

MOLECULAR BIOLOGY AND BIOCHEMISTRY

MBB 423-3

Protein Structure and Function

Spring 2015

Instructor:	Dr. E. C. Young	Office: SSB 7155
Description/topics:	Course Description: 3 lecture hours + 1 tutorial hour / week Through examination of modern research literature, students will learn to assess primary literature reports of structure data, and to formulate hypotheses and apply structural reasoning in investigations of molecular mechanism.	
	Topics Structural basis of protein function: Stability and flexibility Enzymatic catalysis Integrating multiple functions Obtaining and assessing structural data: X-ray crystallography Electron microscopy Spectroscopic techniques	
Grading:	Quizzes/iClicker	15%
	Midterm Exam I	15%
	Written Assignment	15%
	Midterm Exam II	15%
	Final Exam	40%
	Grading is subject to change depending on enrolment.	
Required texts:	This course is not textbook-based. Course readings and research journal articles will be available in Library Reserves.	
Required materials:	iClicker transmitter required during lectures (available from SFU Bookstore).	
Prerequisite:	MBB 323 OR MBB 324 OR by permission of instructor.	

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Centre for Students with Disabilities (778-782-3112 or e-mail: csdo@sfu.ca).

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<http://students.sfu.ca/academicintegrity/index.html>

<http://www.lib.sfu.ca/help/tutorials/plagiarism-tutorial>

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