

# RADI 7005 PRACTICE OF CARDIAC SONOGRAPHY 4

**Credit Points** 10

**Legacy Code** 401192

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

**Description** This subject aims to assure that students have gained adequate knowledge and skills to be able to practice competently, confidently and ethically as cardiac sonographers. Care for and communication with patients and colleagues, continual professional development (CPD) and exposure to advanced and leading edge imaging technologies will be given particular emphasis during this subject. Once more, considerable time will be spent in the clinical environment performing imaging skills and activities independently (as per special requirements).

**School** Medicine

**Discipline** Radiography

**Student Contribution Band** HECS Band 2 10cp

**Level** Postgraduate Coursework Level 7 subject

**Pre-requisite(s)** RADI 7004

## Learning Outcomes

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

1. Identify and measure left ventricular regional wall motion abnormalities
2. Execute a comprehensive echocardiogram examination that includes images acquired from all four acoustic windows
3. Convey echocardiographic findings in a verbal report
4. Formulate a plan for further professional development

## Subject Content

1. Image acquisition and measurement
  - Measuring left ventricular Regional wall Motion
  - Intermediate valvular function measurements
  - introduction to stress echocardiography
2. Communication
  - complex echocardiogram interpretation
  - analytical written and verbal Reporting
3. Professional practice and development
  - keeping A professional logbook
  - reflecting on The Complexity and inter-professional dimensions of echocardiography practice
  - Articulating and executing An action plan for professional development

## 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 |
|-------------------|--------------------------------|---------|-----------|-----------------------|
| Case Study        | 2 cases                        | 20      | N         | Individual            |
| Professional Task | Two cases: ~70 images per case | 30      | Y         | Individual            |
| Practical Exam    | 2 hours                        | 50      | Y         | Individual            |
| Log/Workbook      | Semester long                  | S/US    | Y         | Individual            |

Prescribed Texts

- Otto, Catherine (2018). Textbook of Clinical Echocardiography 6th Ed. Saunders USA

Teaching Periods

## Autumn (2022)

### Campbelltown

#### Day

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View timetable ([https://classregistration.westernsydney.edu.au/even/timetable/?subject\\_code=RADI7005\\_22-AUT\\_CA\\_D#subjects](https://classregistration.westernsydney.edu.au/even/timetable/?subject_code=RADI7005_22-AUT_CA_D#subjects))

## Spring (2022)

### Campbelltown

#### Day

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## Autumn (2023)

### Campbelltown

#### On-site

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