



# ANTH1051

## Human Evolution and Diversity

Session 1, In person-scheduled-weekday, North Ryde 2022

*Macquarie School of Social Sciences*

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## General Information

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Credit points

10

Prerequisites

Corequisites

Co-badged status

Unit description

This unit explores the evolution of our species, what makes humans distinct, and how we have developed the biological, cultural and technological diversity we now see around us. The unit examines new research, highlighting the most recent discoveries and theoretical breakthroughs, encouraging students to learn more about the major debates, key discoveries, and important theories in the study of human evolution. Specifically, the unit provides students with a background in evolutionary theory, genetics, anthropology, paleoarchaeology, and comparative primatology in order to address a number of topics: the development of the human brain; bipedalism; language; families; social life; sexuality; reproduction; hunting; diet; art; stone tools and technology; language; domesticated plants and animals; cities; and the first civilisations. The unit also demonstrates how an evolutionary perspective offers new insights into modern human diversity, including both cultural and biological differences among us. The unit does not require a background in the biological or evolutionary sciences. It provides an excellent foundation for understanding and evaluating important contemporary issues.

## Important Academic Dates

Information about important academic dates including deadlines for withdrawing from units are available at <https://www.mq.edu.au/study/calendar-of-dates>

## Learning Outcomes

On successful completion of this unit, you will be able to:

**ULO1:** Explain key anthropological concepts and theories in the study of human

evolution, including be familiar with the most important debates and new developments in the field.

**ULO2:** Explain how paleoanthropologists conduct research and draw conclusions about extinct species and ways of life from material evidence.

**ULO3:** Evaluate and employ evolution-based explanations for contemporary features of human life, anatomy, and behavior.

**ULO4:** Employ theoretical concepts, evidence, and analysis by specifically exercising these abilities on the materials covered in this unit.

**ULO5:** Discuss and examine material related to human evolution (such as facsimile remains, site surveys, and material culture).

**ULO6:** Analyse and express judgement about significant debates in the study of human evolution.

## Assessment Tasks

Name	Weighting	Hurdle	Due
<u>Weekly online quizzes</u>	20%	No	Each quiz is available until just before the next lecture
<u>Literature review</u>	20%	No	Friday 8 April 2022
<u>Outline essay</u>	25%	No	Friday 27 May 2022
<u>In-tutorial discussion questions</u>	10%	No	Throughout semester
<u>Final online exam</u>	25%	No	17/06/2021

### Weekly online quizzes

Assessment Type <sup>1</sup>: Quiz/Test

Indicative Time on Task <sup>2</sup>: 6 hours

Due: **Each quiz is available until just before the next lecture**

Weighting: **20%**

Starting after the lecture in Week 2, students will be expected to take a weekly quiz online based on the readings, lecture and tutorial activity. The quiz will close prior to the lecture in the following week.

On successful completion you will be able to:

- Explain key anthropological concepts and theories in the study of human evolution, including be familiar with the most important debates and new developments in the field.

- Explain how paleoanthropologists conduct research and draw conclusions about extinct species and ways of life from material evidence.
- Evaluate and employ evolution-based explanations for contemporary features of human life, anatomy, and behavior.
- Employ theoretical concepts, evidence, and analysis by specifically exercising these abilities on the materials covered in this unit.

## Literature review

Assessment Type <sup>1</sup>: Literature review

Indicative Time on Task <sup>2</sup>: 10 hours

Due: **Friday 8 April 2022**

Weighting: **20%**

The literature review is a library-based assignment that can be conducted online, especially using the Macquarie University Library's extensive database and journal collection. Students find a recent article in a scientific journal, referred to as the 'target article' (peer reviewed and published in the last five years). They find five additional sources linked to this article, either because they are cited in the target article's References or because they cite the target article (or in the References of one of the articles CITING the target article). Students write short (<200 word descriptions of each articles).

On successful completion you will be able to:

- Explain key anthropological concepts and theories in the study of human evolution, including be familiar with the most important debates and new developments in the field.
- Explain how paleoanthropologists conduct research and draw conclusions about extinct species and ways of life from material evidence.
- Employ theoretical concepts, evidence, and analysis by specifically exercising these abilities on the materials covered in this unit.
- Analyse and express judgement about significant debates in the study of human evolution.

