ANAT2111
Introductory Anatomy

Course Outline
Term 1, 2023

School of Biomedical Sciences
Faculty of Medicine & Health
Table of Contents

1. Staff 3
2. Course information 3
  2.1 Course summary 3
  2.2 Course aims 3
  2.3 Course learning outcomes (CLO) 4
  2.4 Relationship between course and program learning outcomes and assessments 4
3. Strategies and approaches to learning 5
  3.1 Learning and teaching activities 5
  3.2 Expectations of students 6
4. Course schedule and structure 6
5. Assessment 8
  5.1 Assessment tasks 8
  5.2 Assessment criteria and standards 8
  5.3 Submission of assessment tasks 9
  5.4 Feedback on assessment 9
6. Academic integrity, referencing and plagiarism 10
7. Readings and resources 10
8. Administrative matters 11
9. Additional support for students 11
10. Ethical behaviour and human remains 12
11. Student risk assessments 13
1. Staff

<table>
<thead>
<tr>
<th>Position</th>
<th>Name</th>
<th>Email</th>
<th>Consultation times and locations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Course Convenor</td>
<td>Dr Christina Byun</td>
<td><a href="mailto:christina.byun@unsw.edu.au">christina.byun@unsw.edu.au</a></td>
<td>Arranged via email</td>
</tr>
<tr>
<td>Co-convenor</td>
<td>Patrick Chau</td>
<td><a href="mailto:patrick.chau@unsw.edu.au">patrick.chau@unsw.edu.au</a></td>
<td>Arranged via email</td>
</tr>
<tr>
<td>Co-convenor</td>
<td>Dr Cristian Leyton Moscoso</td>
<td><a href="mailto:c.leyton_moscoso@unsw.edu.au">c.leyton_moscoso@unsw.edu.au</a></td>
<td>Arranged via email</td>
</tr>
</tbody>
</table>

If you would like an appointment with any of the teaching staff, please arrange this via email. If you have a general question relating to the course content, please post on the discussion forum or send to the course email address: introanatomy@unsw.edu.au.

2. Course information

Units of credit: 6

Pre-requisite(s): A pass in BABS1201 or DPST1051 plus either a pass in ANAT2241 or BABS1202 or DPST1052 or BABS2202 or BABS2204 or BIOC2201 or BIOC2291 or BIOS1101 or HESC1501 or PHSL2101 or PHSL2121 or VISN1101


2.1 Course summary

This course provides an introduction to the topographical anatomy of the whole human body, based on the study of prosected human specimens. Topics for study include: general topographical and descriptive anatomy, and the musculoskeletal, nervous, special sensory organ, cardiovascular, respiratory, digestive, urinary, and reproductive systems.

This course is designed for students who require the broad study of human anatomy, as well as those who wish to proceed to Level III (advanced) studies or a major in Anatomy.

2.2 Course aims

This course aims to provide students with an understanding of the structure and organisation of the human body as it relates to function.
2.3 Course learning outcomes (CLO)
At the successful completion of this course you (the student) should be able to:

1. Demonstrate an understanding of the ethical considerations, and good practice of, working with human cadaveric tissue.
2. Demonstrate understanding by applying the appropriate use of anatomical terminology of body planes, relations, movement, and cavities.
3. Relate and integrate the following body systems and their components: musculoskeletal, nervous, special sensory organ, cardiovascular, respiratory, digestive, urinary, and reproductive systems.
4. Examine and explain the inter-dependence of body systems.

