

## BIOCHEMISTRY 409: Proteomics COURSE OUTLINE – SPRING 2018

### Proteomics

The objective of this course is to examine in detail the use of proteomics in advanced biological applications.

**Instructor:** John Burke

**Coordinator:** Dr. John Burke

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Office Hours: Tuesday and Wednesday 12:30 PM . 1:30 PM or by appointment.

**Schedule:** Tuesday, Wednesday, and Friday 11:30 am . 12:30 pm, ELL 162

**Readings:** Readings will be posted on the course web site.

**Textbook:** none required

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### Topics (with approximate dates)

Dates (Friday date)	Topic	Instructor
Jan 5th	Introduction to proteomics	Burke
Jan 12th	Introduction to mass spectrometry infrastructure for biological applications	Burke
Jan 19th	Protein/peptide identification, <b>Midterm 1</b>	

**Student Evaluation:**

<b>Midterm 1</b> (Jan 19 <sup>th</sup> )	20%
<b>Midterm 2</b> (Feb 23rd):	25%
<b>Final</b> :	40%
<b>Assignments:</b> 3 assignments (5% each)	15%

There is no assigned text for the course; topics will be drawn from primary and review literature, assigned in class, and posted on the course website. Students are expected to complete the reading assignments and the material will be included in the midterm and final exams. There will be several 1-page, research or reading assignments made throughout the course. We expect students to attend all the lectures, take notes, and participate in classroom discussions. Students are expected to attend all midterm exams on the specified dates. Late assignments will not be marked and given a grade of 0. The slides used for lectures will be provided on the website before class, however these should not be considered complete and students are responsible for all material presented in class.

**UVic Grading Scheme**

<b>A<sup>+</sup></b>	90 -100	<b>B<sup>+</sup></b>	77 - 79	<b>C<sup>+</sup></b>	65 - 69	<b>F</b>	< 50
<b>A</b>	85 - 89	<b>B</b>	73 - 76	<b>C</b>	60 - 64	<b>N **</b>	< 50
<b>A<sup>-</sup></b>	80 - 84	<b>B<sup>-</sup></b>	70 - 72	<b>D</b>	50 - 59		

\*\* N grades

5. Students are expected to be present for the midterm and final exams. Instructors may grant deferrals for midterm examinations for illness, accident, or family affliction, and students must provide appropriate documentation 48 hours after the midterm exam. The Department of Biochemistry and Microbiology considers it a breach of academic integrity for a student taking a deferred examination to discuss the exam with classmates. Similarly, students who reveal the contents of an examination to students taking a deferred examination are considered to be in violation of the University of Victoria policy on academic integrity (see current University Calendar). Deferral of a final exam must be requested with an Academic Concession form and submitted directly to Undergraduate Records. Deferred final exams for fall term courses will be arranged by the instructor. Deferred final exams for spring term courses will be arranged through Undergraduate Records and must be written before the end of the summer term as stipulated in the University Calendar.
6. Multiple choice scan sheets for machine scoring (bubble sheets) are considered the authentic exam answer paper and will be retained by the department for 1 year.
7. Professors may refuse to review/remark exams not written in indelible ink. In addition, requests for review/remark of a midterm exam must be made within one week of the exam being returned. Students are expected to promptly pick up midterm exams after marking has been completed, either in class or from the instructor.
8. Examination papers that have pages removed, or are mutilated will not be marked.
9. The instructor reserves the right to use plagiarism detection software or other platforms to assess the integrity of student work.

### **Centre for Accessible Learning**

*Students with diverse learning styles and needs are welcome in this course. In particular, if you have a disability/health consideration that may require accommodations, approach the Centre for Accessible Learning (CAL) as soon as possible in order to assess your specific needs.*

<https://www.uvic.ca/services/cal/index.php>

### **Course Experience Survey (CES)**

*I value your feedback on this course. Towards the end of term you will have an opportunity to complete the CES.*