

FACULTY OF LIFE AND SOCIAL SCIENCES - 2012 Science Unit of Study Listing

Semester 1

Unit of Study Code	Unit of study Title	Prerequisites
HAC0001	Careers In The Curriculum	Nil
HES1490	Introduction To Chemistry	Nil
HES1510	Chemistry 1	Nil (assumes knowledge of year 12 Chemistry)
HES1525	Chemistry 2	HES1510 or a credit in HES1490
HES1610	Concepts Of Biology	Nil
HES1710	Philosophy & Practice of Public & Environmental Health	Nil
HES2510	Investigative Chemistry Prac 1	HES1525
HES2540	Forensic & Analytical Science	HES1525
HES2621	Introduction To Biochemistry	HES1610 or HET102 ; and HES1510 or HES1490
HES2626	Biochemistry Of Genes & Proteins	HES2621 and HES1525
HES2631	The Microbial World	HES1610
HES2636	Microbes In The Environment	HES2631
HES2700	Food Science	HES1490 or HES1510
HES2710	Public And Environmental Health Law 1	HBSL100
HES2725	Food Safety 1	Nil
HES4510	Investigative Chemistry Prac 3	HES2510 or HES2515
HES4516	Research Project	Completion of 150 credit points of major
HES4520	Advanced Chemistry 1	HES2540 or HES2520
HES4621	Advanced Biochemistry	HES4641 or HES2626
HES4701	Research Skills	Completion of 100 cp of major
HES4710	Environmental Health Services Evaluation	HES1718 (HES1716) or HES1712
HES4720	Environmental Management	Nil
HES4730	Food Safety	HES2700, HES2636 and HES2725
HET102	Introduction To Physiology	Nil
HET219	Neurological Monitoring	HET102 or HES1610
HET227	Neurophysiology	HET102 or HES1610; and HET148 or HET182
HET231	Perception and Motor Systems	HET102 or HES1610; and HET148 or HET182
HET240	Cellular Biophysics	HET102 and either HET124 or HET182
HET242	Introductory Neurophysiology	Nil
HET408	Biomedical Imaging & Emerging Technologies	HMS213 or equivalent
HET422	Biomedical Project	Completion of 150 credit points of major
HET527	Sleep & Attention	HET 226 or HET219
HET528	Higher Cortical Function	HET231 or HET226

IMPORTANT: Students must refer to the timetable at
<http://www.swinburne.edu.au/hed/timetable/> for possible clashes

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Semester 2

Unit of Study Code	Unit of Study Title	Prerequisites
HAC0001	Careers In The Curriculum	Nil
HES1020	Introduction to Forensic Science	Nil
HES1490	Introduction To Chemistry	Nil
HES1510	Chemistry 1	Nil (assumes knowledge of year 12 Chemistry)
HES1525	Chemistry 2	HES1510 or a credit in HES1490
HES1555	Consumer Science	Year 12 Chemistry or HES1510
HES1610	Concepts Of Biology	Nil
HES1616	Concepts Of Biotechnology	Nil
HES1718	Sustainable Health Policy And Planning (replaces HES1716)	Nil
HES2515	Investigative Chemistry Prac 2	HES1525
HES2520	Chemistry 3	HES1525
HES2621	Introduction To Biochemistry	HES1610 or HET102; and HES1510 or HES1490
HES2631	The Microbial World	HES1610
HES2636	Microbes In The Environment	HES2631
HES2705	Water Science	HES1490 or HES1510
HES2715	Built And Sustainable Communities	Nil
HES2735	Communicable Disease Control	Nil
HES4516	Research Project	Completion of 150 credit points of major
HES4525	Advanced Chemistry	HES2540 or HES2520
HES4626	Biotechnology	HES4621
HES4628	Environmental Biotechnology	HES2621 or HES1610
HES4641	Practical Biochemistry	HES2621 and HES1525
HES4646	Biotechnology Research Project	HES4641
HES4705	Research Project	HES4701 or HES4700
HES4716	Health And Environmental Law 2	HBSL100 and HES2710
HES4720	Environmental Management	Nil
HES4725	Occupational Health And Safety	Nil
HET133	Human Physiology	Nil
HET148	Technology & Data Acquisition	Nil
HET226	Sensory Systems	HET102 or HET133
HET230	Cardiovascular Biophysics	HET102 and either HET124 or HET182
HET231	Perception & Motor Systems	HET102 or HES1610; and HET148 or HET182
HET235	Biomedical Electronics	HET182
HET241	Cardiopulmonary Physiology	Nil
HET260	Renal & Respiratory Biophysics	HET102 and either HET124 or HET182
HET419	Physiological Modelling	HET128 or HMS213
HET426	Instrumentation Project	Completion of 150 credit points of units from student's major
HET631	Abnormal Psychophysiology	HET527 or HET528 or HET227 or HET219 or equivalent
HMS102	Introduction To Statistics	Nil