2.4 Relationship between course and program learning outcomes and assessments

<table>
<thead>
<tr>
<th>Course Learning Outcome (CLO)</th>
<th>LO Statement</th>
<th>Related Tasks &amp; Assessment</th>
</tr>
</thead>
<tbody>
<tr>
<td>CLO 1</td>
<td>Demonstrate an understanding of the ethical considerations, and good practice of, working with human cadaveric tissue.</td>
<td>Continuous Assessment</td>
</tr>
<tr>
<td>CLO 2</td>
<td>Demonstrate understanding by applying the appropriate use of anatomical terminology of body planes, relations, movement, and cavities.</td>
<td>Continuous Assessment Mid-Term Spot Test End-Term Spot Test Final Theory Exam</td>
</tr>
<tr>
<td>CLO 3</td>
<td>Relate and integrate the following body systems and their components: musculoskeletal, nervous, special sensory organ, cardiovascular, respiratory, digestive, urinary, and reproductive systems.</td>
<td>Continuous Assessment Mid-Term Spot Test End-Term Spot Test Final Theory Exam</td>
</tr>
<tr>
<td>CLO 4</td>
<td>Examine and explain the inter-dependence of body systems.</td>
<td>Continuous Assessment Mid-Term Spot Test End-Term Spot Test Final Theory Exam</td>
</tr>
</tbody>
</table>
3. Strategies and approaches to learning

3.1 Learning and teaching activities

Lectures – Students are required to attend the live lecture via Teams. Attending the live lecture (or watching the recorded lecture in cases of public holidays) is critical to prepare for the weekly laboratory/practical sessions. The lectures aim to present essential concepts and theoretical details on specific topics throughout the course.

Laboratory/practical sessions – The purpose of weekly face-to-face laboratory/practical sessions is to give students first-hand experience of the content covered and studied in the course. During the 3-hour sessions, students are involved in active learning to identify the anatomical structures, making connections of their features and relations, and to discuss the concepts relevant to the topics studied. The Anatomy Laboratory is a privileged space provided to students learning anatomy, where students are allowed to explore prosected (professionally dissected) specimens, as well as human bones, models, plastinated specimens and cross-sectional slices. Students will be led to work in small groups, guided by teaching staff, to consolidate their knowledge using problem-solving approaches.

Self-directed learning activities – The purpose of weekly self-directed activities is to help students revise the content covered and studied in the course by engaging in various online learning materials. During these activities, students will review and check their understanding of the anatomical structures and the relevant concepts. The revision quiz is a formative (non-graded) assessment designed to be interactive and helpful for revising the weekly content. All self-directed learning activities aim to assist students independently assess their performance.

Question forum – Students are encouraged to use the online discussion forum (Moodle and/or Teams) for questions and discussions related to the course content. The discussion forum is a place for students to submit questions and interact with their peers by answering and commenting on queries of other students. Teaching staff will also engage with and respond to questions in the forum.

Independent study – There is insufficient time in the lectures and practicals for you to develop a deep understanding of the concepts covered in this course. To achieve the learning outcomes that will be assessed, students will need to revise the material presented in the course regularly and do additional reading beyond the lecture materials to learn effectively. Relevant additional resources, including textbook chapters, will be cited in lecture and practical sessions.
3.2 Expectations of students

UNSW recommends that a 6 units-of-credit course should involve about 150 hours of study and learning activities. The formal learning activities total approximately 60 hours throughout the term and students are expected (and strongly recommended) to do at least the same number of hours of additional study.

The formal scheduled learning activities include:

- 2-hour lecture
- 3-hour laboratory/practical class
- 1 hour of self-directed activities – short videos, online activities, and revision quiz

Student attendance at lectures and laboratory sessions, reviewing of self-directed online activities, and completion of assessments are highly important and recommended. No ‘make-up’ sessions will be provided for any missed activities. Before attending the first week laboratory/practical session, students MUST complete the ‘Week 0’ compulsory module available in the course Moodle site.

4. Course schedule and structure

This course consists of 60 hours of class contact hours. You are expected to take an additional 60 hours of non-class contact hours to complete assessments, readings and exam preparation.

The course timetable is included below. Any changes to the timetable will be communicated via the course Moodle and Teams.

Please note that the course integrates the use of Moodle and MS Teams. It is suggested that students download the MS Teams app available via UNSW IT before the course commences.

The weekly format is as follows:

1. Lectures* – Monday 10am-12pm. These will be delivered via Teams and will be recorded.
2. Laboratory/practical sessions** – Tuesday 10am-1pm OR Tuesday 2pm-5pm. Students will attend ONE of the lab sessions in-person in Anatomy Lab 07 (Level 1, D26).
3. Continuous assessment – During the weekly lab sessions, students will complete a short assessment task. Students have ONE attempt at this assessment.
4. Self-directed activities – available via Moodle and completed at any time during the week.
5. Revision quiz – available via Moodle and completed at any time during the week.
6. Exam (Spot Test) – Wednesday 4pm-6pm in week 5 and 10 only.

