Recommended Modules for Incoming Exchange Students at BSc and MSc Biology and Biomedicine, UZH

Fall semester

	Monday	Tuesday	Wednesday	Thursday	Friday
08-09 h	BIO111 / BIO228	BIO390 / PHY118 / INI415	BIO111	BME236 / INI401	BIO132
09-10 h					
10-11 h	BIO336 / BIO343	BIO235 / UWW153			
11-12 h					
12-13 h					AST201
13-14 h	UWW101 / AST201	BIO134 (or Thursday)			BIO111 Pract
14-15 h					
15-16 h	PHY118			UWW152	
16-17 h					
17-18 h				INI410	

	Monday	Tuesday	Wednesday	Thursday	Friday
08-09 h	BIO344 / BIO615	BIO241 / BIO371 / BIO386			
09-10 h					
10-11 h	BIO257 / BIO331 / BME324	BIO241 /BIO416			
11-12 h					
12-13 h					
13-14 h	BME317 / BME322				
14-15 h					
15-16 h	BIO297 / BIO332				
16-17 h					
17-18 h					

Number	ECTS Credits	Title	Language
Recommended:			
BIO 111	*5*	*Molekulare und klassische Genetik*	*partly E, exam E, exam in january*
BIO 132	*3*	*Mikrobiologie, Immunologie, Virologie*	*partly E, exam E, exam in january*
BIO 134	5	Programming in Biology	E, exam in january
BIO 228	2	Evolutionary Medicine	E
BIO 235	2	Plants and People: Domestication of Crops	E
BIO 336	2	From DNA to Diversity: evolution of multicellular organi	E
BIO 390	3	Introduction to Bioinformatics	E
BIO 343	3	Structural Plasticity and Repair of the Nervous System	E, exam in january
BME 236	3	Biomedicine I	E, exam in january
PHY 118	5	Physics for Natural Sciences I	E, exam in january
INI 401	6	Introduction to Neuoinformatics	E
INI 410	3	Consciousness: from philosophy to neurons	E
INI 415	6	Systems Neuroscience	E
AST 201	5	Introduction to Astrobiology	E
UWW 101	3	The Science behind Biodiversity	E
UWW 152	2	Ecohealth	E
UWW 153	3	Global Environmental History	E
Alternatives (very advanced):			
BIO 207	2	Evolutionary Developmental Biology of Primates	E
BIO 241	3	Gene Regulation	E
BIO 243	2	Beyond the Central Dogma: epigenetics etc.	E
BIO 257	2	DNA Metabolism and Cancer	E
BIO 297	3	Social Behaviour of Bacteria	E
BIO 331	2	Frontiers in Animal Behaviour	E
BIO 332	2	Cell Cycle and Cell Proliferation	E
BIO 344	3	Development of the Nervous System	E, exam in january
BIO 371	2	Ecological Genetics	E
BIO 386	2	Sociobiology of Communication I	E
BIO 416	2	Microscopy	E
BIO 437	2	Human Adaptation	E
BIO 615	2	Virology	E
BME 317	2	Metabolism and Nutrition	E
BME 322	2	Molecular and Cellular Neurobiology	E
BME 324	2	Human Toxicology	E

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Speing semester

	Monday	Tuesday	Wednesday	Thursday	Friday
08-09 h	BIO354	PHY118		BIO123 / BIO125	BIO143
09-10 h			BIO141		
10-11 h	BIO216 / BIO219	STA120 / BIO148 / AST248		UWW183	BIO141
11-12 h					
12-13 h		STA120			AST202
13-14 h	BIO144		BIO141,143 practicals	BIO144 exercises	BIO144 exercises
14-15 h					
15-16 h	PHY118 / BME246	AST202		AST248	
16-17 h					
17-18 h					

	Monday	Tuesday	Wednesday	Thursday	Friday
08-09 h	BME320 / BME335	BIO342			
09-10 h					
10-11 h	BIO312 / BIO346 / BIO347	BIO212 /BCH252			
11-12 h					
12-13 h					
13-14 h	BIO364 / BME318	ESC403	ESC401	ESC403	ESC401
14-15 h					
15-16 h	14-16:BIO388 / BIO398 / BIO433 // 15-18: BIO389				
16-17 h					
17-18 h				INI402	

Number	ECTS Credits	Title	Language
Recommended:			
BIO 123	3	Quantitative and Molecular Systems Biology	E, exam in june
BIO 125	3	Development of Multicellular Systems	E, exam in june
BIO 141	*4*	*Ökologie und Biodiversität*	*D, exam in june*
BIO 143	*3*	*Neurobiologie*	*D, slides in E, exam in june*
BIO 144	5	Data Analysis in Biology	E, exam in june
BIO 148	3	Paleontology	E
BIO 216	2	Primate Cognitive Evolution	E
BIO 219	2	Biomedical Imaging	E
BIO 354	2	Zoo Biology	E
BME 246	3	Biomedicine II	E, exam in june
PHY 128	5	Physics for Natural Sciences II	E, exam in june
STA 120	5	Introduction to Statistics	E, exam in june
AST 202	5	The Universe: Contents, Origin, Evolution and Future	E
AST 248	5	The Sun and Planets	E
UWW 183	2	Conservation Ecology	E
Alternatives (very advanced):			
BIO 212	2	Human Evolutionary Genetics	E
BIO 312	2	Integrated Species Conservation and Management	E
BIO 342	3	Comparative Behavioural Neuroscience	E
BIO 346	2	Genetics and the Evolution of Sex Determination	E
BIO 347	3	Developmental Cell Biology	E
BIO 364	3	The Physics of Life	E
BIO 388	2	Human Genetics	E
BIO 389	3	Clinical Neuroscience	E
BIO 398	2	Research Ethics for Life Sciences	E
BIO 433	2	Biology of Cancer Treatment	E
BME 318	2	Clinical Epidemiology	E
BME 320	1	Forensic Genetics	E
BME 335	2	Regenerative Medicine and Tissue Engineering	E
BCH 252	3	RNA and Proteins	E
INI 402	6	Computational Vision	E
ESC 401	6	High Performance Computing	E, requires Prgramming basics
ESC 403	6	Introduction to Data Science	E, requires Python basics

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