FOOD4104, FOOD9104

Food and Health Security

Term 2, 2022

Course Overview

Staff Contact Details

Convenors

Name	Email	Availability	Location	Phone
Johannes le Coutre	johannes.lecoutre@unsw.edu.au	working hours	SEB 437	+61 (2) 9385 7195

Lecturers

Name	Email	Availability	Location	Phone
Jayashree Arcot	j.arcot@unsw.edu.au			
Andrew Dansie	a.dansie@unsw.edu.au			

School Contact Information

Enquiries related to the course (e.g. course content, assessment instructions) should be raised during the scheduled classes, office hours, or in Teams channels/Moodle forums designated for that purpose.

Learning and question etiquette:

- Please be prepared for classes and attend the timetabled classes so that you can ask questions during the class time.
- Please respect that demonstrators and tutors have scheduled the class time to help you learn and are likely to be busy with other responsibilities outside those times; questions asked outside of class times will take longer to be answered.
- PhD students and other casuals who are teaching classes are normally only expected to look after the timetabled class and not to provide follow-up one-on-one assistance.
- Please don't ask questions in private that could be reasonably asked in a way that everyone can learn from the discussion.
- As a member of a community of learners, please try answering each other's questions!
- Please limit private messages to staff (via email or Teams) to *confidential* matters related to course administration.

For assistance with enrolment, class registration, progression checks and other administrative matters, please see the Nucleus: Student Hub. They are located inside the Library – first right as you enter the main library entrance. You can also contact them via http://unsw.to/webforms or reserve a place in the face-to-face queue using the UniVerse app.

If circumstances outside your control impact on submitting assessments, Special Consideration may be granted, usually in the form of an extension or a supplementary assessment. Applications for Special Consideration must be submitted online.

Course Details

Units of Credit 6

Summary of the Course

This course will directly address the UN Sustainable Development Goals (SDGs) in the context of Food and Health Security facing different populations in the world both at the micro (household) and macro (population, country) levels. The scope will include both micro (household) and macro (population, country) levels. Topics will cover sustainable agricultural systems/production to meet the food availability requirements for populations; nutrition sensitive agriculture, a food system approach to address undernutrition and achieve Zero Hunger; effects of climate change on food and nutrient availability, role of food science and technology in crisis scenarios such as natural disasters, civil war, and pandemics/epidemics.

Course Aims

This course will provide students an appreciation of humanitarian work and analyse the various food and health issues in the world and how to address them within the UN SDG framework.

At the end of the course, students will have developed:

1. An understanding of the relevance of the UN SDGs related to Food and Health security

2. Skills for collaborative and multi-disciplinary work

3. Respect for ethical practice and social responsibility

4. Recognition and appreciation of cultural differences

5. Skills for effective communication

6. Capacity for analytical and critical thinking and creative problem solving

7. Ability to engage independent and reflective learning

Course Learning Outcomes

1. Explain the intent of the 17 UN Sustainability Development goals (SDGs).
2. Outline social and cultural impacts linked with geographical disparities of Food security.
3. Decipher case study scenarios and provide meaningful data driven solutions for societal problem solving
4. Understand the nature of relationships of complex stakeholder environments involved with organizational impact through specific examples.
5. Conceptualize, quantify and improve global footprints based on case studies.
6. Analyse intricate networks of interrelated global policies to identify key stakeholders and organisations for affecting change.

This course is part of UNSW Food Science specializations approved (2021-2026) by the Institute of Food Technologists Higher Education Review Board (IFT HERB).

Teaching Strategies

The course is based on a series of lectures related to topics directly related to the UN SDGs in the area of food and health security including challenges and problems to be addressed, community engagement and successful approaches and solutions. Guest lecturers from international, governmental and non-governmental organisations with experience in humanitarian projects will be invited to provide lectures with case studies. Students will be encouraged to work within teams and develop communication skills through presentations to maximise learning outcomes.

Additional Course Information

The course will be delivered *via* lectures, guest lectures, group work & seminars throughout term-2 2021

Course hours:

Mondays: 14:00-16:00

Tuesdays: 09:00-11:00

Assessment

Assessment task	Weight	Due Date	Course Learning Outcomes Assessed
1. Seminar presentation	25%	02/08/2022	1, 3, 6
2. Group discussion and debate	25%	20/06/2022 03:00 PM	1, 2, 4, 6
3. Reflection	20%	02/08/2022 11:00 PM	1, 2, 5, 6
4. Team work	30%	02/08/2022 11:00 PM	2, 3, 4

Assessment 1: Seminar presentation

Due date: 02/08/2022

Individual presentation on an aspect of of importance/relevance from the case study from the group report.

Assessment will be a weighted combination of peer marking and marks from course lecturers. Feedback on presentation style will be provided to each student in written format following their presentation.

Assessment 2: Group discussion and debate

Due date: 20/06/2022 03:00 PM

This will be designed to reflect views for and against approaches (from case studies) to providing solutions to various scenarios of food and nutrition issues in different countries.

