Curriculum Structure (Geoscience Specialisation) by semester:

Year	Course	AU	Course	AU	Course	AU	Course	AU	Course	AU	TOTAL AU
Year 1 Semester 1	ES1001 Natural Hazards, Climate Change, and Society (MC)	3	ES1002 Natural Hazards Laboratory (MC)	1	MH1800 Calculus for the Sciences I (MC)	3	CM1021 Basic Inorganic Chemistry (MC)	4	GER Prescribed Elective (GERPE1)	3	14
Year 1 Semester 2	ES1003 Earth System Science and Global Change (MC)	4	MH1801 Calculus for the Sciences II (MC)	3	CM1041 Basic Physical Chemistry (MC)	4	HW0203 Research Writing in the Physical and Mathematical Sciences (GERC1)	3			14
Special Term	ES1004 Introductory Field Experience (MC)	4									4
Year 2 Semester 1	ES2001 Computational Earth Systems Science (MC)	4	ES2002 Earth Materials (MC)	4	PH1101 Mechanics and Relativity (MC)	4	HW0303 Mastering Communication (GERC2)	3			15
Year 2 Semester 2	ES2003 Fluids of the Earth	4	ES2004 Layers and Landforms (MC)	4	PH1102 Fields and Oscillations (MC)	4	GER Unrestricted Elective (GERUE1)	3			15
Year 3 Semester 1	ES3002 Structural Geology and Tectonics (MC)	4	ES3003 Introduction to Geochemistry	4	GER Prescribed Elective (GERPE2)	3	GER Unrestricted Elective (GERUE2)	3			14
Year 3 Semester 2	ES3004 Introduction to Geophysics	4	Elective 1 (MPE)	4	ES3001 Futures in Earth and Environmental Science (MC)	1	GER Prescribed Elective (GERPE3)	3	GER Unrestricted Elective (GERUE3)	3	15
Special Term	ES3005 Advanced Field Course (MC)	10									10
Year 4 Semester 1	Elective 2 (MPE)	4	ES4001 Interdisciplinary Approaches in Earth System Science	2	GER Unrestricted Elective (GERUE4)	3	GER Unrestricted Elective (GERUE5)	3	GER Prescribed Elective (GERPE4)	3	15
Year 4 Semester 2	Elective 3 (MPE)	4	GER Prescribed Elective (GERPE5)	3	TBD Environmental Sustainibility (GERC4)	3	PS8001 Defense Science (GERC3)	3	GER Unrestricted Elective (GERUE6)	3	16
Total AUs 132											132

Curriculum Structure (Geoscience Specialisation with Final Year Project/Industrial Attachment) by semester:

Year	Course	AU	Course	AU	Course	AU	Course	AU	Course	AU	TOTAL AU
Year 1 Semester 1	ES1001 Natural Hazards, Climate Change, and Society (MC)	3	ES1002 Natural Hazards Laboratory (MC)	1	MH1800 Calculus for the Sciences I (MC)	3	CM1021 Basic Inorganic Chemistry (MC)	4	GER Prescribed Elective (GERPE1)	3	14
Year 1 Semester 2	ES1003 Earth System Science and Global Change (MC)	4	MH1801 Calculus for the Sciences II (MC)	3	CM1041 Basic Physical Chemistry (MC)	4	HW0203 Research Writing in the Physical and Mathematical Sciences (GERC1)	3			14
Special Term	ES1004 Introductory Field Experience (MC)	4									4
Year 2 Semester 1	ES2001 Computational Earth Systems Science (MC)	4	ES2002 Earth Materials (MC)	4	PH1101 Mechanics and Relativity (MC)	4	HW0303 Mastering Communication (GERC2)	3			15
Year 2 Semester 2	ES2003 Fluids of the Earth	4	ES2004 Layers and Landforms (MC)	4	PH1102 Fields and Oscillations (MC)	4	GER Unrestricted Elective (GERUE1)	3			15
Year 3 Semester 1	ES3002 Structural Geology and Tectonics (MC)	4	ES3003 Introduction to Geochemistry	4	GER Prescribed Elective (GERPE2)	3	GER Unrestricted Elective (GERUE2)	3			14
Year 3 Semester 2	ES3004 Introduction to Geophysics	4	Elective 1 (MPE)	2	ES3001 Futures in Earth and Environmental Science (MC)	1	GER Prescribed Elective (GERPE3)	3	GER Unrestricted Elective (GERUE3)	3	13
Special Term	ES3005 Advanced Field Course (MC)	10									10
Year 4 Semester 1	Final Year Project/Industrial Attachment (MPE)		ES4001 Interdisciplinary Approaches in Earth System Science	2	GER Unrestricted Elective (GERUE4)	3	GER Unrestricted Elective (GERUE5)	3	GER Prescribed Elective (GERPE4)	3	11
Year 4 Semester 2	Final Year Project/Industrial Attachment (MPE)	10	GER Prescribed Elective (GERPE5)	3	TBD Environmental Sustainibility (GERC4)	3	PS8001 Defense Science (GERC3)	3	GER Unrestricted Elective (GERUE6)	3	22
Total AUs										AUs	132

