

## Curriculum Mapping Biology

CISAustralia is a third party provider based in Australia and the US that offers 60+ global study, intern and volunteer programs in 24+ countries. The mission of CISAustralia is to provide innovative education programs that broaden academic perspectives, promote global awareness, and encourage personal development while laying the foundation for participants to become engaged world citizens.

### **Purpose:**

Through curriculum mapping, CISAustralia and its partner Universities will collaborate with the appropriate academic departments and / or Faculties to map CIS course offerings to related University courses – within specified degree programs and promote study abroad opportunities that are fully vetted by faculty members. This will allow students to know they have course pre-approval and related access to OS-HELP.

Please find the following CIS courses related to Biology:

### [July in San Jose, Costa Rica](#)

5/7/14 to 9/8/14 (5 Week Program)

5/7/14 to 30/8/14 (8 Week Program)

31/5/14 to 26/8/14 (4 Week Spanish Intensive)

### **ENV 3190: Tropical Marine Biology (4 credits)**

**Description:** The course studies the balance between ecosystems and human' stress and demands on the constant changing Marine environment.

### **PSY-2200: Health Psychology (3 credits)**

**Description:** The World Health Organization defines health as being “a state of complete physical, mental, and social well- being and not merely the absence of disease or infirmity”. Based on this definition, the concepts of health and illness have changed. Nowadays, health care professionals have to tackle the health from a bio-psycho-social concept. For this reason, it is extremely important for health care professionals (doctors, nurses, physiotherapists, just to mention some) to have general information about Health Psychology, which studies how biology, behavior, and social context influence health and illness. In this way, health care professionals can have an integral approach to the patients under their treatment. This will discuss some of the most common topics related with Health Psychology and pertinent to practice in the health care professions.

[July in Los Angeles, CA, USA](#)

23/6/14 to 1/8/14 (6 Week Program)

No biology classes available at time this document was established. Please contact CISAustralia for more information.

[July in Cusco, Peru](#)

21/5/14 to 28/6/14

2/7/14 to 9/8/14 (5 Week Sessions)

**Biodiversity of Peru (English) (Between 3 and 4 Credits)**

**Description:** Peru's astonishing biodiversity puts it among the top 12 most bio-diverse countries in the world. This theoretical course will focus on developing the skills needed to analyse and value the components of biodiversity. You'll identify the potentials of this biodiversity and the tools needed for its sustainable use and conservation

[January in Dunedin, New Zealand](#)

4/1/14 to 22/2/14 (6 Week Session)

**Introduction to Biological Anthropology**

**Description:** Biological anthropology is the study of human biology with an emphasis on the whole person, compared with the biomedical sciences such as anatomy and biochemistry where emphasis is on the components of the person. Some of the questions that are addressed in this paper are: how and why do people vary biologically? How does culture influence biology? How and why are humans different from our closest relatives, the great apes? How did humans evolve their unique and complex biological characteristics? Biological anthropology at Otago has particular strengths in the areas of: biology of prehistoric humans, with an emphasis on the use of human skeletal remains from archaeological sites as primary sources of information, including the application of new technologies such as genetics and bone chemistry; human evolution, with an emphasis on the musculo-skeletal system. The program is interdisciplinary, designed to make use of these strengths and to be applicable to students from all Divisions of the University, regardless of whether or not they have previously studied biology, biochemistry or chemistry. The unique resources of the Department of Anatomy are used in the class.

### **The Chemical Basis of Biology and Human Health**

**Description:** An introduction to the concepts of chemistry underlying important processes in biology and human health, including energetics, kinetics, equilibria and solubility, properties of water and solutions, acids, bases, coordination and 3 electron transfer, hydrolysis, reactions of organic molecules, amino acids and proteins.

### **Forensic Biology**

**Description:** Increasingly, forensic investigations have come to rest on the techniques of forensic biology to provide vital evidence in homicides, violent crimes, disaster identification and even minor crimes. These techniques are also commonly used in a wide range of professional areas such as the investigation of crimes against humanity, forensic archaeology and wildlife protection. The course is designed as an introduction for the student who is interested in analysing biological evidence as it relates to legal and other investigations, or collecting and processing evidence at a crime scene or in a laboratory. The Forensic Biology course provides a strong basis in modern forensic biology techniques. The multidisciplinary nature of forensics depends on the integration of scientific skills within a forensic context, and hence the course includes a wide spectrum of topics.

### **Biology and Physics**

**Description:** The paper is intended for students who have passed their laboratory component in the 2013 Semester One PHSI 191 course but failed the paper overall with a total mark of at least 30%. This paper will be similar to PHSI 191, although there will be no laboratory component, and it will have significantly more tutorial- style contact. The laboratory component of a student's internal assessment in the 2013 Semester One paper will be carried over to the Summer School paper.



### Volunteering Opportunities:

CISAustralia offer a wide range of experiential volunteer programs. Specific to biology, CISAustralia offers the following program:

- Belize: The Belize Marine Conservation Project with PADI Certification
- Ghana: Medical Placements in Ghana
- South Africa: Medical Assistance and Social Outreach in Cape Town
- Vietnam: Monkey Preservation at a primate Sanctuary

### Internship Opportunities:

CISAustralia offer a wide range of professional unpaid internship programs that are customized to each individual student. CISAustralia can offer internships in over six (6) global locations.

#### **Contacts:**

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