

9. **Human studies statement:** indicating whether students in the course may be expected to participate as subjects or researchers. See also [Section E.5](#) of the University Calendar.

STUDIES IN THE BIOLOGICAL SCIENCES INVOLVE THE USE OF LIVING AND DEAD ORGANISMS. Students are expected to be familiar with <http://www.ucalgary.ca/pubs/calendar/current/sc-5-1.html> of the on-line calendar.

See also <http://www.ucalgary.ca/pubs/calendar/current/e-5.html>.

10. OTHER IMPORTANT INFORMATION FOR STUDENTS:

- (a) **Misconduct:** Academic misconduct (cheating, plagiarism, or any other form) is a very serious offence that will be dealt with rigorously in all cases. A single offence may lead to disciplinary probation or suspension or expulsion. The Faculty of Science follows a zero tolerance policy regarding dishonesty. Please read the sections of the University Calendar under [Section K](#). Student Misconduct to inform yourself of definitions, processes and penalties.
- (b) **Assembly Points:** In case of emergency during class time, be sure to FAMILIARIZE YOURSELF with the information on [assembly points](#).
- (c) **Academic Accommodation Policy:** Students with documentable disabilities are referred to the following links: Students with Disabilities: <http://www.ucalgary.ca/pubs/calendar/current/b-1.html> [B.1](#) and Student Accessibility Services: <http://www.ucalgary.ca/access/>.
- (d) **Safewalk:** Campus Security will escort individuals day or night (<http://www.ucalgary.ca/security/safewalk/>). Call 220-5333 for assistance. Use any campus phone, emergency phone or the yellow phones located at most parking lot pay booths.
- (e) **Freedom of Information and Privacy:** This course is conducted in accordance with the Freedom of Information and Protection of Privacy Act (FOIPPA). As one consequence, students should identify themselves on all written work by placing their name on the front page and their ID number on each subsequent page. For more information see also <http://www.ucalgary.ca/secretariat/privacy>.
- (f) **Student Union Information:** VP Academic Phone: 220-3911 Email: suvpaca@ucalgary.ca.
SU Faculty Rep. Phone: 220-3913 Email: sciencerep@su.ucalgary.ca; [Student Ombudsman](#)
- (g) **Internet and Electronic Device Information:** You can assume that in all classes that you attend, your cell phone should be turned off unless instructed otherwise. Also, communication with other individuals, via laptop computers, Blackberries or other devices connectable to the Internet is not allowed in class time unless specifically permitted by the instructor. If you violate this policy you may be asked to leave the classroom. Repeated abuse may result in a charge of misconduct.
- (h) **U.S.R.I.:** At the University of Calgary, feedback provided by students through the Universal Student Ratings of Instruction (USRI) survey provides valuable information to help with evaluating instruction, enhancing learning and teaching, and selecting courses (www.ucalgary.ca/usri). Your responses make a difference - please participate in USRI Surveys.

Department Approval _____ ORIGINAL SIGNED _____ Date _____

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Tentative Lecture Plan

Week#1			
Jan.	13	Course introduction and organization	EP/VZ
	13	no tutorial	
	15	Introduction to lipid and lipid structure	lecture EP
	15	no tutorial	
Week#2			
Jan.	20	Properties of membrane lipids and bilayers	lecture EP
	20	no tutorial	
	22	Model Systems	lecture EP
	22	no tutorial	
Week#3			
Jan	27	Models systems cont.	lecture EP
	27	Tutorial-1-group-1	
	29	Biophysical methods	lecture EP
	29	Tutorial-1group-2	
Week#4			
Feb	3	Permeability and electrical properties	lecture EP
	3	Tutorial 2 paper 1-1	
Feb.	5	Membrane potentials	lecture EP
	5	Tutorial 2: paper 1-2	
Week#5			
Feb.	10	Membrane Fusion	lecture EP
	10	Tutorial 3 paper 2-1	
	12	Lipid signaling (ceramide)	lecture EP
	12	Tutorial 3: paper 2-2	
Week#6			
Feb.	24	Biomembrane and mem genesis	lecture EP
	24	Tutorial 4: paper 3-1	
	26	Antimic	lecture EP
	26	Tutorial 4: paper 3-2	
Week#7			
Mar.	03	Antimic and Pathogenesis	lecture EP
	03	Tutorial	
	05	Midterm exam Material EP	
	05	no tutorial	
Week#8			
Mar	10	Lipid metabolism- Fatty acids	lecture VZ
	10	no tutorial	
	12	Fatty acid elongation and desaturation- Beta oxidation	lecture VZ
	12	no tutorial	
Week#9			
Mar.	17	Lipid metabolism- Phospholipid	lecture VZ
	17	no tutorial	
	19	TAG-sphingolipids-cholesterol	lecture VZ
	19	no tutorial	
Week#10			
Mar.	24	Glycerolipids-bacteria	lecture VZ
	24	Tutorial 5 Paper 4-1	
	26	Tools and techniques for analysis of lipids- Phospholipid turnover	lecture VZ
	26	Tutorial 5 Paper 4-2	

Week#11			
Mar.	31	TBA	lecture VZ
	31	Tutorial 6 Paper 5-1	
Apr	02	Bioactive lipids	lecture VZ
	02	Tutorial 6 Paper 5-2	
Week#12			
Apr.	07	Cellular cholesterol: compartmentalization and trafficking I	lecture VZ
	07	Tutorial 7 paper 6-1	
	09	Cellular cholesterol: compartmentalization and trafficking II	lecture VZ
	09	Tutorial 7 paper 6-2	
Week#13			
Apr.	14	Lipid rafts	lecture VZ
	14	Tutorial: lecture Lipid signaling in disease- lipid drugs	lecture VZ

FINAL EXAM SCHEDULED BY THE REGISTRAR

Grade Scale

A+	92
A	86
A-	82
B+	78
B	74
B-	70
C+	66
C	62
C-	58
D+	54
D	50
F	<50