Page 23 of 33

Curriculum Structure (Earth System and Society Specialisation) by semester:

Year	Course	ΑU	Course	ΑU	Course	ΑU	Course	ΑU	Course	ΑU	TOTAL AU
Year 1 Semester 1	ES1001 Natural Hazards, Climate Change, and Society (MC)	3	ES1002 Natural Hazards Laboratory (MC)	1	MH1800 Calculus for the Sciences I (MC)	3	CM1021 Basic Inorganic Chemistry (MC)	4	GER Prescribed Elective (GERPE1)	3	14
Year 1 Semester 2	ES1003 Earth System Science and Global Change (MC)	4	MH1801 Calculus for the Sciences II (MC)	3	CM1041 Basic Physical Chemistry (MC)	4	HW0203 Research Writing in the Physical and Mathematical Sciences (GERC1)	3			14
Special Term	ES1004 Introductory Field Experience (MC)	4									4
Year 2 Semester 1	ES2001 Computational Earth Systems Science (MC)	4	ES2002 Earth Materials (MC)	4	PH1101 Mechanics and Relativity (MC)	4	HW0303 Mastering Communication (GERC2)	3			15
Year 2 Semester 2	ES2003 Fluids of the Earth	4	ES2005 Human Impacts on the Earth (MC)	4	HU9001 Introduction to Environment and Urban Studies (MC)	3	PH1102 Fields and Oscillations (MC)	4	GER Unrestricted Elective (GERUE1)	3	18
Year 3 Semester 1	ES3006 Introduction to Environmental Geochemistry (MC)	4	ES3007 The Climate System	4	HE3005 Environmental Economics (MC)	4	GER Prescribed Elective (GERPE2)	3	GER Unrestricted Elective (GERUE2)	3	18
Year 3 Semester 2	HE3010 Energy Economics (MC)	4	Elective 1 (MPE)	4	ES3001 Futures in Earth and Environmental Science (MC)	1	GER Prescribed Elective (GERPE3)	3	GER Unrestricted Elective (GERUE3)	3	15
Year 4 Semester 1	Elective 2 (MPE)	4	ES4001 Interdisciplinary Approaches in Earth System Science	2	GER Unrestricted Elective (GERUE4)	3	GER Unrestricted Elective (GERUE5)	3	GER Prescribed Elective (GERPE4)	3	18
Year 4 Semester 1	Elective 3 (MPE)	3									
Year 4 Semester 2	Elective 3 (MPE)	4	GER Prescribed Elective (GERPE5)	3	TBD Environmental Sustainibility (GERC4)	3	PS8001 Defense Science (GERC3)	3	GER Unrestricted Elective (GERUE6)	3	16

Curriculum Structure (Earth Systems and Society with Final Year Project/Industrial Attachment) by semester:

