



ORIGINAL COURSE IMPLEMENTATION DATE: September 2016  
 REVISED COURSE IMPLEMENTATION DATE:  
 COURSE TO BE REVIEWED: (six years after UEC approval) December 2021  
 Course outline form version: 09/15/14

## OFFICIAL UNDERGRADUATE CROSS-LISTED COURSE OUTLINE FORM

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

<b>Course Code and Number:</b> BIOC 414	<b>Number of Credits:</b> 3 <a href="#">Course credit policy (105)</a>
<b>Course Full Title:</b> Genomics <b>Course Short Title (if title exceeds 30 characters):</b>	
<b>Faculty:</b> Faculty of Science	<b>Department (or program if no department):</b> Biology
<b>Official Course Outline:</b> This is a cross-listed course. Please refer to <b>BIO 414</b> for the official course outline.	
<b>Calendar Description:</b> This course 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.	
<b>Prerequisites (or NONE):</b>	BIO 201, BIO 202, and BIO 220.
<b>Corequisites (if applicable, or NONE):</b>	
<b>Pre/corequisites (if applicable, or NONE):</b>	
<b>Equivalent Courses (cannot be taken for additional credit)</b> Former course code/number: Cross-listed with: <b>BIO 414</b> Equivalent course(s): <b>BIO 414</b> <i>Note: Equivalent course(s) should be included in the calendar description by way of a note that students with credit for the equivalent course(s) cannot take this course for further credit.</i>	<b>Transfer Credit</b> Transfer credit already exists: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Transfer credit requested (OReg to submit to BCCAT): <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (if yes, fill in transfer credit form) Resubmit revised outline for articulation: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No To find out how this course transfers, see <a href="http://bctransferguide.ca">bctransferguide.ca</a> .
<b>Department / Program Head or Director:</b> Allan Arndt	<b>Date approved:</b> October 16, 2015
<b>Faculty Council approval</b>	<b>Date approved:</b> November 6, 2015
<b>Campus-Wide Consultation (CWC)</b>	<b>Date of posting:</b> December 11, 2015
<b>Dean/Associate VP:</b> Lucy Lee	<b>Date approved:</b> November 6, 2015
<b>Undergraduate Education Committee (UEC) approval</b>	<b>Date of meeting:</b> December 18, 2015