## Outline essay

Assessment Type <sup>1</sup>: Essay

Indicative Time on Task <sup>2</sup>: 12 hours

Due: **Friday 27 May 2022**

Weighting: **25%**

The outline essay is an introduction (approximately one page), an outline of evidence and how the argument would be structured (citing the sources), conclusion which discusses the implications, reservations and importance of the argument and a references cited list. The whole document should be less than four pages.

On successful completion you will be able to:

- Explain key anthropological concepts and theories in the study of human evolution, including be familiar with the most important debates and new developments in the field.
- Explain how paleoanthropologists conduct research and draw conclusions about extinct species and ways of life from material evidence.
- Evaluate and employ evolution-based explanations for contemporary features of human life, anatomy, and behavior.
- Employ theoretical concepts, evidence, and analysis by specifically exercising these abilities on the materials covered in this unit.
- Analyse and express judgement about significant debates in the study of human evolution.

## In-tutorial discussion questions

Assessment Type <sup>1</sup>: Participatory task

Indicative Time on Task <sup>2</sup>: 6 hours

Due: **Throughout semester**

Weighting: **10%**

Each week, the tutorial (online and on campus) sets the students a series of tasks, including a participatory task depending upon the material for that week.

On successful completion you will be able to:

- Discuss and examine material related to human evolution (such as facsimile remains, site surveys, and material culture).
- Analyse and express judgement about significant debates in the study of human evolution.

## Final online exam

Assessment Type <sup>1</sup>: Quiz/Test

Indicative Time on Task <sup>2</sup>: 2 hours

Due: **17/06/2021**

Weighting: **25%**

The final exam is cumulative and multiple choice, conducted online during the exam period.

On successful completion you will be able to:

- Explain key anthropological concepts and theories in the study of human evolution, including be familiar with the most important debates and new developments in the field.
- Explain how paleoanthropologists conduct research and draw conclusions about extinct

species and ways of life from material evidence.

- Evaluate and employ evolution-based explanations for contemporary features of human life, anatomy, and behavior.
  - Employ theoretical concepts, evidence, and analysis by specifically exercising these abilities on the materials covered in this unit.
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<sup>1</sup> If you need help with your assignment, please contact:

- the academic teaching staff in your unit for guidance in understanding or completing this type of assessment
- the [Writing Centre](#) for academic skills support.

<sup>2</sup> Indicative time-on-task is an estimate of the time required for completion of the assessment task and is subject to individual variation

## Delivery and Resources

Anth 151 is primarily a lecture and tutorial class, with hands-on examination of facsimile human remains and other lab-based activities conducted in tutorials.

Technology used and required:

Students will need to have access to the iLearn section, as handouts, FAQs, video links, and a host of other resources will be available through iLearn. The online discussion sections for Anth 151 historically have been very active as students help each other to understand key concepts. The unit convenor makes extensive use of online slides, videos, Prezis, and other resources.

### Readings

All readings for the unit will be available through the iLearn space for the units. Students will not be able to complete the unit without these materials. Students will also find the weekly review sheets for key concepts and additional information about assessment tasks in each weekly section of iLearn.

### Lecture times

Lectures are Wednesdays from 2 to 4pm in the T1 theatre, 29 Wallys Walk. Students are strongly encouraged to attend lectures, but if scheduling or unforeseen circumstances are an issue, all lectures are taped through Echo 360, and slide shows (including video links and other materials), available through iLearn.

### Teaching and Learning Strategy

The course as a whole is designed to convey the excitement, theoretical innovation, and new discoveries emerging in the study of human evolution. A clearer understanding of evolutionary processes allows students to appreciate the role of evolution in shaping humans and other organisms and to better evaluate contemporary arguments that make use of evolutionary theory or research. By the end of the unit, students should have a greater appreciation of the diversity

of methods used to study human evolution, some of the most important debates within the field, and the distinctiveness of human beings among animals.

The course provides an excellent foundation for further, more specialized study in anthropology at the 200-level, but it also provides a robust understanding of human evolution that might contribute to students' continued study of such fields as health, psychology, politics, Aboriginal studies, and a host of other specialties. Although each week focuses roughly on a different time period in human evolution, the issues brought up in each will be extended to contemporary human life.

For example, although the discussion of Technology in Week Eight focuses on the emergence of complex stone tools, especially the contrast between Neandertal material culture and the technology of comparable archaic Homo sapiens, we will also be discussing how technological innovation affects the evolutionary development of humans up until the present. By examining how we came to be as a species, our ancestors and nearest relatives, we come to a deeper understanding of human nature itself, including the variation that exists within our species—both biological and cultural.