*While it is expected that the lectures will be recorded, please note that this cannot be guaranteed. It is strongly recommended that students attend all lectures as they form the basis for the practical content for the week, and the continuous assessment.

**Please note that lab coat, enclosed shoes, safety glasses and face mask are required for ALL laboratory/practical sessions.
## Week 0 - Compulsory Module on Moodle

**Before Week 1**

### Week 1 - 13/02 - 17/02
- **LECTURE**
  - Introduction to Anatomy Musculoskeletal System 1
  - Introduction to Anatomy Musculoskeletal System 1
  - Quiz 1
- **LAB**
  - Introduction to Anatomy Musculoskeletal System 1
  - Musculoskeletal System 2 & Joints
  - Quiz 2
- **CONTINUOUS ASSESSMENT**
  - CNS
  - CNS
  - Quiz 3
- **SELF DIRECTED ACTIVITIES**
  - Introduction to Anatomy Musculoskeletal System 1
  - Musculoskeletal System 2 & Joints
- **REVISION QUIZ**
  - CNS
  - Brain & Spinal Cord
- **EXAM**
  - PNS & ANS
  - PNS & ANS

### Week 2 - 20/02 - 24/02
- **LECTURE**
  - Musculoskeletal System 2 & Joints
  - Musculoskeletal System 2 & Joints
  - Quiz 2
- **LAB**
  - Musculoskeletal System 2 & Joints
  - Musculoskeletal System 2 & Joints
  - Quiz 3
- **CONTINUOUS ASSESSMENT**
  - CNS
  - CNS
  - Quiz 4
- **SELF DIRECTED ACTIVITIES**
  - Musculoskeletal System 2 & Joints
  - Musculoskeletal System 2 & Joints
- **REVISION QUIZ**
  - CNS
  - Brain & Spinal Cord
- **EXAM**
  - PNS & ANS
  - PNS & ANS

### Week 3 - 28/02 - 03/03
- **LECTURE**
  - CNS
  - CNS
  - Quiz 5
- **LAB**
  - CNS
  - CNS
  - Quiz 6
- **CONTINUOUS ASSESSMENT**
  - CNS
  - Brain & Spinal Cord
- **SELF DIRECTED ACTIVITIES**
  - CNS
  - Brain & Spinal Cord
- **REVISION QUIZ**
  - CNS
  - Brain & Spinal Cord
- **EXAM**
  - PNS & ANS
  - PNS & ANS

### Week 4 - 06/03 - 10/03
- **LECTURE**
  - Cardiovascular System
  - Cardiovascular System
  - Quiz 5
- **LAB**
  - Cardiovascular System
  - Cardiovascular System
  - Quiz 6
- **CONTINUOUS ASSESSMENT**
  - Cardiovascular System
  - Cardiovascular System
- **SELF DIRECTED ACTIVITIES**
  - Cardiovascular System
  - Cardiovascular System
- **REVISION QUIZ**
  - Cardiovascular System
  - Cardiovascular System
- **EXAM**
  - Cardiovascular System
  - Cardiovascular System

### Week 6 - 20/03 - 24/03

#### FLEXI WEEK
- **LECTURE**
  - Respiratory System
  - Respiratory System
  - Quiz 6
- **LAB**
  - Respiratory System
  - Respiratory System
  - Quiz 7
- **CONTINUOUS ASSESSMENT**
  - Respiratory System
  - Respiratory System
- **SELF DIRECTED ACTIVITIES**
  - Respiratory System
  - Respiratory System
- **REVISION QUIZ**
  - Respiratory System
  - Respiratory System
- **EXAM**
  - Respiratory System
  - Respiratory System

