



PUBLIC HEALTH - POSTGRADUATE

Health & Ecology



The Postgraduate Diploma Health & Ecology examines the inter-relationships between the well-being of communities, health of people and ecological condition of their surroundings. It will suit those who see environmental issues in a broader societal context, or those who believe that the socio-economic and environmental determinants of human health require careful investigation. Offered through part-time online external study.

Post Graduate Diploma of Health and Ecology

Admission Requirement

An undergraduate degree OR

Relevant postgraduate qualification

Course Requirements

Units 1 – 6

ENVIRONMENTAL MANAGEMENT SPECIALISATION

If Env. Health minor completed at undergraduate level:

1. SCI5105 Catchment Health
2. SCI5250 Environmental Impact Assessment Procedures
3. – 6. Four units selected from:
HST5501 Law and Ethical Issues (Health Services)
HST5508 Planning and Evaluation (Health Services)
SCI5115 Inland Aquatic Systems
SCI5123 Coastal and Marine Systems
SCI5124 Land Degradation and Management

ENVIRONMENTAL HEALTH SPECIALISATION

If minimal previous studies in Env. Health:

1. SCI5105 Catchment Health
2. HST5130 Principles of Environmental Health
3. – 6. Four units selected from:
HST5111 Health Promotion Strategies
HST5113 Health Promotion Planning
HST5120 Epidemiology
HST5231 Current Issues in Environmental Health
SCI5115 Inland Aquatic Systems
SCI5123 Coastal and Marine Systems
SCI5124 Land Degradation and Management

PUBLIC HEALTH SPECIALISATION

If Env. Management/Science minor completed at undergraduate level:

1. SCI5105 Catchment Health
2. HST5120 Epidemiology
3. – 6.
HST5111 Health Promotion Strategies
HST5117 Communicable Disease
HST5130 Principles of Environmental Health
HST5161 Public Health Philosophy, Principles and Practice
OHS5101 Prevention of Accidents and Ill Health at Work 1

Further Study with Advanced Standing

Master of Public Health

Unit Descriptions

Core Units

HST5120

Epidemiology

This unit provides an introduction to the epidemiological concepts necessary for studying the distribution and determinants of disease in human populations. Topics covered include: definition and history of epidemiology; sources of health information; methods used to analyse and describes the frequency of disease and health risk factors; epidemiological research design; assessment of risk; measurement and error bias; epidemiological associations and causality; presentation of epidemiological data; the investigation of disease outbreaks; screening for disease; socioeconomic and other differentials in health status.

HST5130

Principles of Environmental Health

This unit aims to identify, analyse and assess scientific concepts, methods and research concerning environment and human health interactions. The major physical, chemical and biological health hazards of the environment will be examined. Topics covered include: ecology, population, environmental degradation and health; human biology and environmental disease; communicable disease control; pollution and health; food safety and water quality and environmental health management.

SCI5105

Catchment Health

This unit presents an integrated approach to the health of the catchment as a geographical, ecological, political and social unit. It is based on the principles of ecosystem health, the ecological footprint, integrated catchment management, and ecologically sustainable development. Accordingly, it deals with the management of natural resources in order to maximise benefits to the health of its occupants, the ecosystem's biophysical components, and the well-being of communities.

SCI5250

Environmental Impact Assessment Procedures

This unit examines the role of environmental impact assessment as part of an environmental decision making process in land using planning, resource management and development projects. The legislative basis for environmental impact assessment and administrative and technical procedures are investigated. Experience is gained in the conduct of environmental impact assessment. This unit aims to provide students with the theoretical knowledge and skills needed to be an effective member of an environmental assessment project team.

Other unit descriptions are available online:

www.ecu.edu.au

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For more information or an application form:

E-mail: publichealth@ecu.edu.au

PhoneL (61 8) 6304 5448