2008 handbook

amendments

Science

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Handbook Errata

Please note that the following update should be read in conjunction with the complete published version of the handbook on www.usyd.edu.au/handbooks

- All amendments are listed by item number and referenced by the page to which it refers.
- The relevant handbook and those amendments listed below are binding and final.
- Inquiries and questions relating to the information below should be directed to the faculty. Contact details for the faculty can be found in the handbook.

Item	Amendment	Handbook page number
1		
2	**Amendments to Chapter 3 – Table 1 units of study available to Students in the BSc and combined degrees** **Intermediate Chemistry pre-requisites** CHEM1108 and CHEM1109 satisfy perquisite requirements for CHEM2401, 2402, 2911, 2915, 2402, 2912 and 2916. **GEOS2115** Oceans, Coasts and Climate Change will be offered in **semester 1**, 2008 **GEOS2815** Oceans, Coasts and Climate Change (Adv) will be offered in **semester 1**, 2008 **MATH3062** Algebra and Number Theory will be offered in **semester 1**, 2008 **MATH3974** Fluid Dynamics will be offered in **semester 2**, 2008 **MATH 3977** Lagrangian & Hamiltonian Dynamics will be offered in **semester 1**, 2008 **PSYC3020** Health Psychology is to be offered in **semester 2**, 2008	46-86
3	**Amendments to Chapter 4 – Bachelor of Science specialist degree programs** **Table 1C: Bachelor of Science (Marine Science)** B Intermediate Units of Study Students should enrol in:- BIOL2018/2918 Introduction to Marine Biology/(Adv) AND GEOS2115/2915 Oceans, Coasts and Climate Change/(Adv) Note that GEOS2115/2915 is offered in semester 1, 2008 and requires attendance at a three day residential field school during the week before lectures commence: Monday 25 to Wednesday 27th February 2008 inclusive.	93
4	**Amendments to Chapter 10 – Undergraduate Units of Study** **Geosciences/ Marine Sciences** GEOS2115/2915 units were omitted from the Unit of study descriptions. GEOS2115/2915 Oceans, Coasts and Climate Change/(Adv) is offered in semester 1, 2008 and requires attendance at a three day residential field school during the week before lectures commence: Monday 25 to Wednesday 27th February 2008 inclusive.	

GEOS2115 **Oceans, Coasts and Climate Change**	6	**A** (GEOG1001, GEOL1001, GEOL1002, GEOS1003, GEOS1903, ENVI1002, GEOL1902, GEOL1501) **P** 48 credit points from Junior Units of Study **N** GEOS2915, MARS2006	Semester 1
GEOS2915 **Oceans, Coasts and Climate Change (Adv)**	6	**A** (GEOG1001, GEOL1001, GEOL1002, GEOS1003, GEOS1903, ENVI1002, GEOL1902, GEOL1501) **P** Distinction average in 48 credit points from Junior units of study **N** GEOS2115, MARS2006	

Assessment 2115

GEOS2115
Oceans, Coasts and Climate Change

1 written report (20% of total marks)
4 x web-based on-line reports (20% of total marks)
1 seminar presentation: field school (10% of total marks)
1 x 2 hour exam (50% of total marks)

Textbooks

Thurman, H.V. and Trujillo, A.P., 2004. *Introductory Oceanography*. Pearson, Prentice-Hall, 10th Edition. 608 p.

Course notes will be provided, compiled from the literature.

