



OKANAGAN

ok.ubc.ca

Biology Articulation Committee Meeting, May 9th and 10th, 2023

Host Institution: UBC Okanagan

Report from UBC Okanagan

Articulation Rep: Matt Nelson

Phone: 250-807-9683 Email: matthew.nelson@ubc.ca

Course (credits)	Name	Text	Projected Enrollment	Hours (/week)	Prerequisites	Notes	Course Instructor
<i>University-Level Courses</i>							
BIOL 116	Biology for Science Majors I	<i>Freeman et al. Custom Biological Science</i>	500	3 lec 3 lab	BIOL 11 + CHEM 11	All Biology Majors	Robin Young
BIOL 117	Evolution and Ecology	Campbell; Concepts & Connections custom.	140	3 lec	None	Non-majors	Matt Nelson
BIOL 122	Physiology of Multicellular Organisms	Campbell; Concepts & Connections custom.	51	3 lec	No Prereq. (Biol 117 recomb.)	Non-majors	Matt Nelson
BIOL 125	Biology for Science Majors II	Freeman et al. Custom Biological Science	500	3 lec 3 lab	BIOL 116	All Biology Majors	Matt Nelson
BIOL 131	Human Anatomy and Physiology I	Marieb 9th ed	240	3 lec 3 lab	Biol 11 + Chem 11 + 1 Gr 12 Sci or Biol 122	Nursing (others if room)	Zoe Soon
BIOL 133	Human Anatomy and Physiology II	Marieb 9th ed	180	3 lec 3 lab	BIOL 131	Nursing (others if room)	Zoe Soon

BIOL 200	Cell Biology	Essential Cell Biology	260	3 lec	Biol 125 + Chem (113 or 123)	Core Biology	Robin Young, Matt Nelson
BIOL 201	Introduction to Evolution and Ecology	TBA	300	3 lec	Biol 125 + Chem 113 or 123	Core Biology	Ken Savage
BIOL 202	Introduction to Biostatistics	Analysis of Biological Data; Whitlock	200	3 lec 2 lab	Math 100 + 2nd year standing	Core Biology	Jason Pither
BIOL 204	Vertebrate Structure and Function	Vertebrates: Comparative Anatomy, Function, Evolution	180	3 lec 3 lab	Biol 125 or Biol 117/122		Ken savage
BIOL 205	Comparative Invertebrate Zoology	Biology of the Invertebrates: Pechenik	100	3 lec 3 lab	Biol 125 or Biol 117/122		Matt Nelson
BIOL 209	Fungi	TBA	80	3 lec 3 lab	Biol 125 or Biol 117/122		NOT OFFERED
BIOL210	Land Plants	TBA	60	3 lec 3 lab	Biol 125 or Biol 117/122		NOT OFFERED
BIOL 228	Introductory Microbiology	Prescott's Microbiology	220	3 lec 3 lab	Biol 125, Co-req Chem 203	Biology Majors	Richard Plunkett
BIOL 231	Health Sciences I (Human Pathophysiology)	An Introduction to Human Disease: Crowley.	120	3 lec	BIOL 131 and 133	Nursing Others if room	NOT OFFERED
BIOL 232	Human Infectious Disease	TBA		3 lec	BIOL 235 or HINT 231	Nursing Others if room	Zoe Soon
BIOL 235	Health Sciences II (Human Pathophysiology)	Essentials of Human Disease: Crowley.	160	3 lec	BIOL 231	Nursing Others if room	NOT OFFERED
BIOL 265	Principles of Genetics	Intro to Genetic Analysis; Griffiths	180		BIOL 125		B. D'Souza
BIOL 300	Advanced Cell Biology			3 lec	BIOL 200		Emmanuel Osei

