



Australia's
Global
University

**Faculty of Medicine
School of Medical Sciences**

ANAT2521

Evolution of Human Structure

TERM 2, 2020
COURSE OUTLINE

CRICOS Provider Code 00098G

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Please read this manual/outline in conjunction with the following pages on the [School of Medical Sciences website](#):

- [Advice for Students](#)
- [Learning Resources](#)

(or see "STUDENTS" tab at medicallsciences.med.unsw.edu.au)

Course Staff

Associate Prof. Goran Štrkalj

Office: Room 214, Level 2 West, Wallace Wurth Building

Telephone: 02 9385 6837

Email: g.strkalj@unsw.edu.au

Dr. Stanley Serafin

Office: Room 210, Level 2 West, Wallace Wurth Building

Telephone: 02 9385 2276

Email: s.serafin@unsw.edu.au

Appointments with any of the above academics should be arranged **via email**. Please email from your **official UNSW student account**, include your **student number, course code** and state the **subject** clearly. Content questions preferably should be posted in the Moodle Forum.

Course Aims

The aims of this course are to:

1. Provide the student with an understanding of the major biological (physical and evolutionary) attributes of non-human primates and humans.
2. Assist the student to develop a deeper appreciation of the place of humans in the natural world and their relationship to other primates.
3. Provide the student with some knowledge and skills from the field of biological anthropology.
4. Help the student to appreciate the importance and relevance of the study of human origins for an understanding of modern human structure, development and disease.

Student learning outcomes

At the completion of this course, students should be able to:

1. Demonstrate knowledge of primate and human anatomy, especially of the skeleton, muscles and brain and the evidence for human evolution.
2. Apply laboratory techniques in biological anthropology to research a cutting-edge topic in the field.
3. Demonstrate knowledge of the basis for human physical variation across the world, its effect on human diet and disease and relate this to modern human societies.
4. Communicate findings in biological anthropology research to an audience of peers.
5. Demonstrate critical thinking in researching the literature on a topic in current biological anthropology research.

Prerequisites

There are no prerequisites for the course because all necessary knowledge (e.g. elementary genetics and principles of evolution) is included within the course structure. This has been done to make the course appropriate for students with diverse educational backgrounds.

Course Structure

It is strongly recommended that students attend all lectures and practicals. The workflow of a typical week includes the following activities:

1. **Preparatory activities** – activities available via Moodle (readings etc.) should be completed prior to attending face-to-face activities in each week.
2. **Online lectures**
3. **Online practical sessions**

Attendance

Your attendance at lectures and practicals is IMPORTANT, including Week 1, in which key information such the course structure and assessments, laboratory safety, ethical considerations and procedures will be discussed. Attendance in all activities is highly recommended and our expectation is that **all** practical sessions will be attended. Guidelines regarding extra-curricular activities can be found at: <https://medicallsciences.med.unsw.edu.au/sites/default/files/Extra-curricularActivitiesSOMS.pdf>

Please note that should you be unable to attend your practical class for any reason, you will not be able to do “make-up” labs. **In case if you miss any part of your assessment** due to misadventure or illness, an application for **Special Consideration** should be lodged **online** with **Student Central** within three days.

Resources for students

Prescribed Text:

Stanford, Craig, Allen, John S., Antón, Susan C. 2016. *Exploring Biological Anthropology: The Essentials*, 4th Edition, Pearson.

Other additional useful texts:

White, Tim D., Folkens, Pieter A. 2005. *The Human Bone Manual*, Elsevier Inc.

See also: [Learning Resources](#).

Continual course improvement

For course evaluation, feedback is been gathered at the completion of the course, using among other means, UNSW’s Course and Teaching Evaluation and Improvement Process and myExperience. Student feedback is taken seriously, and continual improvements are made to the course based, in part, on such feedback.

This course has been significantly redesigned based on not only student feedback but also on best practices in learning and teaching. The changes to the course included:

- This course has been moved from the Summer Term to Term 2.
 - This course has been changed from a four-week course to a nine-week course.
 - A prescribed textbook has been adopted.
 - The course has been redesigned to present an overview of the discipline of biological anthropology to make it suitable for students from any educational background.
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ANAT2521- course schedule – T2- 2020

Week	Dates	Pre-class Work	Lecture (2 x 1hr each)	Practical (1 x 2 hrs)
1	01/06-07/06	Textbook Ch 1, 3, 4	Introduction/Ethics/Genetics	Osteology & Osteometry
2	08/06-14/06	Textbook Ch 2, 5	Evolutionary Theory	Evolutionary Theory
3	15/06-21/06	Textbook Ch 6	Human Variation	Human Variation
4	22/06-28/06	Textbook Ch 7-8	Primatology	Primate Comparative Anatomy
5	29/06-05/07	Textbook Ch 12-13	Geology and Human Origins	Test 1
6	06/07-12/07	Revision	Revision	Revision
7	13/07-19/07	Textbook Ch 9-10	Early Hominins	Fossil Hominins 1
8	20/07-26/07	Textbook Ch 11-12	The Genus <i>Homo</i>	Fossil Hominins 2
9	27/07-02/08	Textbook Ch 13	Bioarchaeology	Bioarchaeology
10	03/08-09/08	Textbook Ch 15	Forensic Anthropology	Forensic Anthropology
	11/08-13/08	Study Period	Self-study	
	14/08-27/08	Exam Period	Test 2, Exam	

Assessment

1. Continuous assessment	20%
2. Test 1	20%
3. Test 2	20%
4. Theory exam	40%

Continuous assessment

The laboratory assessment is worth 20% of the final mark. Students will have six laboratory assessments conducted during Practicals. The best four will be counted towards the student's final mark. Each will be worth 5% of the final mark.