Assessment will be based on presentation and the ability to be critical in their arguments present a critical evaluation of approaches used to address food and health security issues.

Assessment 3: Reflection

Due date: 02/08/2022 11:00 PM

This assessment will ask students to write an essay reflecting on the challenges and opportunities for food scientists and interdisciplinary teams to work in this space of humanitarian science and technology including the personal and professional skills required.

Assessment will be based on lecturer marking the essay with written feedback provided to students.

Assessment 4: Team work

Due date: 02/08/2022 11:00 PM

Report to summarise the work of the group on a topic relevant to the course in critically analysing

examples of case studies. Assessment will be based on the course lecturer marking the report and providing written feedback on the report. For marking we will inquire about individual contributions to the report.

Attendance Requirements

Students are strongly encouraged to attend all classes and review lecture recordings.

Course Schedule

[View class timetable](#)

Timetable

Date	Type	Content
O-Week: 23 May - 27 May		
Week 1: 30 May - 3 June	Blended	**30. May:** Lecture / Group work **31. May:** Lecture / Group work
Week 2: 6 June - 10 June	Blended	**06. Jun:** Lecture / Group work **07. Jun:** Lecture / Group work
Week 3: 13 June - 17 June	Blended	**13. Jun:** Lecture / Group work **14. Jun:** Lecture / Group work
Week 4: 20 June - 24 June	Blended	**20. Jun:** Guest Lecture - Dr Jayantha SELLAHEWA, Adjunct Senior Lecturer, UNSW, Sydney **"*The role of food science and nutrition in humanitarian response*"** **21. Jun:** Lecture / Group work
	Assessment	Group discussion and debate
Week 5: 27 June - 1 July	Blended	**27. Jun:** Lecture / Group work **28. Jun:** Lecture / Group work
Week 6: 4 July - 8 July	Reading	**Flexibility week -** No scheduled activity.
Week 7: 11 July - 15 July	Blended	**11. Jul:** Guest Lecture - Frances Ann Warnock, Expert Food Safety Risk Assessments School Feeding Programmes · World Food Programme **title: "tbd"**

		12. Jul: Lecture / Group work
Week 8: 18 July - 22 July	Blended	18. Jul: Student seminars / Group work 19. Jul: Student seminars / Group work
Week 9: 25 July - 29 July	Blended	27. Jul: Student seminars / Group work 28. Jul: Student seminars / Group work
Week 10: 1 August - 5 August	Blended	01. Aug: Student seminars / Group work 02. Aug: Student seminars / Group work
	Assessment	Reflection
	Assessment	Team work

Resources

Prescribed Resources

https://sdgs.un.org/goals

Recommended Resources

Online reports and resources, i.e. UN-website, FAO-website.

Course Evaluation and Development

This course is only in its second year and we aim to be connected to real world events. We will try to establish a strong rapport with the students and inquire about immediate feedback for short term improvements. This year we expect to have far reaching discussions about the impact of the war in Ukraine on global food systems.

Laboratory Workshop Information

n.a.

Submission of Assessment Tasks

In the School of Chemical Engineering, all written work will be submitted for assessment via Moodle unless otherwise specified. Attaching cover sheets to uploaded work is generally not required; when you submit work through Moodle for assessment you are agreeing to uphold the Student Code.

Some assessments will require you to complete the work online and it may be difficult for the course coordinator to intervene in the system after the due date. You should ensure that you are familiar with assessment systems well before the due date. If you do this, you will have time to get assistance before the assessment closes.

All submissions are expected to be neat and clearly set out. Your results are the pinnacle of all your hard work and should be treated with due respect. Presenting results clearly gives the marker the best chance of understanding your method; even if the numerical results are incorrect.

Marking guidelines for assignment submissions will be provided at the same time as assignment details to assist with meeting assessable requirements. Submissions will be marked according to the marking guidelines provided.

Late penalties

Unless otherwise specified, submissions received after the due date and time will be penalised at a rate of 5% per day or part thereof (including weekends). For some activities including Moodle quizzes and Team Evaluation surveys, extensions and late submissions are not possible.

Special consideration

If you have experienced an illness or misadventure beyond your control that will interfere with your assessment performance, you are eligible to apply for Special Consideration prior to submitting an assessment or sitting an exam.

UNSW has a [Fit to Sit / Submit rule](#), which means that if you attempt an exam or submit a piece of assessment, you are declaring yourself fit enough to do so and cannot later apply for Special Consideration.

For details of applying for Special Consideration and conditions for the award of supplementary assessment, please see the information on UNSW's [Special Consideration page](#).

Please note that students will need to provide some documentary evidence to support absences from any assessments missed because of COVID-19 public health measures such as isolation. UNSW will **not** be insisting on medical certificates for COVID-related absences of 7 days or less, with the positive PCR or RAT result being sufficient. Longer absences due to self-isolation or COVID-related illness will still need documentation such as a medical certificate.

