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

University of British Columbia Okanagan Campus, Kelowna B.C.

Report from (**University of British Columbia**)

Articulation Rep: Brett Couch and Gigi Lau (for Sunita G. Chowrira in May 2023)

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Course (credits)	Name	Text	Projecte d Enrolme nt	Hours (/week)	Prerequisi tes	Notes	Course Instructor
<i>College Prep (if applicable)</i>							
<i>University-Level Courses</i>							
BIOL 111 (3)	Introduction to Modern Biology.	Cavallo-Medved et al., Life Matters: Connecting Biology to Your World	500	3	none		Shona Ellis shona@mail.ubc.ca someone new in 2023W TBD

BIOL 112 (3)	Biology of the Cell	Morris et al., Biology: How Life Works (custom)+Launch pad	2000	3	One of Bio 11, Bio 12, or BIOL 111 & and one of Chem 12 or CHEM 100, 110, or 111		Karen Smith karen.smith@ubc.ca
BIOL 121 (3)	Genetics, Evolution and Ecology	Freeman et al., Biological Science Can. ed. (custom)	2000	3	One of Bio 12, BIOL 111 or BIOL 112		Brett Couch brett.couch@botany.ubc.ca
BIOL 180 (2)	Thinking like a Life Scientist	Primary Literature picked by Instructors teaching	1500	1.5h Researcher-specific + 1.5h common to all in the course	None	Redesigned BIOL 140 to focus on cutting-edge research by UBC researchers, using an evidence-based approach to teaching scientific thinking called C.R.E.A.T.E. (C onsider, R ead, E lucidate hypotheses, A nalyze and interpret data, and T hink of the next E xperiment).	Blaire Steinwand blaire.steinwand@ubc.ca Chin Sun chin.sun@ubc.ca

BIOL 155 (6)	Human Biology without the lab	Martini, Ober, Nath, Bartholomew, Petti, Visual Anatomy & Physiology, 3 rd ed.	480	3 lect 1 tut	none	155 has expanded tutorial content to ensure teaching of anatomy for programs that formerly required 153	Irene Ballagh iballagh@zoology.ubc.ca
BIOL 200 (3)	Fundamentals Of Cell Biology	Alberts et al., Essential Cell Biology (recommended)	1200	3 lect 1 tut	Either a) BIOL 112 & one of CHEM 123, CHEM 113 or b) SCIE 001 or c) 8 cr FY BIOL & 6 cr FY CHEM or d) BIOL 112 or BIOL 121 & CHEM 203 (as co- req)		Vivienne Lam vivienne.lam@botany.ubc.ca
BIOL 201 (3)	Fundamentals of Biochemistry	Nelson and Cox, Lehninger Principles of Biochemistry, 8th ed.	500	3 lect 1 tut	BIOL200 + CHEM 233 (or CHEM 203)		Sunita Chowrira chowrira@mail.ubc.ca

BIOL 203 (4)	Eukaryotic Microbiology		50	3 lect 3 labs	BIOL 140 & one of BIOL 121 or SCIE 001, BIOL 200 recommended	Patrick Keeling pkeeling@mail.ubc.ca Brett Couch (Labs) brett.couch@botany.ubc.ca
BIOL 204 (4)	Vertebrate Structure and Function	Kardong, Vertebrates, 8 th ed.	390	3 lect 3 labs	Either a) BIOL 121 & 140 or b) SCIE 001 & BIOL 140 or c) 8 cr FY BIOL	Angie O'Neill oneill@zoology.ubc.ca Charissa Fung (Labs) charissa.fung@ubc.ca
BIOL 205 (4)	Comparative Invertebrate Zoology	Brusca and Brusca, Invertebrates, 3 rd ed.	250	3 lect 3 labs	Either a) BIOL 121 & 140 or b) SCIE 001 & BIOL 140 or c) 8 cr FY BIOL	Brian Leander bleander@mail.ubc.ca Charissa Fung (Labs) charissa.fung@ubc.ca
BIOL 209 (4)	Non-Vascular Plants	Recommended only - Raven et al., Biology of Plants -e-book 6 months rental also an option.	60	3 lect 3 labs	Either a) BIOL 121 or b) SCIE 001 or c) 8 cr FY BIOL	Jaclyn Dee deej@mail.ubc.ca Bridgette Clarkston bridgette.clarkston@botany.ubc.ca

BIOL 210 (4)	Vascular Plants	Raven et al., Biology of Plants	100	3 lect 3 labs	Either a) BIOL 121 or b) SCIE 001 or c) 8 cr FY BIOL		Shona Ellis (Lect) shona@mail.ubc.ca
BIOL 230 (3)	Fundamentals Of Ecology	Cain, Bowman, Hacker, Ecology, 4/e	670	3 lect 9 hours labs per term	BIOL 121 or SCIE 001		Rachel Wilson rnwils22@mail.ubc.ca Michelle Tseng mtseng@zoology.ubc.ca Rachel Germain rgermain@zoology.ubc.ca
BIOL 234 (3)	Fundamentals Of Genetics	Griffiths, et al., Introduction to Genetic Analysis 12th edition	~1000	3 lect 2 tut	Either a) BIOL 112 & 121 or b) SCIE 001 or c) co-req CHEM 203 & BIOL 112 or 121		Craig Berezowsky craigber@mail.ubc.ca
BIOL 260 (3)	Fundamentals Of Physiology	Freeman et al., Biological Science Can. ed. (custom)	500- 600	3	Either a) BIOL 112 & 121 or b) SCIE 001 or c) 8 cr FY BIOL & 6 cr FY CHEM.		Trish Schulte pschulte@zoology.ubc.ca Abel Rosado (sabbatical in 2022W) abel.rosado@botany.ubc.ca

MICB 211 (3) NEW	(Foundations of Microbiology)	Custom notes package (posted online)	550 - 650	3	One of: BIOL 112, BIOL 200, SCIE 1, BMEG 245.	MICB 211 replaces MICB 201 effective 2022W.	Tracy Kion tracy.kion@ubc.ca
MICB 212 (3) NEW	Immunology and Virology	Custom notes package (posted online)	800	3	One of: BIOL 112, BIOL 200, SCIE 1, BMEG 245.	MICB 212 replaces MICB 202 effective 2022W.	Tracy Kion tracy.kion@ubc.ca
MICB 203 (3)	Basic Microbiology Laboratory	Lammert, Techniques for Microbiology, Alexander Microbiology: A Photo-graphic atlas for the lab.	28	1 lect 2 labs	One of: BIOL 112, SCIE 001		Karen Smith karen.smith@ubc.ca
BIOL 336	Fundamentals of Evolutionary Biology	Zimmer and Emlen, Evolution 2 nd Ed	540	3 lect 1 tut	One of BIOL 233 or 234		Jeannette Whitton jeannette.whitton@botany.ubc.ca One Retirement. Lecturer being hired for course coordination and teaching.

PROGRAM CHANGES (or other Notes)

Changes related to biology programming.

- No programming changes to report.
- Dr. Gigi Lau hired as the Biology Program Manager, and will participate in the Annual Articulation meeting with the Biology Associate Head in future.

Other changes... faculty changes, lab changes, prerequisite changes etc.

UBC's big change is that Workday Student is going to go live.

FACULTY and STAFF

Name and credentials	Role/courses instructed	Phone	email

Biology Program Associate Head – Sunita G. Chowrira