



**CUMMING SCHOOL OF MEDICINE  
GRADUATE COURSE OUTLINE**

<b>COURSE TITLE:</b>			
<b>Course</b>	MDSC 638 – Mucosal Pathophysiology		
<b>Pre/Co-Requisites</b>	none		
<b>Faculty</b>	Cumming School of Medicine, Graduate Science Education		
<b>Instructor Name(s)</b>	Simon Hirota	<b>Email</b>	shirota@ucalgary.ca
<b>Office Location</b>	HS1845	<b>Office Hours</b>	By appointment
<b>Instructor Email Policy</b>	U of Calgary email account is only monitored between 8am-5pm (Mon.- Fri.)		
<b>Telephone No.</b>	403-210-7888		
<b>TA Name</b>	n/a	<b>Email</b>	n/a
<b>Class Term, Days</b>	Winter term – Monday & Friday		
<b>Class Times</b>	1:00-2:30 (with some exceptions, see Course Timetable)		
<b>Class Location</b>	HSG746 (with some exceptions, see Course Timetable)		

<b>COURSE INFORMATION/DESCRIPTION OF THE COURSE</b>
<p>This is a self-directed learning, tutorial-based course that will use weekly cases or problems to address current topics in mucosal pathophysiology. The students will learn about the mucosal immunity and other aspects of mucosal defence as they apply to diseases of the gastrointestinal tract, airways and urogenital tract.</p> <p>Each problem will be addressed in three sessions. The first session will be an introduction to the problem, where students will work together to identify what knowledge they have that pertains to the problem, and will develop learning objectives to help guide self-study of unknown aspects of the problem.</p> <p>During the second session, the group will review the objectives and students will discuss the information they have learned on the topic. At the conclusion of this session, any remaining objectives and any new objectives will be set for self-study.</p> <p>In the third and final session, the group will review the objectives and students will discuss the information they have learned on the topic. The session will conclude with a self and group</p>

evaluation of each student's performance over the course of the time addressing the problem, and the next problem introduced, and new objectives defined.

The students will also prepare a research (grant) proposal on a relevant topic of their choosing, and will present an interim and final mini-seminar on this topic to the group.

#### LEARNING RESOURCES/REQUIRED READING

None. Reading and resources will be identified by the students as part of the self-directed learning process.

#### COURSE OBJECTIVES/LEARNING OUTCOMES

At the successful completion of this course, students should be able to:

1. Use problem-based learning strategies to address learning scenarios related to mucosal pathophysiology.
2. Generate learning objectives, carry out independent research using the scientific literature, and synthesize information to meet the learning objectives.
3. Demonstrate effective communication skills through group discussion, oral presentations and written assignments.

Demonstrate an understanding of key concepts in mucosal pathophysiology through participation in group discussion.

#### CUT POINTS FOR GRADES

This course adheres to the grading system outlined in the University of Calgary, Faculty of Graduate Studies Calendar. Grades of A+ and A are not distinguished in the calculation of GPAs. Percentage/letter grade conversion used for this course is as follows

Grade	Grade Point Value	Percentage Conversion	Graduate Description
A+	4.00	95-100	Outstanding
A	4.00	90-94	Excellent – superior performance showing comprehensive understanding of the subject matter
A-	3.70	85-89	Very Good Performance
B+	3.30	77-84	Good Performance
B	3.00	72-76	Satisfactory Performance
B-	2.70	68-71	Minimum Pass for Students in the Faculty of Graduate Studies

C+	2.30	63-67	All grades below 'B-' are indicative of failure at the graduate level and cannot be counted toward Faculty of Graduate Studies course requirements
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<b>Assessment Components:</b> The University policy on grading related matters is outlined in the <a href="#">2019-2020 Calendar</a> .			
Assessment Methods	Description	Weight %	Due Date <u>and</u> Time
Oral/Group Participation	Self-directed learning midterm evaluation (class discussion/participation)	25	March 6, 2020
Oral/Group Participation	Self-directed learning end of term evaluation (class discussion/participation)	25	March 20, 2020
Oral	Interim Grant Proposal Presentation	10	March 30, 2020
Oral	Final Grant Proposal Presentation	15	April 13, 2020
Written	Research Grant Proposal	25	April 13, 2020 (5pm)