### Week 7 - 27/03 - 31/03
- **LECTURE**
  - Digestive System
  - Digestive System
  - Quiz 7
- **LAB**
  - Digestive System
  - Digestive System
  - Quiz 8
- **CONTINUOUS ASSESSMENT**
  - Digestive System
  - Digestive System
- **SELF DIRECTED ACTIVITIES**
  - Digestive System
  - Digestive System
- **REVISION QUIZ**
  - Digestive System
  - Digestive System
- **EXAM**
  - Digestive System
  - Digestive System

### Week 9 - 10/04 - 14/04
- **LECTURE**
  - Urinary & Reproductive Systems
  - Urinary & Reproductive System
  - Quiz 8
- **LAB**
  - Urinary & Reproductive System
  - Urinary & Reproductive System
  - Quiz 9
- **CONTINUOUS ASSESSMENT**
  - Urinary & Reproductive System
  - Urinary & Reproductive System
- **SELF DIRECTED ACTIVITIES**
  - Urinary & Reproductive Systems
  - Urinary & Reproductive Systems
- **REVISION QUIZ**
  - Urinary & Reproductive System
  - Urinary & Reproductive System
- **EXAM**
  - Urinary & Reproductive Systems
  - Urinary & Reproductive Systems

### Week 10 - 17/04 - 21/04
- **LECTURE**
  - Special Senses
  - Special Senses
  - Quiz 9
- **LAB**
  - Special Senses
  - Special Senses
  - Quiz 10
- **CONTINUOUS ASSESSMENT**
  - Special Senses
  - Ear & Eye
- **SELF DIRECTED ACTIVITIES**
  - Special Senses
  - Ear & Eye
- **REVISION QUIZ**
  - Special Senses
  - Ear & Eye
- **EXAM**
  - Special Senses
  - Ear & Eye

### End of Semester
- **STUDY PERIOD**
- **FINAL EXAM PERIOD**
- **SUPPLEMENTARY EXAM PERIOD**
5. Assessment

5.1 Assessment tasks

<table>
<thead>
<tr>
<th>Assessment task</th>
<th>Length</th>
<th>Weight</th>
<th>Due date and time</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Assessment 1:</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Continuous Assessment</td>
<td>short online quiz</td>
<td>30%</td>
<td>Weeks 1-5, 7-10 Tuesday 10am-1pm OR 2-5pm</td>
</tr>
<tr>
<td><strong>Assessment 2:</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mid-Term Spot Test</td>
<td>50 mins</td>
<td>20%</td>
<td>Week 5 Wednesday 4-6pm</td>
</tr>
<tr>
<td><strong>Assessment 3:</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>End-Term Spot Test</td>
<td>50 mins</td>
<td>20%</td>
<td>Week 10 Wednesday 4-6pm</td>
</tr>
<tr>
<td><strong>Assessment 4:</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Final Theory Exam</td>
<td>2 hours + 15 mins reading time</td>
<td>30%</td>
<td>Exam period</td>
</tr>
</tbody>
</table>

Further information

UNSW grading system: [https://student.unsw.edu.au/grades](https://student.unsw.edu.au/grades)


5.2 Assessment criteria and standards

**Continuous Assessment**
These comprise of online activities that encompass both the identification of structures as well as theoretical concepts and ethical considerations. Students will complete this assessment during the weekly laboratory/practical sessions. Students have ONE attempt at this assessment. The 6 highest scoring assessment marks will be used to calculate the final grade. No supplementary continuous assessment will be provided.

**Mid-Term Spot Test and End-Term Spot Test**
These are online assessments that cover content delivered in each half of the term. These assessments encompass both the identification of structures as well as theoretical concepts.

**Final Theory Exam**
A single 2-hour written exam will be held during the formal examination period. It assesses student knowledge of the course content and deeper learning (such as the ability to make connections between ideas or to assess capacity for problem-solving). The written exam comprises of multiple-choice and short/long answer questions and will test knowledge obtained from lectures and laboratories.

