GRIFFITH UNIVERSITY

Monday 28 April 2025 at 4:53 pm AEST

Course Summary

Course code: 1042SCG

Course title: Genetics and Evolutionary Biology

Study Level: Undergraduate

Trimester: Trimester 2 2025

Mode: In Person

Location: Brisbane South (Nathan)

School: School of Environment and Science

Credit Points (awarded): 10

Student Contribution Band: Band 2: Further information is available at www.griffith.edu.au/students/enrolment-timetables-fees/paying-your-fees/student-contribution-amount

Previous Course Profiles: app.griffith.edu.au/course-profile-search/?course_code=1042SCG

1. Course Overview

Genetics and Evolutionary Biology is an introductory course that will provide foundational concepts in molecular genetics and evolutionary biology. Students will gain an understanding of the process of inheritance and mutation, population genetics, and evolutionary theory at the molecular, organismal and population level. Students will also learn commonly used genetic analysis methods and techniques employed by scientists. Course content will be delivered through a combination of lectures, workshops, and online material. Incompatible: 1005MSC Genes and Disease

Incompatibilities:
Must not have completed 1005MSC Genes and Disease,

Usually available

Brisbane South (Nathan) Trimester 2
Gold Coast Trimester 2

Key dates

14 July 2025

27 July 2025

Start Date

Last date to add course

11 August 2025

Last date to drop course without financial penalty (Census date)

14 September 2025

Last date to drop course without academic failure

2. Classes

Trimester 2, 2025

If your class is full, please view Full Class information at www.griffith.edu.au/students/enrolment-timetables-fees/managing-your-enrolment/full-class-information

Lecture/Workshop

Class	Availibility	When	Where	Notes
You must enrol in the following Lecture/Workshop combination				
Lecture (42115)	Open	Monday 14:00 - 14:50 Week 1 - 4, 5 - 12	N22 THEATRE 1 Northern Theatres 1/2 Complex Brisbane South (Nathan)	
		Tuesday 16:00 - 16:50 Week 1 - 4, 5 - 12	N22 THEATRE 1 Northern Theatres 1/2 Complex Brisbane South (Nathan)	
Workshop (46344)	auto-enrolled	Thursday 17:00 - 17:50 Week 2, 4, 6 - 7, 9 - 12	N22 THEATRE 1 Northern Theatres 1/2 Complex Brisbane South (Nathan)	
		Friday 13:00 - 13:50 Week 2, 4, 6 - 7, 9 - 12	N22 THEATRE 1 Northern Theatres 1/2 Complex Brisbane South (Nathan)	

Laboratory

Class	Availibility	When	Where	Notes
You must enrol in one Laboratory	Open			

Laboratory (42121)		Monday 15:00 - 17:50 Week 8	N79 5.02 Engineering Tech and Aviation Brisbane South (Nathan)	
Laboratory (42120)	Open	Tuesday 11:00 - 13:50 Week 8	N79 5.02 Engineering Tech and Aviation Brisbane South (Nathan)	
Laboratory (42119)	Open	Monday 08:00 - 10:50 Week 8	N79 5.02 Engineering Tech and Aviation Brisbane South (Nathan)	
Laboratory (42118)	Open	Wednesday 08:00 - 10:50 Week 8	N79 5.02 Engineering Tech and Aviation Brisbane South (Nathan)	
Laboratory (42117)	Open	Friday 10:00 - 12:50 Week 8	N79 5.02 Engineering Tech and Aviation Brisbane South (Nathan)	
Laboratory (42116)	Open	Wednesday 15:00 - 17:50 Week 8	N79 5.02 Engineering Tech and Aviation Brisbane South (Nathan)	

Peer-Assisted Study Session (Pass Session)

Class	Availibility	When	Where	Notes
You must enrol in one Pass Session				
Pass Session (42130)	In High Demand	Wednesday 17:00 - 17:50 Week 2 - 4, 5 - 12	Online	
Pass Session (42129)	Open	Wednesday 14:00 - 14:50 Week 2 - 4, 5 - 12	N53 0.56 Willett Centre Brisbane South (Nathan)	
	Open		Online	

Pass Session (42128)		Thursday 18:00 - 18:50 Week 2 - 4, 5 - 12		
Pass Session (42127)	Open	Monday 11:00 - 11:50 Week 2 - 4, 5 - 12	N53 -1.20 Willett Centre Brisbane South (Nathan)	
Pass Session (42126)	Open	Thursday 11:00 - 11:50 Week 2 - 4, 5 - 12	Online	
Pass Session (42125)	Open	Friday 15:00 - 15:50 Week 2 - 4, 5 - 12	Online	
Pass Session (42124)	Open	Wednesday 13:00 - 13:50 Week 2 - 4, 5 - 12	N76 1.01 Campus Heart Building Brisbane South (Nathan)	
Pass Session (42123)	Open	Tuesday 10:00 - 10:50 Week 2 - 4, 5 - 12	N53 0.59 Willett Centre Brisbane South (Nathan)	
Pass Session (42122)	Open	Monday 13:00 - 13:50 Week 2 - 4, 5 - 12	N53 0.65 Willett Centre Brisbane South (Nathan)	

3. Assessment

Summary

Test or quiz (3) | Laboratory report (1) | Group assessment (1) | Exam (1) | Mandatory pass (1)

Assessment name	Weighting	Due date	

Test or quiz	10%	Week 4

This assessment item:
- Mark Type: Score

Test or quiz	10%	Week 7

This assessment item:
- Mark Type: Score

Laboratory report	20%	Week 8 - Week 8

This assessment item:
- Group activity
- Mark Type: Score

Test or quiz	10%	Week 11

This assessment item:
- Mark Type: Score

Exam - combination of selected and constructed response	50%	Exam Period

This assessment item:
- On Campus exam
- Has a mandatory pass component
- Requires submission to pass this course
- Requires a minimum percentage mark to pass this course
- Mark Type: Score

Mandatory Pass Component:
To pass this course, students must achieve a passing grade, and:
achieve a minimum percentage mark of 40

The exam timetable will be published on myGriffith as the exam period approaches.

Supplementary Assessment is available in this course

If you are not sure which week we are in, check out the academic calendar at www.griffith.edu.au/academic-calendar-key-dates

4. Learning Outcomes

After successfully completing this course you should be able to:

1: Define and describe what a gene is, and the molecular nature of the gene

2: Describe how it is inherited, and the evolutionary process

3: Define and describe the regulation of a gene, specifically, its capacity for replication and repair, mutation and expression

4: Describe how to analyse genetic material

5: Obtain theoretical skills used in the analysis of human disorders including genetic diseases

6: Describe the process and concepts of evolution

7: Understand the Principles of inheritance and genetic exchange among populations

5. Course Contacts

2025, Brisbane South (Nathan), In Person

Dr Dan Bock
Campus convenor
Email: dan.bock@griffith.edu.au

Dr John Atack
Campus: Gold Coast
Email: j.atack@griffith.edu.au

Important information

The published online version of the Course Profile is the authoritative version and by the publication of the Course Profile online, the University deems the student has been notified of and read the course requirements. Assessment is subject to change up until the Start Date of the course. Please recheck the website for updates.

Disclaimer:

This document has been auto-generated, please refer to the website (https://my.griffith.edu.au/programs-courses) for current and up to date information.