

# NATS 3041 TOPICS IN PHYSIOLOGY

**Credit Points** 10

**Legacy Code** 300819

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

**Description** This subject builds on the physiological concepts of "Introduction to Physiology". It provides a greater depth and breadth of understanding of aspects of whole-body physiology which are explored in group work. Topics may include, but are not limited to, locomotion, physiology of reproductive technology, physiology of interaction between humans, physiology under extreme conditions (including pathophysiology), physiology of learning and memory, sleep physiology, animal physiology, nutritional physiology and others.

**School** Science

**Discipline** Medical Science

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

Check your HECS Band contribution amount via the Fees ([https://www.westernsydney.edu.au/currentstudents/current\\_students/fees/](https://www.westernsydney.edu.au/currentstudents/current_students/fees/)) page.

**Level** Undergraduate Level 3 subject

**Pre-requisite(s)** BIOS 1025 OR  
BIOS 2006 OR  
BIOS 3002

**Equivalent Subjects** NATS 3042 - Topics in Physiology

## Learning Outcomes

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

1. Research and review information including scientific literature on a selected topic in physiology
2. Explain a selected topic of physiology to your peers in a short oral presentation
3. Review and explain a selected topic in physiology in a written essay
4. Compose an exam question based on the oral presentation of the selected topic in physiology
5. Discuss selected areas in physiology presented by peers during the tutorials and in the final exam
6. Evaluate oral presentations of your peers on selected topics in physiology

## Subject Content

Topics covered will vary and may include but are not limited to the physiology of locomotion, physiology of reproductive technology, physiology of interaction between humans, physiology under extreme conditions (including pathophysiology), physiology of learning and memory, sleep physiology, animal physiology, nutritional physiology and others.

## 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
5 peer - reviews of presentations (3% each) and contributing one relevant question per topic area (5%)	peer mark 1 hour presentation 5 times throughout semester	20	N	Individual
Learning contract (includes live presentation during weekly zoom lecture) and slides submitted via vUWS link on selected topic in physiology based on group work 25%, written essay as individual assignment 25%)	30-40 minutes, 1500 words	50	N	Individual
Final exam	2 hours timetabled during final exam time	30	N	Individual

Teaching Periods