**Access to previous exam papers**
Past exam papers are not available to students. Sample questions are provided via Moodle.
5.3 Submission of assessment tasks

Late Submission

UNSW has standard late submission penalties as outlined in the UNSW Assessment Implementation Procedure, with no permitted variation. All late assignments (unless extension or exemption previously agreed) will be penalised by 5% of the maximum mark per day (including Saturday, Sunday and public holidays). For example, if an assessment task is worth 30 marks, then 1.5 marks will be lost per day (5% of 30) for each day it is late. So, if the grade earned is 24/30 and the task is two days late the student receives a grade of 24 – 3 marks = 21 marks.

Late submissions will be penalized at 5% per day capped at five days (120 hours). Students will not be permitted to submit their assessments after this date.

Special Consideration

If you experience a short-term event beyond your control (exceptional circumstances) that impacts your performance in a particular assessment task, you can apply for Special Considerations.

You must apply for Special Consideration before the start of your exam or due date for your assessment, except where your circumstances of illness or misadventure stop you from doing so.

If your circumstances stop you from applying before your exam or assessment due date, you must apply within 3 working days of the assessment, or the period covered by your supporting documentation.

More information can be found on the Special Consideration website.

Educational Adjustments

Students who have a condition that requires some adjustment in their teaching or learning environment are encouraged to discuss their study needs with an Advisor in the Equitable Learning Services (https://student.unsw.edu.au/els). Students that have been granted an Equitable Learning Plan (ELP) should email this to the Course Convenors as soon as possible in the term.

5.4 Feedback on assessment

Feedback on Continuous Assessment will be provided at the end of their laboratory/practical sessions. Feedback on Mid-Term and End-Term assessments will be provided shortly after the release of the grades.
6. Academic integrity, referencing and plagiarism

Referencing is a way of acknowledging the sources of information that you use to research your assignments. You need to provide a reference whenever you draw on someone else’s words, ideas or research. Not referencing other people’s work can constitute plagiarism. Further information about referencing styles can be located at https://student.unsw.edu.au/referencing

Academic integrity is fundamental to success at university. Academic integrity can be defined as a commitment to six fundamental values in academic pursuits: honesty, trust, fairness, respect, responsibility and courage. At UNSW, this means that your work must be your own, and others’ ideas should be appropriately acknowledged. If you don’t follow these rules, plagiarism may be detected in your work.

Further information about academic integrity and plagiarism can be located at:

- The Current Students site https://student.unsw.edu.au/plagiarism, and
- The ELISE training site http://subjectguides.library.unsw.edu.au/elise/presentation

The Conduct and Integrity Unit provides further resources to assist you to understand your conduct obligations as a student: https://student.unsw.edu.au/conduct.

7. Readings and resources

Prescribed Text

Atlas

Other books that are useful and may be used as texts instead (available in the library)

Please see the course Moodle page for links to other online resources available.

Revision Facilities
The Anatomy Museum (G09) is located on the ground floor of the Wallace Wurth East. The museum contains a variety of bottled anatomical dissections. Please do not remove the museum jars from the shelves. Access to the museum is by swipe card and is restricted to anatomy students only, between 8:30am-5:30pm Monday to Friday. NO photography is allowed in the Anatomy Museum.

8. Administrative matters

Student enquiries should be submitted via student portal https://portal.insight.unsw.edu.au/webforms/

Two student representatives will represent the students in this course on the Department Student-Staff Liaison Committee. These representatives are expected to liaise with Course Convenors and student cohort, and to meet department committees as required (usually 2 times per term). During these meetings, representatives will have the opportunity to report on any feedback relating to the course that has been gathered from peers. Being a student representative gives you the opportunity to provide a voice for your student cohort, demonstrate your leadership, and is a role that can be listed on your CV.

