

FACULTY OF LIFE AND SOCIAL SCIENCES - 2010 Science Unit of Study Listing

Semester 1

Unit of Study Code	Unit of study Title	Prerequisites
HES1490	Introduction To Chemistry	Nil
HES1510	Chemistry 1	Nil (assumes knowledge of year 12 Chemistry)
HES1610	Concepts Of Biology	Nil
HES1626	Professional Skills For Biotechnologists	Nil
HES1710	Philosophy & Practice of Public & Environmental Health	Nil
HES2510	Investigative Chemistry Prac 1	HES1525 or HES1555
HES2540	Forensic & Analytical Science	HES1525 or HES1555
HES2541	Analytical Chemistry	HES1525 or HES1555
HES2621	Introduction To Biochemistry	HES1525 or HES1510
HES2631	The Microbial World	Nil (however HES1610, HES1616 or equivalent is highly recommended)
HES2700	Food Science	HES1490 or HES1510
HES2710	Public And Environmental Health Law 1	HBSL100
HES2725	Food Safety 1	HBSL100
HES4510	Investigative Chemistry Prac 3	One of HES210, HES2515, HES2541 or HES2526
HES4516	Research Project	Completion of at least 60% of second year
HES4520	Advanced Chemistry 1	One of HES2510, HES2515, HES2520, HES2526, HES2540 or HES2541
HES4621	Advanced Biochemistry	Completion of at least 60% of second year, plus HES2621 or HES2626
HES4641	Practical Biochemistry	Completion of at least 60% of second year, plus HES2621 or HES2626
HES4701	Research Skills	HMS102
HES4710	Environmental Health Services Evaluation	HES1718 or HES1712
HES4720	Environmental Management	Nil
HES4730	Food Safety	HES2700, HES2636 and HES2725
HET102	Introduction To Physiology	Nil
HET219	Neurological Monitoring	HET102
HET227	Neurophysiology	HET133 and either HET148 or HET182
HET240	Cellular Biophysics	HET133 and either HET124 or HET182
HET408	Biomedical Imaging & Emerging Technologies	HMS211 or HMS213
HET422	Biomedical Project	Completion of at least 200 credit points
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

FACULTY OF LIFE AND SOCIAL SCIENCES - 2010 Science Unit of Study Listing

Semester 2

Unit of Study Code	Unit of Study Title	Prerequisites
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	Nil (however HES1510, HES1490 or equivalent is highly recommended)
HES1610	Concepts Of Biology	Nil
HES1616	Concepts Of Biotechnology	Nil (however HES1610 is highly recommended)
HES1712	Introduction To Sustainability	Nil
HES1718	Sustainable Health Policy And Planning (replaces HES1716)	Nil
HES2515	Investigative Chemistry Prac 2	HES1525 or HES1555
HES2520	Chemistry 3	HES1525 or HES1555
HES2526	Organic Chemistry	HES1525 or HES1555
HES2621	Introduction To Biochemistry	HES1525 or HES1510
HES2626	Biochemistry Of Genes & Proteins	HES1525 or HES1510
HES2631	The Microbial World	Nil (however HES6110, HES1616 or equivalent are highly recommended)
HES2636	Microbes In The Environment	Nil (however HES6110, HES1616 or equivalent are highly recommended)
HES2705	Water Science	HES1490 or HES1510
HES2715	Built And Sustainable Communities	Nil
HES2735	Communicable Disease Control	Nil
HES4516	Research Project	Completion of 60% of second year
HES4525	Advanced Chemistry	Either HES2510, HES2515, HES2526, HES2540 or HES2541
HES4626	Biotechnology	Completion of 60% of second year (including HES2621 or HES2626)
HES4628	Environmental Biotechnology	Completion of 60% of second year (including HES2621 or HES2626)
HES4646	Biotechnology Research Project	Completion of 60% of second year (including HES2621 or HES2626)
HES4705	Research Project (for program H069)	HES4701 or HES4700
HES4716	Health And Environmental Law 2	HBSL100 and HES2710
HES4725	Occupational Health And Safety	Nil
HES5065	Process Plant Design	Completion of most first, second and third year units
HET133	Human Physiology	Nil
HET148	Technology & Data Acquisition	Nil
HET226	Sensory Systems	HET102 or HET133
HET230	Cardiovascular Biophysics	HET240
HET231	Perception & Motor Systems	HET102 or HES1610; and either HET148 or HET182
HET235	Biomedical Electronics	HET210 or HET202
HET260	Renal & Respiratory Biophysics	HET133 and either HET124 or HET182
HET419	Physiological Modelling	HET128 or HMS213
HET425	Nucleonics & Spectroscopy	HET182 and HET124
HET426	Instrumentation Project	Recommended completion of Years 1 and 2
HET631	Abnormal Psychophysiology	HET527 or HET528 or HET227 or HET219 or equivalent
HMS102	Introduction To Statistics	Nil