This Unit of Study introduces core concepts about how the formation of ocean basins and their influence on climate govern the development of coasts and continental margins. These concepts provide a framework for understanding the geographic variation of coasts, continental shelves and sediment accumulations in the deep ocean. Ocean-basin evolution is explained in terms of movements within the Earth's interior and how these movements determine the geometry of ocean basins, and their alpine counterparts, which interact with the global circulation of the ocean and atmosphere. Affects of this interaction on energy regimes and hydrology are described in accounting for regional controls that govern supply and dispersal of sediments on continental margins and in ocean basins. These controls include effects on wave climates, wind-driven currents and tidal regimes. These controls also govern environmental conditions determining development of coral reefs and other ecosystems that play a key role in marine sedimentation. The Unit of Study systematically outlines how these factors have played out with climate change to produce the beaches, dunes, estuaries and deltas we see today, as well as the less familiar deposits hidden beneath the sea. The Unit also outlines how knowledge of responses to climate change in the past allow us to predict responses of coasts to accelerated climate change occurring now and in the future due to the industrial greenhouse effect. Overall therefore, the Unit aims to provide familiarity with fundamental phenomena central to the study of marine geoscience, introduced through process-oriented explanations. The Unit of Study is structure around problem-based project work, for which lectures provide the theoretical background.

GEOS2915
Oceans, Coasts and Climate Change (Adv)

2 x written reports (55% of total marks)
4 x web-based on-line reports (20% of total marks)
1 x 1 hour exam: subset of GEOS2115 exam (25% of total marks)

Textbooks

Thurman, H.V. and Trujillo, A.P., 2004. *Introductory Oceanography*. Pearson, Prentice-Hall, 10th Edition. 608 p.

	Course notes will be provided, compiled from the literature. This unit has the same objectives as GEOS2115 and is suitable for students who wish to pursue aspects of the subject in greater depth. Entry is restricted and selection is made from the applicants on the basis of their performance to date. Students who elect to take this unit will participate in alternatives to some aspects of the standard unit and will be required to pursue independent work to meet unit objectives. The Unit of Study introduces core concepts about how the formation of ocean basins and their influence on climate govern the development of coasts and continental margins. These concepts provide a framework for understanding the geographic variation of coasts, continental shelves and sediment accumulations in the deep ocean. Ocean-basin evolution is explained in terms of movements within the Earth's interior and how these movements determine the geometry of ocean basins, and their alpine counterparts, which interact with the global circulation of the ocean and atmosphere. Affects of this interaction on energy regimes and hydrology are described in accounting for regional controls that govern supply and dispersal of sediments on continental margins and in ocean basins. These controls include effects on wave climates, wind-driven currents and tidal regimes. These controls also govern environmental conditions determining development of coral reefs and other ecosystems that play a key role in marine sedimentation. The Unit of Study systematically outlines how these factors have played out with climate change to produce the beaches, dunes, estuaries and deltas we see today, as well as the less familiar deposits hidden beneath the sea. The Unit also outlines how knowledge of responses to climate change in the past allow us to predict responses of coasts to accelerated climate change occurring now and in the future due to the industrial greenhouse effect. Overall therefore, the Unit aims to provide familiarity with fundamental phenomena central to the study of marine geoscience, introduced through process-oriented explanations. The Unit of Study is structure around problem-based project work, for which lectures provide the theoretical background. **Mathematics & Statistics** **MATH3062** Algebra and Number Theory will be offered in **semester 1**, 2008 **MATH3974** Fluid Dynamics will be offered in **semester 2**, 2008 **MATH 3977** Lagrangian & Hamiltonian Dynamics will be offered in **semester 1**, 2008 **Nutrition** NUTR2911 and 2912 chemistry pre-requisites are satisfied by students who have completed CHEM1108 and CHEM1109 **Psychology** **PSYC3020** Health Psychology is to be offered in **semester 2**, 2008	
5	**Amendments to Chapter 14 – Doctorates in the Faculty of Science** There have been changes to the pre-requisites/co-requisites for **PSYC6066 Clinical Internship and Case Seminars 4.** The prerequisites/co-requisites are PSYC6013 **OR** PSYC6068 There have been changes to the pre-requisites/co-requisites for **PSYC6068 Clinical Internship 3**. The pre-requisites/co-requisites are PSYC6008 **OR** PSYC6067	
6	**Amendments to Chapter 24 – Postgraduate Medical Physics units** **PHYS5010 Project** is available in **both semesters 1 & 2**. The unit is offered for students who enrolled prior to 2008	

Authorised: Suzanne Winch, Administration Manager (Operations), 6th November 2007