9. Additional support for students

- The Current Students Gateway: https://student.unsw.edu.au/
- Academic Skills and Support: https://student.unsw.edu.au/academic-skills
- Student Wellbeing and Health: https://www.student.unsw.edu.au/wellbeing
- UNSW IT Service Centre: https://www.myit.unsw.edu.au/services/students
- UNSW Student Life Hub: https://student.unsw.edu.au/hub#main-content
- Student Support and Development: https://student.unsw.edu.au/support
- IT, eLearning and Apps: https://student.unsw.edu.au/elearning
- Student Support and Success Advisors: https://student.unsw.edu.au/advisors
- Equitable Learning Services (Formerly Disability Support Unit): https://student.unsw.edu.au/els
- Transitioning to Online Learning https://www.covid19studyonline.unsw.edu.au/
- Guide to Online Study https://student.unsw.edu.au/online-study
10. Ethical behaviour and human remains

In this course, you will be required to study human anatomical specimens. Each year, people donate their bodies to UNSW via a Bequeathal Program so that you and your colleagues can learn about the human body. The donations are provided through the extraordinary generosity of the donors and their families and is a special privilege. Treating these remains with the utmost care and respect is mandatory, and our responsibility. This is mandated by NSW Law, and a good ethical practice. The University operates the Bequeathal Program under the Code of Practice noted below, which all students are required to adhere to.

**Code of Practice:**

The University recognises the magnitude of the contribution made by those who donate their bodies for the teaching of anatomy, and it is committed to treating the human remains entrusted to its care with the utmost respect and professionalism. In keeping with this commitment, the University requires its employees and students to uphold all legal, public health, and ethical standards associated with the handling of bodies and human tissue samples. Any activity which undermines its ability to meet UNSW’s legislative obligations, or which devalues the contribution made by those who donate their bodies for the purposes of the teaching of anatomy to students will be in breach of this policy and subject to further action.

For those engaging in the online space (learning and teaching), the University considers that the Code of Practice remains relevant. The use of images of anatomical specimens should follow principles consistent with the Anatomy Act 1977 and/or Human Tissue Act 1983. When images are used online, these should never be identifiable, caricatured and shared for any purpose other than educational; and should not be published on social media platforms.
11. Student risk assessments

<table>
<thead>
<tr>
<th>Hazards</th>
<th>Risks</th>
<th>Controls</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemical</td>
<td></td>
<td>• Low concentrations of chemicals used</td>
</tr>
<tr>
<td>Formaldehyde</td>
<td>Corrosive</td>
<td>• Adequate air changes and ventilation provided</td>
</tr>
<tr>
<td>Methylated spirits</td>
<td>Flammable</td>
<td>• Safety Data Sheets for chemicals available</td>
</tr>
<tr>
<td>2-phenoxylethanol</td>
<td>Irritant</td>
<td>• Always wear a laboratory coat</td>
</tr>
<tr>
<td>Physical</td>
<td></td>
<td>• Wear enclosed shoes with full coverage of dorsum of foot</td>
</tr>
<tr>
<td>Cold temperature</td>
<td>Cold Penetrating</td>
<td>• Wear protective eyewear</td>
</tr>
<tr>
<td>Heavy and sharp models (e.g.</td>
<td>wound or foot injury</td>
<td>• Ensure appropriate immunisation is current</td>
</tr>
<tr>
<td>bone/plastic)</td>
<td></td>
<td>• Wear a face mask (if required)</td>
</tr>
<tr>
<td>Biological</td>
<td>Infection</td>
<td>• Wear disposable gloves when handling wet specimens and do not</td>
</tr>
<tr>
<td>Fungi</td>
<td></td>
<td>• cross-contaminate models or bones with wet specimens</td>
</tr>
<tr>
<td>Bacteria (tetanus)</td>
<td></td>
<td>• Do not bring in any food or drinks</td>
</tr>
<tr>
<td>Hepatitis B and C</td>
<td></td>
<td>• Do not place anything into your mouth (e.g. pen)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Use disinfectant provided for cleaning models and surfaces</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Use hand sanitisers provided regularly</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Wash hands with soap and dry thoroughly before leaving</td>
</tr>
</tbody>
</table>

**Personal Protective Equipment (required)**

- Lab. Coat
- Closed in footwear
- Safety Glasses
- Gloves
- Mask

**Emergency Procedures**
In the event of an alarm, follow the instructions of the academic in charge. The initial sound (beep) is advising you to prepare for evacuation. During this time pack up your personal belongings. The second sound (whoop) gives instruction to leave. The assembly point is on the lawn in front of the Chancellery. In the event of an injury inform the academic in charge (and/or lab staff). First aider and fire warden contact details are on display by the lifts on the floor and in each room. There are portable First Aid Kits located in LAB08A and LAB07.