ASSESSMENT AND EVALUATION INFORMATION
<p><b>ATTENDANCE AND PARTICIPATION EXPECTATIONS:</b> Attendance is mandatory unless prior arrangements have been made with the instructor. This course relies on cooperative group activity. Students will engage in respectful and professional behaviour at all times. Abuse in any form will not be tolerated.</p> <p><b>GUIDELINES FOR SUBMITTING ASSIGNMENTS:</b> The Research Grant Proposal</p> <p><b>FINAL EXAMINATIONS:</b> n/a</p> <p><b>EXPECTATIONS FOR WRITING:</b></p> <p><b>LATE AND/OR MISSING ASSIGNMENTS:</b> Late assignments will lose a value of 5% per day.</p>

**Is a passing grade on a particular component essential to pass the course as a whole?**

No

**COURSE TIMETABLE**

Date	Time	Room	Activity
Monday January 13, 2020	1:00-2:30pm	HSC G746	Class introduction + identify CASE1 objectives
Friday January 17, 2020	1:00-2:30pm	HSC G746	CASE1 objective discussion + identify new objectives
Monday January 20, 2020	CANCELLED	CANCELLED	CANCELLED - Keystone Organoid Conference
Friday January 24, 2020	3:30-5:00pm	TBD	CASE1 objective discussion + identify new objectives
Monday January 27, 2020	1:00-2:30pm	HSC G746	CASE1 discussion + summary; identify CASE2 objectives
Friday January 31, 2020	1:00-2:30pm	HSC G746	CASE2 objective discussion + identify new objectives
Monday February 3, 2020	1:00-2:30pm	HSC G746	CASE2 discussion + summary; identify CASE3 objectives
Friday February 7, 2020	1:00-2:30pm	HSC G746	CASE3 objective discussion + identify new objectives
Monday February 10, 2020	1:00-2:30pm	HSC G746	CASE3 discussion + summary; identify CASE4 objectives
Friday February 14, 2020	CANCELLED	CANCELLED	CANCELLED - Family Day Weekend
Monday February 17, 2020	CANCELLED	CANCELLED	CANCELLED - Family Day Weekend/Reading Week
Friday February 21, 2020	CANCELLED	CANCELLED	CANCELLED - Reading Week
Monday February 24, 2020	1:00-2:30pm	HSC G746	CASE4 objective discussion + identify new objectives
Friday February 28, 2020	CANCELLED	CANCELLED	CANCELLED - CDDW meeting
Monday March 1, 2020	CANCELLED	CANCELLED	CANCELLED - CDDW meeting
Friday March 6, 2020	1:00-2:30pm	TBD	CASE4 discussion + summary; identify CASE5 objectives
Monday March 9, 2020	1:00-2:30pm	HSC G746	CASE5 objective discussion + identify new objectives
Friday March 13, 2020	1:00-2:30pm	HSC G746	CASE5 discussion + summary; identify CASE6 objectives
Monday March 16, 2020	1:00-2:30pm	HSC G746	CASE6 objective discussion + identify new objectives
Friday March 20, 2020	1:00-2:30pm	HSC G746	CASE6 discussion + summary
Monday March 23, 2020	CANCELLED	CANCELLED	CANCELLED - March Break (Hirota)
Friday March 27, 2020	CANCELLED	CANCELLED	CANCELLED - March Break (Hirota)
Monday March 30, 2020	1:00-2:30pm	HSC G746	Grant Proposal - Presentations (Introduction, rationale & aims)
Friday April 3, 2020	CANCELLED	CANCELLED	CANCELLED - Experimental Biology meeting
Monday April 6, 2020	CANCELLED	CANCELLED	CANCELLED - Experimental Biology meeting
Friday April 10, 2020	CANCELLED	CANCELLED	CANCELLED - Good Friday
Monday April 13, 2020	1:00-2:30pm	HSC G746	Grant Proposal Presentations



## INTERNET AND ELECTRONIC COMMUNICATION DEVICE INFORMATION

Cell phones must be turned off in class unless otherwise arranged with the instructor.

