## UCEAP Pacific Island Environmental and Community Health-
Australia and Solomon Islands: 2018 Syllabus

### ASIP006: From Global to Community Environmental Health

**Description**

This course introduces the core concepts relating to environmental health – that is the links between changing environments and the subsequent impacts to human health and wellbeing, particularly impacts at community-scales. It explores critical drivers causing changes to environments, both anthropogenic and natural in origin, operating at global and local scales. The course also reviews basic ecological processes, exploring how ecosystems change and adapt to pressures. Building on this understanding of changing environments, the course then explores how humans are impacted, focusing on human health and wellbeing. It explores different relationships between human health and wellbeing, and water resources, crops, food and diets, air pollution and other changes to local natural resources. The course uses case studies to investigate different strategies to mitigate or overcome environmental health impacts, using contemporary approaches such as changing human behaviours and integrating across health, nutrition, natural resources and water sectors.

### Lectures and Learning Activities

- **ASIP006.1** Welcome to country/ Indigenous knowledge and use of coastal environments (Bush Tucker walk) (2hrs)
- **ASIP006.2a** Environmental Health: links between the environment and human health and wellbeing (1hr)
- **ASIP006.2b** Outdoor activity identifying environmental health interactions (1hr)
- **ASIP006.3** Global trends in Environmental Health and inequalities (2hrs)
- **ASIP006.4a** Australian Aboriginal culture/ health issues (2hr)
- **ASIP006.4b** Yulu Burri-ba Health clinic visit (1hrs)
- **ASIP006.5b** Workshop and tutorial: Environmental Drivers of Change- Group Presentation Project (3hrs)
- **ASIP006.5c** Group Presentations: Environmental Drivers of Change- (Assessed-2hrs)
- **ASIP006.6** Foundations in Ecology (2hrs)
- **ASIP006.7** Ecological resilience, functional redundancy and **strength** in biodiversity (where would you rather be at the end of the world?!) (2hrs)
- **ASIP006.8** Workshop: Ecosystems dynamics (2hrs)
- **ASIP006.9** Workshop: Human Interactions with ecosystems (2.5hrs)
- **ASIP006.10** Ethical considerations in community interventions (1hr)
- **ASIP006.11** Community Health initiatives to improve Environmental Health (1hr)
- **ASIP006.12** Enabling actors and agendas to improve Environmental Health (1.5hrs)
- **ASIP006.13** Measuring the impacts of interventions (1hr)
- **ASIP006.14** The impact of changing environments on nutrition-related health (1.5hrs)
- **ASIP006.15** Healthy food for healthy Solomon Islanders (including case studies) (1.5hr)
- **ASIP006.16** WASH and environmental health, globally and Solomon Islands (1hr)
- **ASIP006.17** Intervention case studies: Community water (1hr)
- **ASIP006.18** Intervention case studies: Community sanitation, hygiene (1hr)
- **ASIP006.19** Human- environmental linkages in Melanesia: Natural resources & people (1.5hrs)
- **ASIP006.20** Fisheries resources- vertebrate and invertebrate (1.5hrs)
- **ASIP006.21** Rubbish collection & disposal (1 hr)
- **ASIP006.22** Air Pollution (1hr)
- **ASIP006.23** Human migration caused by environmental change and other factors (1hr)
Activities and Excursions - Solomon Islands

Fred Hollows Eye Clinic, Honiara Referral Hospital (2.5hrs)
Guest Lecture SINU (2hr)
Guest Lecture SI Govt Env Health Officer (2hr)
Coconut Processing (2hrs)
Ngali Nut Organic farms (2hrs)
SDA Markets (1.5hr)
Q & A panel with village representatives (3hrs)
Helena Goldie Hospital Visit (2 hrs)
Medicinal plant walk and talk (4hrs)
Markets & Clean up activity (4hrs)

Location

This course is largely delivered in the Australian component of the program with lectures and tutorials delivered at UQ (Brisbane and North Stradbroke Island campuses), and some guest lectures and site visits in the Solomon Islands.

Assessment

Exam (40%)
Report (40%)
Group project presentation (10%)
Excursion reflection (10%)

CREDIT: 6 UC quarter units
ASIP002: Methods in Environmental Health and Science

Description

This course provides essential practical knowledge and skills for assessing ecosystem health, environmental health and human community functionality. It has a primary aim of skills development so is largely laboratory and field based. It explicitly identifies linkages with learning elements from the lecture courses (ASIP003 & 006) and provides training that underpins research project development for ASIP005.

Lectures and Learning Activities

ASIP002 Introduction (1hr)
ASIP002.1 Intro to snorkelling (2hrs)
ASIP002.2 Introduction to social research (1hr)
ASIP002.3 Introduction to Rapid Rural Appraisal (1hr)
ASIP002.4 Field Techniques (3hrs)
ASIP002.5 Practical workshops on field methods (3hrs)
ASIP002.6 Forest & understory complexity & integrity measures Daves Creek- (1 day)
ASIP002.7 Diversity & abundance (1hr)
ASIP002.8a Field Activity: Invertebrate survey (2hrs)
ASIP002.8b Invertebrate Identification workshop (3hrs)
Central Markets (ASIP006 activity- Use of pidgin assessed) (2hrs)
WaSH survey techniques (2hrs)
WaSH surveys (Full day)
WaSH analysis (assessed-2hrs)
Kolombangara (5hrs + 3hrs) Field research Techniques
Nusa Tuva (3 hrs + 3hrs) Field research Techniques
Nusa Tuva Resource map (assessed-4hrs)