Evolutionary theory is one of the most powerful explanatory mechanisms for understanding all life, but it is also prone to being abused; the thorough background provided in this unit may lead students to be more sceptical around certain types of evolutionary arguments without repudiating evolutionary theory itself. In addition, this unit on evolution and diversity provides a foundation for thinking about the relationship of culture to biology, of nature to nurture, and of psychology to social life.

The questions posed by the origins of humanity are too big and difficult to solve with only half the evidence at our disposal, so we will become better practiced at understanding human holistically, one of the most important characteristics of anthropology. Students will do best if they realise that, to some degree, many of the key issues in the evolutionary history of our species and in the nature of our species' diversity are still subject to debate, although anthropologists and other scientists may agree on the broader outlines.

## Policies and Procedures

Macquarie University policies and procedures are accessible from [Policy Central](https://policies.smq.edu.au) (<https://policies.smq.edu.au>). Students should be aware of the following policies in particular with regard to Learning and Teaching:

- [Academic Appeals Policy](#)
- [Academic Integrity Policy](#)
- [Academic Progression Policy](#)
- [Assessment Policy](#)
- [Fitness to Practice Procedure](#)
- [Assessment Procedure](#)
- [Complaints Resolution Procedure for Students and Members of the Public](#)
- [Special Consideration Policy](#)

Students seeking more policy resources can visit [Student Policies](https://students.mq.edu.au/support/study/policies) (<https://students.mq.edu.au/support/study/policies>). It is your one-stop-shop for the key policies you need to know about throughout your undergraduate student journey.

To find other policies relating to Teaching and Learning, visit [Policy Central](https://policies.mq.edu.au) (<https://policies.mq.edu.au>) and use the [search tool](#).

## Student Code of Conduct

Macquarie University students have a responsibility to be familiar with the Student Code of Conduct: <https://students.mq.edu.au/admin/other-resources/student-conduct>

## Results

Results published on platform other than [eStudent](#), (eg. iLearn, Coursera etc.) or released directly by your Unit Convenor, are not confirmed as they are subject to final approval by the University. Once approved, final results will be sent to your student email address and will be made available in [eStudent](#). For more information visit [ask.mq.edu.au](http://ask.mq.edu.au) or if you are a Global MBA student contact [globalmba.support@mq.edu.au](mailto:globalmba.support@mq.edu.au)

## Academic Integrity

At Macquarie, we believe [academic integrity](#) – honesty, respect, trust, responsibility, fairness and courage – is at the core of learning, teaching and research. We recognise that meeting the expectations required to complete your assessments can be challenging. So, we offer you a range of resources and services to help you reach your potential, including free [online writing and maths support](#), [academic skills development](#) and [wellbeing consultations](#).

## Student Support

Macquarie University provides a range of support services for students. For details, visit <http://students.mq.edu.au/support/>

## The Writing Centre

[The Writing Centre](#) provides resources to develop your English language proficiency, academic writing, and communication skills.

- [Workshops](#)
- [Chat with a WriteWISE peer writing leader](#)
- [Access StudyWISE](#)
- [Upload an assignment to Studiosity](#)
- [Complete the Academic Integrity Module](#)

The Library provides online and face to face support to help you find and use relevant information resources.

- [Subject and Research Guides](#)
- [Ask a Librarian](#)



## Student Services and Support

Macquarie University offers a range of [Student Support Services](#) including:

- [IT Support](#)
- [Accessibility and disability support](#) with study
- Mental health [support](#)
- [Safety support](#) to respond to bullying, harassment, sexual harassment and sexual assault
- [Social support including information about finances, tenancy and legal issues](#)

## Student Enquiries

Got a question? Ask us via [AskMQ](#), or contact [Service Connect](#).

## IT Help

For help with University computer systems and technology, visit [http://www.mq.edu.au/about\\_us/offices\\_and\\_units/information\\_technology/help/](http://www.mq.edu.au/about_us/offices_and_units/information_technology/help/).

When using the University's IT, you must adhere to the [Acceptable Use of IT Resources Policy](#). The policy applies to all who connect to the MQ network including students.

## Changes since First Published

Date	Description
23/02/2022	I had mixed up the due date for two assignments and had to flip them around.