**Clean up and waste disposal**
- Cover wet specimens with the towels provided. Make sure that towels do not hang over the edge of the table as this may result in fluid dripping onto the floor. Fluids on the floor are a major safety hazard and should be reported to lab staff immediately.
- Replace stools under the tables (if applicable).
- Remove your gloves and dispose in the biowaste bins provided.
- Wash your hands thoroughly with soap and dry with paper towels provided.
- Remove your laboratory coat as you leave the room.

**Ethics Approval**
This type of practical has been previously considered and approved by the UNSW Human Research Ethics Advisory Panel (HC180115).

**Declaration**
I have read and understand the safety requirements for this practical class, and I will observe these requirements.

Signature:.................................................. Date:..............................
Student number:..................................................

ANAT-SRA-Med&SciStudent relates to RA-MED-06. Date for review: 01/02/2024
### Hazards

<table>
<thead>
<tr>
<th>Chemical</th>
<th>Physical</th>
<th>Biological</th>
</tr>
</thead>
<tbody>
<tr>
<td>Formaldehyde</td>
<td>Cold temperature</td>
<td>Fungi</td>
</tr>
<tr>
<td>Methylated spirits</td>
<td>Heavy and sharp models</td>
<td>Bacteria (tetanus)</td>
</tr>
<tr>
<td>2-phenoxethanol</td>
<td>Sharp tools</td>
<td>Hepatitis B and C</td>
</tr>
</tbody>
</table>

### Risks

- Corrosive
- Flammable
- Irritant
- Cold
- Penetrating wound
- Foot injury
- Infection

### Controls

- Low concentrations of chemicals used
- Adequate air changes and ventilation are provided
- Safety Data Sheets for chemicals available
- Always wear a laboratory coat (over warm clothing as required)
- Wear a long-sleeved surgical gown when working with fresh tissue and embalming
- Wear enclosed shoes with full coverage of dorsum of foot
- Wear protective eyewear
- Use QlickSmart blade removal unit to remove scalpel blades
- Ensure appropriate immunisation is current
- Wear a face mask (if required)
- Wear disposable gloves when handling wet specimens and do not cross-contaminate models or bones with wet specimens
- Do not bring in any food or drinks
- Do not place anything into your mouth (e.g. pen)
- Use disinfectant provided for cleaning models and surfaces
- Use hand sanitisers provided regularly
- Wash hands with soap and dry thoroughly before leaving

### Personal Protective Equipment (required)

- Lab. Coat
- Closed in footwear
- Safety Glasses
- Gloves
- Mask

### Emergency Procedures

In the event of an alarm, follow the instructions of the academic in charge. The initial sound (beep) is advising you to prepare for evacuation. During this time pack up your personal belongings. The second sound (whoop) gives instruction to leave. Follow the instructions of the academic in charge and/or the fire warden to the assembly point. In the event of an injury inform the academic in charge (and/or lab staff). First aider and fire warden contact details are on display near the entrance/exit doors. There is a wall mounted First Aid Kit located near the entrance/exit doors.

### Clean up and waste disposal

- Refer to SWP-MED-MED-00093: GASU - Dissecting embalmed cadaveric material.
- Refer to SWP-MED-MED-00094: GASU - Recording and tracking dissection and waste.
- Fluids on the floor are a major safety hazard and should be reported to staff immediately.
- Replace stools under the tables (if applicable).
- Remove your gloves and dispose in the biohazard bins provided.
- Wash your hands thoroughly with soap and dry with paper towels provided.
- Remove your laboratory coat or gown as you leave the room.

### Ethics Approval

This type of practical has been previously considered and approved by the UNSW Human Research Ethics Advisory Panel (HC180115).

### Declaration

I have read and understand the safety requirements for this practical class, and I will observe these requirements.

Signature: .............................................. Date: ......................................
Student number: ..............................................

ANAT-SRA-Med&Sci Student relates to RA-MED-06. Date for review: 01/02/2024