Campbelltown Day

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=RADI7002_22-AUT_CA_D#subjects)