Applications for special consideration **will still be required** for assessment and participation absences related to COVID-19. Special consideration requests should not be lodged for missing classes if there are no assessment activities in that class.

Academic Honesty and Plagiarism

Academic integrity is fundamental to success at university. Academic integrity can be defined as a commitment to six fundamental values in academic pursuits: honesty, trust, fairness, respect, responsibility and courage (International Center for Academic Integrity, 'The Fundamental Values of Academic Integrity', T. Fishman (ed), Clemson University, 2013). At UNSW, this means that your work must be your own, and others' ideas should be appropriately acknowledged. If you don't follow these rules, plagiarism may be detected in your work.

Further information about academic integrity and plagiarism can be located at:

- The Current Students site
- The ELISE training site

The Conduct and Integrity Unit provides further resources to assist you to understand your conduct obligations as a student: https://student.unsw.edu.au/conduct.

Referencing is a way of acknowledging the sources of information that you use to research your assignments. You need to provide a reference whenever you draw on someone else's words, ideas or research. Not referencing other people's work can constitute plagiarism. Further information about referencing styles can be located at https://student.unsw.edu.au/referencing.

For assessments in the School of Chemical Engineering, we recommend the use of referencing software such as Mendeley or EndNote for managing references and citations. Unless required otherwise specified (i.e. in the assignment instructions) students in the School of Chemical Engineering should use either the APA 7th edition, or the American Chemical Society (ACS) referencing style as canonical author-date and numbered styles respectively.

Academic Information

To help you plan your degree, assistance is available from academic advisors in The Nucleus and also in the School of Chemical Engineering.

Additional support for students

- Current Student Gateway
- Engineering Current Student Resources
- Student Support and Success
- Academic Skills
- Student Wellbeing, Health and Safety
- Equitable Learning Services
- IT Service Centre

Course workload

Course workload is calculated using the Units-Of-Credit (UOC). The normal workload expectation for one UOC is approximately 25 hours per term. This includes class contact hours, private study, other learning activities, preparation and time spent on all assessable work.

Most coursework courses at UNSW are 6 UOC and involve an estimated 150 hours to complete, for both regular and intensive terms. Each course includes a prescribed number of hours per week (h/w) of scheduled face-to-face and/or online contact. Any additional time beyond the prescribed contact hours should be spent in making sure that you understand the lecture material, completing the set assignments, further reading, and revising for any examinations.

On-campus class attendance

Physical distancing recommendations must be followed for all face-to-face classes. To ensure this, only students enrolled in those classes will be allowed in the room. Class rosters will be attached to corresponding rooms and circulated among lab demonstrators and tutors. No over-enrolment is allowed in face-to-face class. Students enrolled in online classes can swap their enrolment from online to a **limited** number of on-campus classes by Sunday, Week 1.

In certain classroom and laboratory situations where physical distancing cannot be maintained or the staff running the session believe that it will not be maintained, face masks will be designated by the course coordinator as **mandatory PPE** for students and staff. Students are required to bring and use their own face mask. Mask can be purchased from IGA Supermarket (Map B8, Lower Campus), campus pharmacy (Map F14, Middle Campus), the post office (Map F22, Upper Campus) and a vending machine in the foyer of the Biological Sciences Building (Map E26, Upper Campus).

Your health and the health of those in your class is critically important. You must stay at home if you are sick or have been advised to self-isolate by NSW health or government authorities. Current alerts and a list of hotspots can be found here. Do not come to campus if you have any of the following symptoms: fever (37.5 °C or higher), cough, sore throat, shortness of breath (difficulty breathing), runny nose, loss of taste, or loss of smell. If you need to have a COVID-19 test, you must not come to campus and remain in self-isolation until you receive the results of your test.

You will not be penalised for missing a face-to-face activity due to illness or a requirement to self-

isolate. We will work with you to ensure continuity of learning during your isolation and have plans in place for you to catch up on any content or learning activities you may miss. Where this might not be possible, an application for fee remission may be discussed. Further information is available on any course Moodle or Teams site.

For more information, please refer to the FAQs: https://www.covid-19.unsw.edu.au/safe-return-campus-faqs

Note: This course outline sets out description of classes at the date the Course Outline is published. The nature of classes may change during the Term after the Course Outline is published. Moodle should be consulted for the up to date class descriptions. If there is any inconsistency in the description of activities between the University timetable and the Course Outline (as updated in Moodle), the description in the Course Outline/Moodle applies.

Image Credit

Please look at:

https://www.un.org/sustainabledevelopment/wp-content/uploads/2019/01/SDG_Guidelines_AUG_2019_Final.pdf

CRICOS

CRICOS Provider Code: 00098G

Acknowledgement of Country

We acknowledge the Bedegal people who are the traditional custodians of the lands on which UNSW Kensington campus is located.