

## Course Outline

**Code: PUB102**

**Title: Environment and Health**

<b>School:</b>	Health & Sport Sciences
<b>Teaching Session:</b>	Semester 2
<b>Year:</b>	2020
<b>Course Coordinator:</b>	Ms Jane-Louise Lampard Email: <a href="mailto:jlampard@usc.edu.au">jlampard@usc.edu.au</a> Tel: 07 5456 5712
<b>Course Moderator:</b>	Dr Kathryn Wenham Email: <a href="mailto:kwenham@usc.edu.au">kwenham@usc.edu.au</a> Tel: 07 5459 4541

Please go to the USC website for up to date information on the teaching sessions and campuses where this course is usually offered.

### 1. What is this course about?

#### 1.1 Description

This is a foundation course to develop your knowledge and understanding of the fundamental relationships between our biophysical environment and human health within a sustainability context. You will use a complex systems framework to explore the nature, scope and consequences of local and global environmental changes, culture, economics and politics on human and ecosystem health. Issues investigated include: global atmospheric changes; water quality and supply; aquatic ecosystems; food security and agro-ecosystems; emerging diseases and antibiotic resistance; energy and transport.

#### 1.2 Course topics

Trans-disciplinary 'ecohealth' approach  
The sustainability mandate  
Resilience thinking  
Systems thinking  
Application of complex eco-systems frameworks  
Consequences to human health and well-being of phenomena such as climate change and loss of biodiversity, forests and marine life  
How human activities contribute to existing and emerging global ecological issues and trends;  
Managing for sustainable healthy futures

### 2. What level is this course?

100 level Introductory - Discipline knowledge and skills at foundational level, broad application of knowledge and skills in familiar contexts and with support. Normally associated with the first full-time year of an undergraduate program

### 3. What is the unit value of this course?

12 units

#### 4. How does this course contribute to my learning?

<b>Specific Learning Outcomes</b> On successful completion of this course, you should be able to:	<b>Assessment tasks</b> You will be assessed on the learning outcomes in task/s:	<b>Graduate Qualities or Professional Standards mapping</b> Completing these tasks successfully will contribute to you becoming:
Define key terms related to ecological sustainability and health.	Task 1: Online quizzes	Knowledgeable
Describe the key elements of selected systems frameworks for linking environment and health.	Task 1. Online quizzes Task 2. Journal club structured reflection	Knowledgeable Sustainability focused.
Summarise the key biophysical and socio-economic dimensions of selected sustainability issues.	Task 2. Journal club structured reflection Task 3. Critical review assignment	Sustainability-focussed. Knowledgeable.
Discuss ethical dimensions of selected sustainability issues.	Task 2. Journal club structured reflection Task 3. Critical review assignment	Sustainability-focussed.
Access and evaluate current scientific knowledge on selected environment and health topics.	Task 3. Critical review assignment	Sustainability-focussed. Empowered.
Appraise the level of scientific uncertainty in relation to emerging global ecological issues.	Task 3. Critical review assignment	Sustainability-focussed.

#### 5. Am I eligible to enrol in this course?

Refer to the [USC Glossary of terms](#) for definitions of “pre-requisites, co-requisites and anti-requisites”.

##### 5.1 Enrolment restrictions

Nil

##### 5.2 Pre-requisites

Nil

##### 5.3 Co-requisites

Nil

##### 5.4 Anti-requisites

Nil

##### 5.5 Specific assumed prior knowledge and skills (where applicable)

Nil

## 6. How am I going to be assessed?

### 6.1 Grading scale

Standard – High Distinction (HD), Distinction (DN), Credit (CR), Pass (PS), Fail (FL)

### 6.2 Details of early feedback on progress

Early feedback on understanding of key concepts for this course is provided via a practice online quiz in Week 2 and multiple attempt online quizzes from Week 3 onwards.

### 6.3 Assessment tasks

Task No.	Assessment Tasks	Individual or Group	Weighting %	What is the duration / length?	When should I submit?	Where should I submit it?
1	Online quizzes	Individual	30%	10 online quizzes	Weeks 3, 4, 5, 6, 7, 8, 10, 11, 12, 13	Blackboard
2	Journal club structured reflection - <i>Written reflection</i>	Individual	30%	600 words	Thursday Week 9	Blackboard
3a	Critical literature review plan	Individual	0%	N/A	Week 11 Workshop	Blackboard
3b	Critical literature review	Individual	40%	1500 words	4pm Tuesday in Week 1 of exam period	Blackboard
			100%			

