

BIOS 3029 BIOTIC INTERACTIONS

Credit Points 10

Legacy Code 301266

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Description This subject will introduce the diversity of biotic interactions observed in nature, with an emphasis on their significant roles in maintaining ecosystem function and regulating biological diversity. Major themes will include the role of microbes in plant and animal health and nutrient acquisition via the soil and gastrointestinal microbiomes, the chemical ecology of interactions between plants, and herbivores and pollinators, and interactions between predators and prey. The consequences of biotic interactions for participants can vary from mutual benefit to benefit for one participant and harm for the other, however these outcomes can often change through time and space. Students will be guided to an understanding of how ecological circumstances determine the consequences of biotic interactions.

School Science

Discipline Ecology and Evolution

Student Contribution Band HECS Band 2 10cp

Check your fees via the Fees (https://www.westernsydney.edu.au/currentstudents/current_students/fees/) page.

Level Undergraduate Level 3 subject

Pre-requisite(s) BIOS 2008 AND BIOS 1001

Equivalent Subjects BIOS 3012 Conservation Biology

Assumed Knowledge

Students will be expected to apply previous knowledge in mathematics, chemistry, and biology, and demonstrate critical thinking in written and oral formats.

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
Open book Quizzes (4) on-line	1 h 10 short answer questions or 30 MCQs or an appropriate mixture of both (e.g. 10 MCQs and 6-7 short answers)	30	N	Individual
Presentation	10 minutes	20	N	Individual

Practical Report	1,500 words	20	N	Individual
Final Exam	2 hours	30	N	Individual