

# MEDI 7058 MULTI-SECTIONAL AND 3D HUMAN ANATOMY

**Credit Points** 10

**Legacy Code** 401320

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

**Description** This subject includes detailed 3D high resolution multi-sectional anatomy of the human body. Learning human anatomy in a 3D high resolution platform will enable students to conceptualise biological organs in 3D. Students will develop the ability to differentiate between normal and abnormal anatomy as well as understanding the demographics of pathological lesions in their daily clinical works. Delivered online, students will have opportunities to interact with medical imaging specialists as well as other subspecialists, such as surgeons, neurologists, and Emergency Specialists.

**School** Medicine

**Discipline** Radiology

**Student Contribution Band** HECS Band 3 10cp

**Level** Postgraduate Coursework Level 7 subject

## Restrictions

Students must be enrolled in 4767 Master of Advanced Imaging (MRI), 4768 Graduate Diploma of Advanced Imaging (MRI) or 4769 Grad Certificate in Advanced Imaging (MRI)

## Learning Outcomes

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

1. Examine high resolution theoretical and practical 3D anatomy.
2. Examine high resolution 3D Advanced Imaging cross-sectional anatomy.
3. Analyse the most appropriate anatomical planes for commonly investigated structures.

## Subject Content

1. Differentiation between 2D and 3D anatomy.
2. Cross-sectional 3D anatomy of human body, which includes head, spine, neck, chest, Abdomen and pelvis, upper and lower extremities.
3. Illustration of anatomical structures in their common scanned planes
4. Reconstructed 3D imaging in 2D and 3D interactive platforms

## 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/<br>Group Task |
|--------------------|------------------|---------|-----------|---------------------------|
| Reflection         | 500 words<br>x10 | 50      | N         | Individual                |
| Applied<br>Project | 2,000 words      | 30      | N         | Individual                |
| Presentation       | 15 minutes       | 20      | N         | Individual                |

Teaching Periods

## Autumn (2022)

**Online**

**Online**

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View timetable ([https://classregistration.westernsydney.edu.au/even/timetable/?subject\\_code=MEDI7058\\_22-AUT\\_ON\\_0#subjects](https://classregistration.westernsydney.edu.au/even/timetable/?subject_code=MEDI7058_22-AUT_ON_0#subjects))

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