BIOL 301	Evolutionary Principles and Methods	Evolution; Futuyma		3 lec	BIOL 201 or 203		Mike Russello
BIOL 306	Field Ecology of Animals		40	3 lec	BIOL 202 and BIOL 201 or 203		Bob Lalonde
BIOL 307	Limnology		30	3 lec			NOT OFFERED
BIOL 308	Population Biology	Intro to Population Ecology; Rockwood	75	3 lec	Math 101 and BIOL 201 or GEOG 207		Bob Lalonde
BIOL 309	Field Ecology of Plants and Soils		20		BIOL 201 or 203 and BIOL 202 or STAT 230		NOT OFFERED
BIOL 311	Biochemistry I	Principles of Biochemistry; Lehninger	120	3 lec	BIOL 200 and CHEM 204 or 214		Richard Plunkett
BIOL 312	Virology		120	3 lec	BIOL 228		Team taught
BIOL 313	Science Writing		20	3 lec			Karen Hodges
BIOL 314	Medical Microbiology			3 lec	BIOL 228		Kirk Bergstrom
BIOL 318	Immunology		120	3 lec	BIOL 228		Deanna Gibson
BIOL 319	Biochemistry II		120				Richard Plunkett
BIOL 341	Neurobiology			3 lec	BIO 200		Julien Gibon
BIOL 350	Clinical Neuroscience	Biological Psychology; Breedlove and Watson	80	3 lec	BIO 200 or 235 or 341 or PSY 230 or 331		Julien Gibon
BIOL 354	Cell Physiology		120	3 lec	BIO 202 and 202 or STAT 230 and Phys 101 or 122		Mark Rheault

BIOL 356	Comparative Vert. Phys.		40	3 lec			Bob Lalonde
BIOL 357	Intro to Entomology			3 lec	BIO 201 or 203 or 205 and BIO 202		Bob Lalonde
BIOL 358	Plant Ecophysiology		15	3 lec	BIO 201, and BIO 202 or STAT 230		Melanie Jones
BIOL 359	Physiology Laboratory		15	3 lec	BIO 354 (co: BIOL 356)		
BIOL 363	Developmental Biology	Gilbert 11th ed	80	3 lec			Emmanuel Osei
BIOL 364	Evolutionary Development		50				NOT OFFERED
BIOL 366	Molecular Genetics		130	3 lec			B. D'Souza
BIOL 370	African Savannah Biology		40				Adam Ford
BIOL 371	Flora of British Columbia						Terry McIntosh
BIOL 372	Field Ornithology						Robert Hay
BIOL 375	Flora and Fauna of Inland Waters		20	3 lec	BIO 228, organic chemistry		Logan Volkmann
BIOL 380	Food and Industrial Micro.		60	3 lec			Mitrasadat Tabatabaee
BIOL 381	Environmental Micro.		60	3 lec			Mitrasadat Tabatabaee
BIOL 382	Prokaryotic Physiology			3 lec			Richard Plunkett
BIOL 393	Biochemistry Laboratory		80	3 lec			Richard Plunkett

BIOL 401	Spatial Ecology		20	3 lec			Karen Hodges
BIOL 406	Functional Glycoscience			3 lec	BIOL 200, BIOL 319		Kirk Bergstrom
BIOL 410	Plant-Microbe Interactions		20	3 lec			NOT OFFERED
BIOL 414	Advanced Field Ecology			3 lec			NOT OFFERED
BIOL 417	Evolutionary Ecology		20	3 lec			Mike Noonan
BIOL 420 Spec.Topics	Various		20 each section				Various
BIOL 422	Conservation Biology		30	3 lec			Karen Hodges
BIOL 423	Endocrinology		60-80	3 lec.			Sarah Purcell
BIOL 424	Global Food Systems			3 lec.			Nathan Pelletier
BIOL 426	Cancer Biology			3 lec.			Christina Haston
BIOL 444	Dynamic Modeling of Human-Environment Systems			3 lec			NOT OFFERED
BIOL 452	Directed Studies						
BIOL 459	Behavioural Ecology			3 lec.			Matt Nelson
BIOL 460	Population Genetics		20				NOT OFFERED

BIOL 461	Cell Signaling		20	3 lec			Brendan D'Souza
BIOL 468	Molecular Approaches in Ecology and Evolution		20	3 lec			Mike Russello
BIOL 477	Bioinformatics		20	3 lec			Mike Deyholos
BIOL 480	Mycology		20				Dan Durall

PROGRAM CHANGES (or other Notes)

We are currently searching for a new department head. Our previous search ended with a candidate who was unable to take the position for personal reasons. This job will be posted again soon. We will also be advertising an assistant professor position.

