

Biology Articulation Committee Meeting, May 9-10, 2023

UBCO in Kelowna

Articulation Rep: Mitra Panahi

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Course (credits)	Course Name	Text	Projected Enrolment	Hours/week lec-lab-tut	Pre-requisites	Notes	Course Instructors
BIOL 100 (4)	Biology I	Fowler <i>et al.</i> , Concepts of biology	557	3-3-0	ENGL 099	Non-majors	Dr. Michael Chua Ms. Gracie Li Dr. Jasmine Hue Dr. Sandra Pena-Diaz Dr. Abigail Feresten
BIOL 101 (4)	Intro. Biology I	Freeman <i>et al.</i> , Biological: Sciences, Biology 2e: OpenStax	105	3-3-0	ENGL 099 or equivalent, BIOL 11/12 & CHEM 11/12 Or BIOL 100 (B or better)	Majors	Dr. Mitra Panahi
BIOL 102 (4)	Intro. Biology II	Freeman <i>et al.</i> , Biological: Sciences, Biology 2e: OpenStax	85	3-3-0	ENGL 099 or equivalent, BIOL 11/12 & CHEM 11/12 Or BIOL 100 (B or better)	Majors	Dr. Michael Chua Dr. Sandra Pena-Diaz
BIOL 110 (4)	A & P I	Elaine Marieb and Lori Smith, Anatomy and Physiology	35	3-3-0	ENGL 098 or equivalent	Non-majors	Ms. Gracie Li

BIOL 120 (4)	A & P II	Elaine Marieb and Lori Smith, Anatomy and Physiology	35	3-3-0	ENGL 098 or equivalent	Non-majors	Dr. Jasmine Hue
BIOL 105 (4)	Biological concepts in Sustainability	Environmental Science: a Canadian perspective, Bill Freedman	314	3-3-0	ENGL 098 or equivalent	Non-majors	Dr. Mitra Panahi Dr. Michael Chua Dr. Sandra Pena-Diaz
BIOL 106 (4)	Intro to Environmental Science	Environment: The Science behind the stories (Canadian Edition), Third Edition, Authors: Jay H. Withgott; Matthew Laposata; Barbara Murck	70	3-3-0	ENGL 099 or equivalent	Non-majors	Dr. Mitra Panahi, Dr. Jasmine Hue
BIOL 201 (4)	Cellular Biology	Alberts et al., Essential Cell Biology	6	3-3-0	BIOL 101, BIOL 102, Chem 102	Majors	Dr. Mitra Panahi
BIOL 203 (3)	Genetics	Griffiths et al., Intro to Genetic analysis	20	3-0-1	ENGL 098, BIO 102	Majors	Dr. Jasmine Hue
BIOL 204 (4)	Ecology	Ecology, 5th Edition, William D. Bowman; Sally D. Hacker, Oxford University Press	8	3-3-0	ENGL 099, BIOL 102	Majors	Dr. Mitra Panahi

NOTES

1. Biology 100, biology 105, and biology 106 run every term with good enrollment.
2. Dr. Jasmine Hue, Ms. Gracie Li, Dr. Abigail Feresten, and Dr. Sandra Pena-Diaz are new instructors.

INSTITUTIONAL DEVELOPMENTS

Admissions

1. We are continuing to work on our diversification strategy, with the goal to increase recruitment efforts in many regions, notably Africa, Latin America, and Southeast Asia. Currently, the large majority of new applications are from India.
2. Total number of new applications is up significantly over the previous year.

Course Registration and Offerings

1. For Spring and Summer Intensive 2022 term, we offered approximately 50% virtually, and 50% on-campus. For Fall 2022 and Winter 2023, we offered approximately 80% on-campus and 20% virtually.

Spring 2022 (Apr-Jul)	Summer Intensive 2022 (Jul-Aug)	Fall 2022 (Sep-Dec)	Winter 2023 (Jan-Apr)
255 unique course sections offered <input type="checkbox"/> 248 for-credit/university-level <input type="checkbox"/> 5 ESL/EAP level <input type="checkbox"/> 3 preparatory level	54 unique course sections offered <input type="checkbox"/> 54 for-credit/university-level <input type="checkbox"/> 0 ESL/EAP level <input type="checkbox"/> 0 preparatory level	307 unique course sections offered <input type="checkbox"/> 300 for-credit/university-level <input type="checkbox"/> 4 ESL/EAP level <input type="checkbox"/> 3 preparatory level	371 unique course sections offered <input type="checkbox"/> 365 for-credit/university-level <input type="checkbox"/> 3 ESL/EAP level <input type="checkbox"/> 3 preparatory level
Total headcount: 2714	Total headcount: 826	Total headcount: 3224	Total headcount: 4023

2. Most subject area disciplines increased the number of course offerings over the past year, with a few exceptions. Enrolment in Economics (ECON), English for Academic Purposes (EAP), and Mathematics (MATH) has been steadily declining due to changing enrolment demographics over the past 5 years.

Articulation

1. A number of courses are due for 5-year review this year (2023).
2. A number of new courses have been developed and articulated in the past year, including:

Department	Course Code	Proposed Course Title	Curriculum Designer
Biology (BIOL)	BIOL 222	Introduction to Biochemistry	Mitra Panahi
Health Sciences (HSCI)	HSCI 130	Introduction to Health Science	Michael Chua
	HSCI 214	Perspective of Mental Health and Illness	Mitra Panahi
	HSCI 216	Ecological determinants of Human Growth, Development, and Health	Michael Chua
	HSCI 230	Evaluating of Epidemiological Research	Michael Chua

Student Grades/Performance

1. The academic readiness of our international students is a continued concern both at AC and peer institutions. Multiple research and data analysis projects are underway to determine how we can mitigate this complex issue, and some initiatives have already been implemented (e.g., revisions to AC 101 and New Student Orientation). Discussion of further initiatives such as pre-department training.
2. Student performance averages are on par with previous years.

Graduation

1. We are seeing some decrease in the number of degrees graduates this year, an expected outcome of a dip in new student enrolment rates at the start of the covid-19 pandemic in 2020.
416 Associate of Arts degrees were conferred during the 2022 year, a decrease of approximately 35% over the previous year.
23 Associate of Science degrees were conferred during the 2022 year, a decrease of approximately 50% over the previous year.
2. Associate of Arts (General) is by far the most popular program, followed by Associate of Arts (Psychology) and Associate of Arts (Business) concentrations.

Institutional Developments

1. Three new Associate Degree concentrations were established in 2022/23:
 - a. Associate of Arts (Business and Psychology) degree
 - b. Associate of Arts (International Business) degree
 - c. Associate of Arts (International Relations) degree
2. Some new academic leadership in 2022/23:
Barbara Moon, Ph.D. (formerly AC's long-standing Dean of Arts and Sciences, then Provost) became Acting President in 2023.