Semester 1 Hazards, Climate Agreement of Change, and Society (MC) Semester 1 Hazards (Change, and Society (MC) Semester 2 Semester 2 Semester 2 Semester 2 Semester 3 Semester 4 Semester 5 Semester 6 Semester 6 Semester 7 Semester 7 Semester 8 Semester 9 Semester 9 Semester 1 Semester 9 Semester 1 Semester 1 Semester 1 Semester 2 Semester 1 Semester 2 Semester 3 Semester 3 Semester 4 Semester 1 Semester 5 Semester 1 Semester 2 Semester 1 Semester 1 Semester 2 Semester 1 Semester 3 Semester 1 Semester 3 Semester 4 Semester 4 Semester 5 Semester 6 Semester 7 Semester 7 Semester 7 Semester 8 Semester 8 Semester 9 Semester 9 Semester 9 Semester 1 Semester 2 Semester 3 Semester 3 Semester 4 Semester 4 Semester 5 Semester 6 Semester 7 Semester 7 Semester 7 Semester 8 Semester 8 Semester 9 Semester 9 Semester 9 Semester 1 Semester 1 Semester 9 Semester 1 Semester 2 Semester 1 Semester 3 Semester 1 Semester 4 Semester 4 Semester 7 Semester 7 Semester 8 Semester 9 S	Year	Course	ΑU	Course	ΑU	Course	AU	Course	AU	Course	ΑU	TOTAL AU
Semester 2 Semester 2 Semester 2 Semester 2 Semester 3 Semester 4 Semester 4 Semester 4 Semester 1 Semester 5 Semester 6 Semester 6 Semester 7 Semester 7 Semester 7 Semester 7 Semester 1 Semester 7 Semester 1 Semester 8 Semester 1 Semester 2 Semester 2 Semester 3 Semester 4 Semester 4 Semester 5 Semester 6 Semester 7 Semester 7 Semester 7 Semester 7 Semester 8 Semester 9 Sem		Hazards, Climate Change, and	3	Hazards	1	for the Sciences I	3	Inorganic	4	Elective	3	14
Introductory Field Experience (MC) 4 ES2001 Earth Materials (MC) 4 ES2001 Earth Materials (MC) 4 ES2001 Earth Materials (MC) 4 ES2002 Earth Materials (MC) 4 ES2002 Earth Materials (MC) 4 ES2003 Fluids of the Earth 4 ES2005 Fluman Impacts on the Earth (MC) 5 ES3006 Introduction to Environmental Geochemistry (MC) 4 ES3007 The Climate System 4 ES3005 Fluman Impacts on the Earth (MC) 5 ES3007 The Climate System 4 ES3005 Fluman Impacts on the Earth (MC) 5 ES3007 The Climate System 4 ES3005 Fluman Impacts on the Earth (MC) 6 ES3007 The Climate System 6 ES3007 Fluman Impacts on the Earth (MC) 6 ES3007 The Climate System 6 ES3007 The Climate System 6 ES3007 Fluman Impacts on the Earth (MC) 6 ES3007 The Climate System 6 ES3007 The Climate System 6 ES3007 Fluman Impacts on the Earth (MC) 6 ES2007		System Science and Global	4	for the Sciences	3	Physical	4	Research Writing in the Physical and Mathematical Sciences	3			14
Year 2 Semester 1 Earth Systems Science (MC) 4 ES2002 Earth Materials (MC) 4 Mechanics and Relativity (MC) 4 Mechanics		Introductory Field	4									4
Year 2 Semester 2 ES2003 Fluids of the Earth 4 ES2005 Human Impacts on the Earth (MC) 4 ES3006 Introduction to Environment and Geochemistry (MC) 4 ES3007 The Climate System 5 Emester 1 Elective 1 (MPE) 5 Es3006 Introduction to Environmental Geochemistry (MC) 6 ES3007 The Climate System 7 Elective 1 (MPE) 7 Es3006 Introduction to Environmental Geochemistry (MC) 7 Es3007 The Climate System 8 Elective 1 (MPE) 7 Elective 1 (MPE) 8 Es3001 Futures in Earth and Environmental Science (MC) 7 Es3001 Futures in Earth and Environmental Science (MC) 8 Es3001 Futures (GER Prescribed Elective (GERPE2) 8 Es3001 Futures in Earth and Environmental Science (MC) 8 Es3001 Futures (GER Prescribed Elective (GERPE3) 8 Es4001 Interdisciplinary Approaches in Earth System Science 9 Es4001 Interdisciplinary Approaches in Earth System Science 9 Es4001 Interdisciplinary Approaches in Earth System Science 9 Es4001 Elective (GERUE3) 9 Es4001 Elective (GERUE5) 9 Es4001 Defense Science 9 Es4001 Defense Science 9 Es4001 Elective Science 9 Elective Scien	1	Computational Earth Systems	4		4	Mechanics and	4	Mastering Communication	3			15
Year 3 Semester 1 Introduction to Environmental Geochemistry (MC) 4 ES3007 The Climate System 4 ES3007 The Climate System 4 ES3007 The Climate System 5 Environmental Economics (MC) 4 Elective (GERPE2) 5 Elective (GERUE2) 6 Elective (GERUE2) 6 Elective (GERUE2) 7 Elective (GERUE3) 7 Elective (GERUE4) 7 Elective (GERUE3) 7 Elective (GERUE3	1		4	Impacts on the	4	Introduction to Environment and Urban Studies	3	and Oscillations	4	Elective	3	18
Year 3 Semester 2 HE3010 Energy Economics (MC) 4 Elective 1 (MPE) 4 Elective 2 (GER Unrestricted Elective (GERUE3) 5 ER Prescribed Elective (GERUE3) 6 ER Unrestricted Elective (GERUE5) 7 Elective 3 (GER Unrestricted Elective (GERUE5) 8 Elective 3 (GER Unrestricted Elective (GERUE5) 8 Elective 3 (GER Unrestricted Elective (GERUE5) 8 Elective 3 (GER Unrestricted Elective Science Scienc		Introduction to Environmental Geochemistry	4		4	Environmental	4	Elective	3	Elective	3	18
Year 4 Semester 1 Final Year Project/Industrial Attachment (MPE)		37	4	Elective 1 (MPE)	4	in Earth and Environmental	1	Elective	3	Elective	3	15
Semester 1 (MPE) 1 Final Year Year 4 Project/Industrial Flective 3 TBD Environmental Sustainibility 3 Science 3 GER Unrestricted Elective 3 22		Project/Industrial Attachment		Interdisciplinary Approaches in Earth System	2	Elective	3	Elective	3	Elective	3	12
Year 4 Project/Industrial 10 GER Prescribed Elective 3 Environmental Superior 2 Attachment 10 Superior 3 Super			1									
(MPE) (GERPE5) (GERC4) (GERC3) (GERUE6)		Project/Industrial Attachment	10		3	Environmental Sustainibility	3		3		3	22

Page 25 of 33