ORIGINAL COURSE IMPLEMENTATION DATE: September 2016
REVISED COURSE IMPLEMENTATION DATE: September 2022
COURSE TO BE REVIEWED (six years after UEC approval)**:** January 2028
Course outline form version: 10/27/2017

OFFICIAL UNDERGRADUATE CROSS-LISTED OUTLINE FORM

Note: The University reserves the right to amend course outlines as needed without notice.

Course Code and Number: BIOC 414	**Number of Credits:** 3 Course credit policy (105)
Course Full Title: Genomics **Course Short Title:** *(Transcripts only display 30 characters. Departments may recommend a short title if one is needed. If left blank, one will be assigned.)*	
Faculty: Faculty of Science	**Department (or program if no department):** Biology
Official Course Outline: This is a cross-listed course. Please refer to **BIO 414** for the official course outline.	
Calendar Description: Examines how genetic information is encoded, ordered, and expressed in whole organisms. Methods for obtaining, assembling, and annotating genomic sequences are explored. Students gain hands-on computer experience using various bioinformatics tools to handle and interpret genomic sequence data. Note: This course is offered as BIO 414 and BIOC 414. Students may take only one of these for credit.	
Prerequisites (or NONE):	BIO 201, BIO 202, and BIO 220.
Corequisites (if applicable, or NONE):	
Pre/corequisites (if applicable, or NONE):	
Antirequisite Courses *(Cannot be taken for additional credit.)* Former course code/number: Cross-listed with: **BIO 414** Dual-listed with: Equivalent course(s): **BIO 414** *(If offered in the previous five years, antirequisite course(s) will be included in the calendar description as a note that students with credit for the antirequisite course(s) cannot take this course for further credit.)*	**Transfer Credit** Transfer credit already exists: *(See **bctransferguide.ca**.)* ☒ No ☐ Yes Submit outline for (re)articulation: ☒ No ☐ Yes *(If yes, fill in transfer credit form.)*

Department / Program Head or Director: Gregory Schmaltz	**Date approved:**	September 2021
Faculty Council approval	**Date approved:**	October 8, 2021
Undergraduate Education Committee (UEC) approval	**Date of meeting:**	January 28, 2022