Biochemistry 9509S: Protein Interactions

2016 Course Outline

1. Course Information
Title: Biochemistry 9509S: Protein Interactions
Location: MSB 346
Date/Time: Tuesday, 9:30 – 11:30 am, January 5 to February 9

2. Instructor Information

<table>
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<tr>
<th>Instructor</th>
<th>Office</th>
<th>Email</th>
<th>Office Hours</th>
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<tbody>
<tr>
<td>Dr. Eric Ball</td>
<td>MSB 366</td>
<td><a href="mailto:ehball@uwo.ca">ehball@uwo.ca</a></td>
<td>By appointment</td>
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<tr>
<td>(Coordinator)</td>
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<tr>
<td>Dr. Brian Shilton</td>
<td>MSB 332</td>
<td><a href="mailto:bshilton@uwo.ca">bshilton@uwo.ca</a></td>
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<td>Dr. Stan Dunn</td>
<td>MSB 324</td>
<td><a href="mailto:sdunn@uwo.ca">sdunn@uwo.ca</a></td>
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<td>Dr. James Choy</td>
<td>MSB 302</td>
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<td>By appointment</td>
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3. Course Description
Biochemical and computational approaches to defining and characterizing protein interaction interfaces will be discussed. The course will include tutorials incorporating practical experience analyzing biochemical and structural data and in silico methods, such as molecular docking and homology modelling. The tutorials will also include the study, discussion, and critical analysis of journal articles. Evaluation will be on the basis of assignments and presentation of research articles. Attendance at lectures and participation in discussions of articles are required to pass the course.

4. Course Materials
No textbook is required. A laptop computer will be needed for tutorials.

5. Methods of evaluation
Assignments and presentations will be marked by the instructors.

Weighting:
Assignment 1  due Jan 11  10%
Assignment 2  due Jan 19  15%
Assignment 3  due Feb 22  40%
Presentation  TBD   25%
Participation     10%

6. Statement on Academic Offences

Scholastic offences are taken seriously and students are directed to read the appropriate policy, specifically, the definition of what constitutes a Scholastic Offence, at the following Web site:
http://www.uwo.ca/univsec/handbook/appeals/scholastic_discipline_grad.pdf

All required papers may be subject to submission for textual similarity review to the commercial plagiarism-detection software under license to the University for the detection of plagiarism. All papers submitted for such checking will be included as source documents in the reference database for the purpose of detecting plagiarism of papers subsequently submitted to the system. Use of the service is subject to the licensing agreement, currently between The University of Western Ontario and Turnitin.com (http://www.turnitin.com).

Plagiarism: Students must write their essays and assignments in their own words. Whenever students take an idea or a passage from another author, they must acknowledge their debt both by using quotation marks where appropriate and by proper referencing such as footnotes or citations. Plagiarism is a major academic offence (see Scholastic Offence Policy in the Western Academic Calendar).

As part of a successful graduate student experience at Western, we encourage students to make their health and wellness a priority. Western provides several on campus health-related services to help you achieve optimum health and engage in healthy living while pursuing your graduate degree. For example, to support physical activity, all students, as part of their registration, receive membership in Western’s Campus Recreation Centre. Numerous cultural events are offered throughout the year. Please check out the Faculty of Music web page http://www.music.uwo.ca/, and our own McIntosh Gallery http://www.mcintoshgallery.ca/. Information regarding health- and wellness-related services available to students may be found at http://www.health.uwo.ca/

Students seeking help regarding mental health concerns are advised to speak to someone they feel comfortable confiding in, such as their faculty supervisor, their program director (graduate chair), or other relevant administrators in their unit. Campus mental health resources may be found at http://www.health.uwo.ca/mental_health/resources.html
To help you learn more about mental health, Western has developed an interactive mental health learning module, found here: http://www.health.uwo.ca/mental_health/module.html. This module is 30 minutes in length and provides participants with a basic understanding of mental health issues and of available campus and community resources. Topics include stress, anxiety, depression, suicide and eating disorders. After successful completion of the module, participants receive a certificate confirming their participation.

Helpful Resources @ Western for Graduate Students
LS counsellors are ready to help you improve your learning skills. We offer presentations on strategies for improving time management, multiple-choice exam preparation/writing, textbook reading, and more. Individual support is offered throughout the Fall/Winter terms in the drop-in Learning Help Centre, and year-round through individual counselling. The Student Success Centre: http://success.uwo.ca/