



- (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 (FOIPP). 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: 403 220-3911 Email: [suvpaca@ucalgary.ca](mailto:suvpaca@ucalgary.ca)  
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 Student Ombuds Office: 403 220-6420 Email: [ombuds@ucalgary.ca](mailto:ombuds@ucalgary.ca); <http://ucalgary.ca/provost/students/ombuds>
- (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) 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](http://www.ucalgary.ca/usri)). Your responses make a difference - please participate in USRI Surveys.

Department Approval \_\_\_\_\_ ORIGINAL SIGNED \_\_\_\_\_ Date \_\_\_\_\_

Department Approval  
 For NO Final Exam : \_\_\_\_\_ ORIGINAL SIGNED \_\_\_\_\_ Date: \_\_\_\_\_  
 M519 F16; 8/18/2016 10:26 AM

TENTATIVE SCHEDULE FOR CMMB 519 Fall 2016

		<u>Instructor</u>
September	13 - Introduction, course outline, assignments, and overview of cell biology techniques. 15 - Cytoskeleton – components, dynamics and organization  20 - Cytoskeleton – components, dynamics and organization 22 - Cytoskeleton – associated proteins and motors  27 - Cytoskeleton – associated proteins and motors 29 - Cytoskeleton – cell shape and cell migration	DGM
October	4 - Lab session 6 - Lab session 11 - Hedgehog signal transduction and IFT 13 - Primary cilia 18 - GECI 20 - Cilia and GECI 25 - Cilia and septins 27 – Wnt signaling and cilia	PDV
November	1 - GFP reporters – neural activity 3 - GFP reporters – cell cycle 8 - RNA trafficking – general 15 - Visualization of RNA localization 17 - RNPs and RNA export 22 - RNA localization – Trans-acting factors 24- RNA granule types and function, processing bodies (P bodies) 29 - RNA localization – Translational control	DGM
December	1 - Peroxisomes 6 - Peroxisome dynamics 8 - Peroxisome biogenesis and protein import	

CMMB 519 covers several cell biology topics. The course has a focus on understanding how to approach problems associated with cell biology research. The course involves instructor lecturing, critical reading of key research papers, student presentations, group discussion, and take home assignments. There is an emphasis on the techniques used to study cell biology. A laboratory session on advanced fluorescence microscopy is included.

After completing this course, students will have gained experience in critical reading of substantive and high-impact cell biology research publications; be able to describe common experimental techniques used to study cell biology; design experiments aimed at testing cell biology related hypotheses; critique high-impact cell biology research publications in a written format; and present orally the results from a high-impact cell biology research publications.

There are no required textbooks for this course. However, a useful resource for some of the course material is "Molecular Biology of the Cell" Alberts et al., 2008, 5th Ed. This book is available on reserve at the main Library.

GRADING SCALE

Letter Grade	Cut-Off
A+	90+
A	85
A-	80
B+	77
B	73
B-	70
C+	67
C	63
C-	60
D+	55
D	50
F	<50