#### Assessment Task 1: Online quizzes, 30% (10 x 3%)

<b>Goal:</b>	To demonstrate your understanding of key environment and health, and sustainability terms and concepts
<b>Product:</b>	On-line quizzes
<b>Format:</b>	Completion of 10 online quizzes
<b>Criteria:</b>	You will be assessed on the: <ul style="list-style-type: none"> <li>• Accuracy of responses provided.</li> </ul>

#### Assessment Task 2: Journal club structured reflection – *Written reflection*, 15% (individual)

<b>Goal:</b>	To demonstrate your skill in engaging with scholarly literature through structured reflection
<b>Product:</b>	Written reflection of prescribed reading developed by applying a structured reflection framework
<b>Format:</b>	Written reflection
<b>Criteria:</b>	You will be assessed on the: <ul style="list-style-type: none"> <li>• Understanding of key concepts (complex systems, resilience and socio-ecological models of health and content presented in the prescribed reading)</li> <li>• Depth of critical reflection</li> <li>• Clarity of your communication of the content of the prescribed reading</li> </ul>

**Assessment Task 3a: Critical literature review plan (Formative)**

<b>Goal:</b>	To demonstrate your skill in planning and conducting a critical review of scholarly literature
<b>Product:</b>	Critical literature review plan
<b>Format:</b>	The critical review plan will follow the template provided
<b>Criteria:</b>	You will be assessed on the: <ul style="list-style-type: none"> <li>• Appropriateness of interpretation of literature review question</li> <li>• Appropriateness of search terms and strategy</li> <li>• Accuracy of literature review structure</li> </ul>

**Assessment Task 3b: Critical review, 40%**

<b>Goal:</b>	To demonstrate your skills in critically reviewing the current state of knowledge about a current global ecological issue, and identifying gaps and areas of uncertainty.
<b>Product:</b>	Critical literature review
<b>Format:</b>	The critical review will be a maximum of 1500 words and presented in literature review format. The review should include the following sections: Title page; Introduction; Main body; Summary; List of References (Harvard Style).
<b>Criteria:</b>	You will be assessed on the: <ul style="list-style-type: none"> <li>• Range and quality of data sources and data</li> <li>• Application of complex systems and socio-ecological framework concepts</li> <li>• Synthesis of key findings</li> <li>• Adherence to genre, and</li> <li>• Quality of syntax and mechanics.</li> </ul>

**7. What are the course activities?**

**7.1 Directed study hours**

The directed study hours listed here are a portion of the workload for this course. A 12 unit course will have total of 150 learning hours which will include directed study hours (including online if required), self-directed learning and completion of assessable tasks. Directed study hours may vary by location. Student workload is calculated at 12.5 learning hours per one unit.

This course will be delivered via technology-enabled learning and teaching. All workshops will remain in this mode for Semester 2 2020. When government guidelines allow, and if practical, students that elected on-campus study via the class selection process will be advised via Blackboard if/when on-campus sessions can resume.

<b>Location:</b>	<b>Directed study hours for location:</b>
USC Sunshine Coast	Over the 13-week semester you will engage in 10 weeks of independent (2 hours) and collaborative (2 hours) learning per week, and 3 weeks of fully independent learning (3 hours).

**7.2 Course content**

<b>Week #</b>	<b>What key concepts/content will I learn?</b>
1	Complex systems & resilience
2	Sustainable development & socio-ecological models of health
3	Changes in global atmosphere: implications for ecosystems and human health
4	Biodiversity

5	Water quality & quantity
6	Aquatic ecosystems: food supply and persistent pollutants
7	Emerging diseases & antibiotic resistance
8	Agro-ecosystems: forests and food supply
9	Global trends in transport and energy
10	Interpreting & evaluating ecosystem health evidence
11	Managing for sustainable healthy futures
12	Urbanisation and coastal development
13	Global perspectives & resilience thinking revisited

Please note that the course content may be subject to variation.

## 8. What resources do I need to undertake this course?

Please note that course information, including specific information of recommended readings, learning activities, resources, weekly readings, etc. are available on the course Blackboard site. Please log in as soon as possible.

### 8.1 Prescribed text(s)

Please note that you need to have regular access to the resource(s) listed below as they are required:

Author	Year	Title	Publisher
Miller G. and Spoolman S.,	2019	Living in the Environment (20 <sup>th</sup> Edition)	Cengage Learning Inc.

### 8.2 Specific requirements

Nil

## 9. Risk management

Health and safety risks for this course have been assessed as low.