Retirements: Melanie Jones

FACULTY and STAFF

Name		Role/courses instructed	Phone	email
Barker	Philip		250.807.9582	philip.barker@ubc.ca
Bergstrom	Kirk	Food and Industrial Microbiology	250.807.9582	kirk.bergstrom@ubc.ca
D'Souza	Brendan	Biology for science majors, genetics, cell signaling, molecular biology.	250.807.9628	brendan.dsouza@ubc.ca
Deyholos	Michael	Biochemistry, bioinformatic.	250.807.8541	michael.deyholos@ubc.ca
Durall	Dan	Microbiology, mycology, botany, ecology.	250.807.8759	daniel.durall@ubc.ca

Ford	Adam	Animal ecology.	250.807.9773	adam.ford@ubc.ca
Ghosh	Sanjoy	Biochemical basis of nutrition.	250.807.8162	sanjoy.ghosh@ubc.ca
Gibon	Julien	Neurobiology, Clinical Neurosciences	250.807.8647	julien.gibon@ubc.ca
Gibson	Deanna	Medical microbiology, virology and immunology.	250.807.8790	deanna.gibson@ubc.ca
Grieneisen	Laura	Environmental Microbiology	250.807.8760	laura.grieneisen@ubc.ca
Hart	Miranda	Botany, ecology, microbial ecology, microbiology.	250.807.9398	miranda.hart@ubc.ca
Hodges	Karen	Conservation biology, science writing, culture of science	250.807.8763	karen.hodges@ubc.ca
Jones	Melanie	Soil ecology, plant physiology, general biology.	250.807.9553	melanie.jones@ubc.ca
Klegeris	Andis	Pharmacology, neuroimmunology, inflammation and neurodegenerative diseases.	250.807.9557	andis.klegeris@ubc.ca
Lalonde	Bob	Animal and insect ecology, evolutionary and population ecology.	250.807.8764	robert.lalonde@ubc.ca
Mahmoud	Soheil	Plant molecular biology and biochemistry, metabolism of natural products, plant biotechnology.	250.807.8752	soheil.mahmoud@ubc.ca
Nelson	Matt	Invertebrate zoology, sustainability, biology II for science majors, cell biology, evolution.	250.807.9569	matthew.nelson@ubc.ca
Noonan	Michael	Evolutionary ecology, statistical modelling	250.807.8667	michael.noonan@ubc.ca
Osei	Emmanuel	Developmental Biology, Cell Biology, Pathology		emmanuel.osei@ubc.ca
Parrot	Lael	Dynamic modelling of coupled human-environment systems.	250.807.8122	lael.parrott@ubc.ca
Pelletier	Nathan	Sustainable food systems, sustainability measurement and management, ecological economics.	250.807.8245	nathan.pelletier@ubc.ca
Pither	Jason	Geographic information systems, data management and analysis, ecology.	250.807.9629	jason.pither@ubc.ca

Plunkett	Richard	Microbiology & immunology, biochemistry, genetics.	250.807.9650	richard.plunkett@ubc.ca
Purcell	Sarah	Disease prevention and management		sarah.purcell@ubc.ca
Reid	Scott	Comparative animal physiology, membrane biophysics, general biology.	250.807.8761	scott.reid@ubc.ca
Rheault	Mark	Cellular physiology, vertebrate zoology, invertebrate zoology, insect physiology and biochemistry.	250.807.9630	mark.rheault@ubc.ca
Russello	Mike	Evolution, population genetics, ecology, conservation biology.	250.807.8762	michael.russello@ubc.ca
Soon	Zoe	Anatomy and Physiology, Lifespan Motor Growth and Development; Pathophysiology	250.807.9400	zoeanne.soon@ubc.ca
Young	Robin	Introductory biology, Cell biology, Developmental Biology, Biochemistry	250.807.8693	robin.young@ubc.ca

Biology Department Head: Dr. Mike Deyholos (outgoing)