Tests 1 & 2

Tests 1 and 2 are each worth 20%. The tests assess knowledge learned and skills obtained during lectures and practicals. Test 1 covers the content of the first half of the term while Test 2 focuses on the second half of the term. The format and location of the Tests will be posted on Moodle.

Theory Exam

A single 2-hour written exam worth 40% will be held during the formal examination period. It assesses student knowledge of course content and deeper understanding (such as the ability to make connections between ideas or to assess capacity for problem-solving). The written exam comprises multiple choice questions and short answer questions and will test knowledge obtained from lectures and practicals.

Failure to complete an assessment

If you miss any part of an assessment due to misadventure or illness, an application for Special Consideration should be lodged online in myUNSW before the assessment is due.

Failure to sit a test or exam without lodgement of an application for Special Consideration will lead to automatic failure of the test. An absence from a test or exam must be supported by a medical certificate or other document that clearly indicates you were unable to be present. That certificate should be dated the same day as the examination.

See <https://student.unsw.edu.au/special-consideration>

Learning from Home

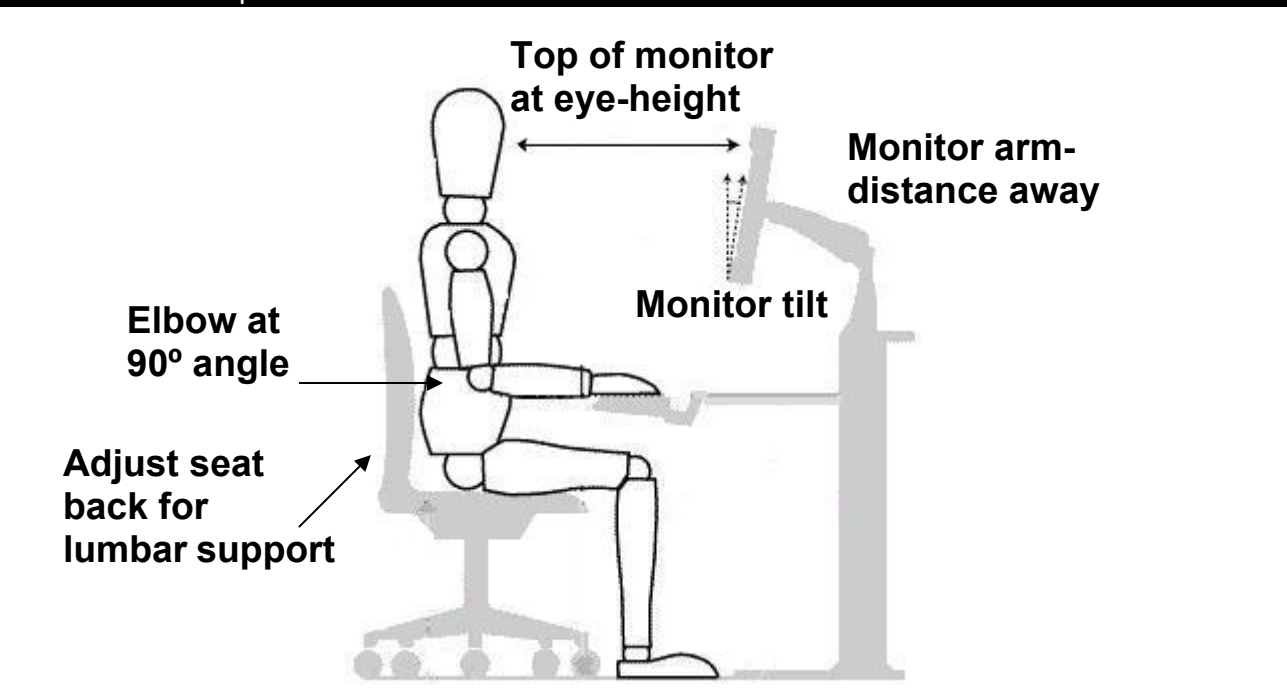


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Student Risk Assessment

Hazards	Risks	Controls
Ergonomics	Musculoskeletal pain.	Correct workstation set-up.
Electrical	Electrical shock/fire.	Check electrical equipment is in good condition before use. All portable electrical equipment tested and tagged.

Workstation set-up



Personal Protective Equipment

Not necessary in these practicals.

Declaration

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

Signature:.....Date:.....

Student Number:.....