Further your Science Career

UNIVERSITY OF WOLLONGONG AUSTRALIA

Every major challenge of modern life, such as ensuring energy, food, health and water security in a sustainable world has complex science and technology underpinnings.

GLOBAL CHALLENGES IN SCIENCE - SCII101

COMMENCES	Autumn 2020
CREDIT POINTS	6
PRE-REQUISITES	Nil
CO-REQUISITES	Nil

SUBJECT DESCRIPTION

This subject is the first of its kind at the University of Wollongong, designed to bring all students from the SMAH Bachelor of Science program together in one subject. Students will explore the method of science and how science informs debate and decision-making on public issues, whilst also understanding the responsibilities of the public in having scientific understanding and how you can contribute to a better future using your scientific knowledge. The projects undertaken in this subject will foster a sense of community amongst science students and the subject will also be utilised to provide course advice and guidance to help students map their program of study and navigate their transition to university.

Students in Global Challenges in Science will work within interdisciplinary teams to investigate projects related to modern challenges, using the United Nations Sustainable Development Goals (UN SDGs). Student learning in this subject is facilitated through engaging online material, in combination with face-to-face lectures and workshop classes. The course has been co-designed with current students at the University of Wollongong, incorporating student feedback to inform lecture content, skills in developing a scientific mindset and career employability.

UNITED NATIONS SUSTAINABLE DEVELOPMENT GOALS (UN SDGs)

This subject will use the United Nations Sustainable Development Goals (UN SDGs) to explore Global Challenges in Science and discuss the role of science and scientists in contributing to solving these problems. Wollongong University recently ranked equal 13th in the world in the 2019 Times Higher Education (THE) Global Impact Ratings, which measures a university's social and economic impact based on their success in delivering outcomes addressing a subset of the UN SDGs.

SUSTAINABLE DEVELOPMENT GOALS

KEY THEMES

- University and Bachelor of Science course orientation - managing the transition to university
- Relationship building and interdisciplinary team development – building a sense of scientific community between disciplines and establishing a foundation for scientific breadth
- Developing a scientific mindset through skill based learning – locating and critiquing sources of information, methods of scientific inquiry, critical thinking and creative problem solving
- Investigating solutions to the global challenges we face today using the UN SDGs as a framework

"SCII101 is the perfect subject for first year students with a focus on highly sought after and transferable skills in problem solving, communication and critical thinking. Develop your scientific professional identity, establish supportive relationships and take control of your future.

DR TRACEY KUIT
Associate Professor
School of Chemistry and Molecular Bioscience

FOR MORE INFORMATION

Visit: https://www.uow.edu.au/science-medicine-health/why/
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