Location

Learning activities are split between UQ and SI, with training field work to be carried out at Lamington National Park and North Stradbroke Island and practical application of skills during the Solomon Islands component of the program

Assessment

Exam (50%) 2 hours
Magazine Submission or Poster/ Infographic: for distribution in Solomon Islands (to give back to the community) (25%)
Field Workbook (25%)

CREDIT: 4.5 UC quarter units
ASIP003: Culture and History of Oceania

Description

This course provides an introduction to the peoples of the Solomon Islands and the South Pacific more generally (with a focus on Melanesia). Addressing ecosystem and environmental health issues requires a sound knowledge of the social, historical, economic and political factors that have informed contemporary life-ways. Drawing on a wide range of ethnographic and historical sources and working at the intersections of anthropology, human geography, political science and development studies, this course offers students a critical overview of (many of) the myriad factors that have shaped human-environment relations and well-being in the Pacific, both past and present. Questions explored include: How, when and why have consumption patterns, livelihood strategies and resource use and governance systems changed? How might human health, environmental sustainability, local definitions of value and systems of social order be inter-connected? What, if any, are the linkages between linguistic and ecological diversity? How might local/indigenous (or ‘traditional’) ecological knowledge (LEK) systems differ from ‘Western’ or scientific ‘ways of knowing’ and what are the consequences for human and environmental health? These and other questions are explored through an examination of regional and local case-studies. Thematic topics include: socio-cultural and historical particulars; kinship and personhood; missionisation and colonialism; the role(s) of chiefs [Jif], church [Lotu/Jois] and custom [kastom] in shaping contemporary life; regional and local economics; cultural heritage; ‘traditional’ resource use and governance; post-Independence development initiatives (with a focus on marine conservation); and local perceptions of environmental change.

Lectures and Learning Activities

ASIP003 Introduction (1hr)
ASIP003.1 Impacts of Culture and History on Environmental Health (1hr)
ASIP003.2 Environmental & social change in the Pacific Islands: An introduction (1hr)
ASIP003.3 Demography of Solomon Islands Communities (1hr)
ASIP003.4 A brief history of Oceania (Part I): Human colonisation, European ‘exploration’ and the arrival of the missionaries (1hr)
ASIP003.5 A brief history of Oceania ((Part II): Headhunting, traders, colonialism, World War II and independence (1hr)
ASIP003.6 The social context (Part I): Culture, personhood, kinship, kastom and place
ASIP003.7 The social context (Part II) [continued] (Total 2hrs)
ASIP003.8 Rural and urban contemporary lifeways (1hr)
ASIP003.9 Development (Part I): Extractive development and the ‘paradox of plenty’ (Solomon Islands and Vanuatu) (1hr)

ASIP003.10 Development (Part II): Foreign Aid, alternative/sustainable development and conservation (1hr)
ASIP003.11 The ‘Tensions’: Civil unrest in the Solomon Islands, 1998- 2003 (Clive Moore 1hr)
ASIP003.12 Plural ways of knowing and doing: Prospects and challenges for environmental health (1hr)
ASIP003.13 Workshop- Dress, behavioural codes and personal safety (At UQ and Honiara -Total 2hrs)
ASIP003.W1-5 Workshops: An introduction to Solomons Pidgin x 5 (At UQ, Honiara, Kolombangara and Nusa Tuva- Total 10hrs)
**Activites and Excursions - Solomon Islands**
Visit to UQ museum/ art gallery (2hrs)
Visit War Memorial (2hrs)
Church (SDA) (3hrs)
Motu Cooking afternoon (4hrs)
Morning at War museum (2hrs)
Lokuru village visit/ tour (4hrs)
Community meeting and welcome (3hrs)
Football and Farewell Function (3hrs)

**Location**
Formal lectures and introductory Pidgin workshops will be at UQ campus while excursions and further Pidgin workshops will be conducted in Solomon Islands.

**Assessment**
Exam (50%) 2 hours
Essay (30%) 2000 words - selected from a range of topics
Cultural Diary (20%)

**CREDIT: 4.5 UC quarter units**
### ASIP005: Capstone Research Project

**Description**

This course code is indicative of a group research project focusing on a specific topic chosen from a list of approved topics selected by the participating faculty coordinators prior to the commencement of the program. Data collection and research activities are carried out as a group throughout the duration of the program, with the final research report completed independently. The research reports are submitted individually, with students presenting their research in their groups within a seminar structure. The project topic can come from any of the themes delivered throughout the program and will be developed based on factors such as faculty and local expertise, equipment availability and ethical considerations. This project represents an outstanding opportunity for students to develop real-world research skills and practical solutions for challenging problems.

**Learning Activities**

- **Capstone Introduction:** Introduction to Capstone topics and instructions for student selection of preferences
- **Capstone Workshop I (2hrs)**
- **Capstone Workshop II (2hrs)**
- **Capstone Workshop (2hrs)**
- **Capstone/ Review of techniques (3 hrs)**
- **Full days with families in Dundee-return to Munda at night- Research and data collection** (some analysis at night) x 3 days
- **Data analysis & write up workshops half days x 5 (4hrs each)**

**Location**

Preliminary workshops will be held in Brisbane but the majority of Capstone research will be conducted in Solomon Islands.

**Assessment**

- **Literature Review & Annotated Bibliography (30%)**
- **Seminar Presentation (20%)**
- **Report (50%)**

**CREDIT:** 4.5 UC quarter units