It is your responsibility as a student to review course material, search online, discuss with lecturers and peers, and understand the health and safety risks associated with your specific course of study. It is also your responsibility to familiarise yourself with the University's general health and safety principles by reviewing the [online Health Safety and Wellbeing training module for students](#), and following the instructions of the University staff.

## 10. What administrative information is relevant to this course?

### 10.1 Assessment: Academic Integrity

Academic integrity is the ethical standard of university participation. It ensures that students graduate as a result of proving they are competent in their discipline. This is integral in maintaining the value of academic qualifications. Each industry has expectations and standards of the skills and knowledge within that discipline and these are reflected in assessment.

Academic integrity means that you do not engage in any activity that is considered to be academic fraud; including plagiarism, collusion or outsourcing any part of any assessment item to any other person. You are expected to be honest and ethical by completing all work yourself and indicating in your work which ideas and information were developed by you and which were taken from others. You cannot provide your assessment work to others. You are also expected to provide evidence of wide and critical reading, usually by using appropriate academic references.

In order to minimise incidents of academic fraud, this course may require that some of its assessment tasks, when submitted to Blackboard, are electronically checked through SafeAssign. This software allows for text comparisons to be made between your submitted assessment item and all other work that SafeAssign has access to.

## 10.2 Assessment: Additional requirements

### Eligibility for Supplementary Assessment

Your eligibility for supplementary assessment in a course is dependent of the following conditions applying:

- a) The final mark is in the percentage range 47% to 49.4%
- b) The course is graded using the Standard Grading scale
- c) You have not failed an assessment task in the course due to academic misconduct

## 10.3 Assessment: Submission penalties

Late submission of assessment tasks will be penalised at the following maximum rate:

- 5% (of the assessment task's identified value) per day for the first two days from the date identified as the due date for the assessment task.
- 10% (of the assessment task's identified value) for the third day
- 20% (of the assessment task's identified value) for the fourth day and subsequent days up to and including seven days from the date identified as the due date for the assessment task.
- A result of zero is awarded for an assessment task submitted after seven days from the date identified as the due date for the assessment task.

Weekdays and weekends are included in the calculation of days late.

To request an extension, you must contact your Course Coordinator and supply the required documentation to negotiate an outcome.

## 10.4 Study help

In the first instance, you should contact your tutor, then the Course Coordinator. Additional assistance is provided to all students through Academic Skills Advisers. To book an appointment or find a drop-in session go to [Student Hub](#). Contact Student Central for further assistance: +61 7 5430 2890 or [studentcentral@usc.edu.au](mailto:studentcentral@usc.edu.au)

## 10.5 Wellbeing Services

Student Wellbeing Support Staff are available to assist on a wide range of personal, academic, social and psychological matters to foster positive mental health and wellbeing for your success. Student Wellbeing is comprised of professionally qualified staff in counselling, health and disability Services.

Ability Advisers ensure equal access to all aspects of university life. If your studies are affected by a disability, mental health issue, learning disorder, injury or illness, or you are a primary carer for someone with a disability, [AccessAbility Services](#) can provide assistance, advocacy and reasonable academic adjustments.

To book an appointment with either service go to [Student Hub](#), email [studentwellbeing@usc.edu.au](mailto:studentwellbeing@usc.edu.au) or [accessability@usc.edu.au](mailto:accessability@usc.edu.au) or call 07 5430 1226

## 10.6 Links to relevant University policy and procedures

For more information on Academic Learning & Teaching categories including:

- Assessment: Courses and Coursework Programs
- Review of Assessment and Final Grades
- Supplementary Assessment
- Administration of Central Examinations
- Deferred Examinations
- Student Academic Misconduct
- Students with a Disability

Visit the USC website:

<http://www.usc.edu.au/explore/policies-and-procedures#academic-learning-and-teaching>

## 10.7 General Enquiries

**In person:**

- **USC Sunshine Coast** - Student Central, Ground Floor, Building C, 90 Sippy Downs Drive, Sippy Downs
- **USC Moreton Bay** – Service Centre, Ground Floor, Foundation Building, Gympie Road, Petrie
- **USC SouthBank** - Student Central, Building A4 (SW1), 52 Merivale Street, South Brisbane
- **USC Gympie** - Student Central, 71 Cartwright Road, Gympie
- **USC Fraser Coast** - Student Central, Student Central, Building A, 161 Old Maryborough Rd, Hervey Bay
- **USC Caboolture** - Student Central, Level 1 Building J, Cnr Manley and Tallon Street, Caboolture

**Tel:** +61 7 5430 2890

**Email:** [studentcentral@usc.edu.au](mailto:studentcentral@usc.edu.au)