The use of laptop and mobile devices is acceptable when used in a manner appropriate to the course and classroom activities. Students are to refrain from accessing websites that may be distracting for fellow learners (e.g. personal emails, Facebook, YouTube). Students are responsible for being aware of the University's Internet and email use policy, which can be found at

<https://www.ucalgary.ca/policies/files/policies/electronic-communicationspolicy.pdf>.

## MEDIA AND RECORDING IN LEARNING ENVIRONMENTS

### **Media recording for lesson capture**

The instructor may use media recordings to capture the delivery of a lecture. These recordings are intended to be used for lecture capture only and will not be used for any other purpose. Although the recording device will be fixed on the Instructor, in the event that incidental student participation is recorded, the instructor will ensure that any identifiable content (video or audio) is masked, or will seek consent to include the identifiable student content to making the content available on University approved platforms.

### **Media recording for assessment of student learning**

The instructor may use media recordings as part of the assessment of students. This may include but is not limited to classroom discussions, presentations, clinical practice, or skills testing that occur during the course. These recordings will be used for student assessment purposes only and will not be shared or used for any other purpose.

### **Media recording for self-assessment of teaching practices**

The instructor may use media recordings as a tool for self-assessment of their teaching practices. Although the recording device will be fixed on the instructor, it is possible that student participation in the course may be inadvertently captured. These recordings will be used for instructor self-assessment only and will not be used for any other purpose.

### **Student Recording of Lectures**

Audio or video recording of lectures is prohibited except where explicit permission has been received from the instructor.

## UNIVERSITY OF CALGARY POLICIES AND SUPPORTS

### **ACADEMIC ACCOMMODATIONS**

Students seeking an accommodation based on disability or medical concerns should contact Student Accessibility Services; SAS will process the request and issue letters of accommodation to instructors. For additional information on support services and accommodations for students with disabilities, visit



[www.ucalgary.ca/access/](http://www.ucalgary.ca/access/). Students who require an accommodation in relation to their coursework based on a protected ground other than disability should communicate this need in writing to their Instructor. The full policy on Student Accommodations is available at <http://www.ucalgary.ca/policies/files/policies/student-accommodation-policy.pdf>

### **IMPORTANT INFORMATION**

Any research in which students are invited to participate will be explained in class and approved by the appropriate University Research Ethics Board

### **INSTRUCTOR INTELLECTUAL PROPERTY**

Course materials created by professor(s) (including course outlines, presentations and posted notes, labs, case studies, assignments and exams) remain the intellectual property of the professor(s). These materials may NOT be reproduced, redistributed or copied without the explicit consent of the professor. The posting of course materials to third party websites such as note-sharing sites without permission is prohibited. Sharing of extracts of these course materials with other students enrolled in the course at the same time may be allowed under fair dealing

### **COPYRIGHT LEGISLATION**

All students are required to read the University of Calgary policy on Acceptable Use of Material Protected by Copyright ([www.ucalgary.ca/policies/files/policies/acceptable-use-of-material-protected-by-copyright.pdf](http://www.ucalgary.ca/policies/files/policies/acceptable-use-of-material-protected-by-copyright.pdf)) and requirements of the copyright act (<https://laws-lois.justice.gc.ca/eng/acts/C-42/index.html>) to ensure they are aware of the consequences of unauthorised sharing of course materials (including instructor notes, electronic versions of textbooks etc.). Students who use material protected by copyright in violation of this policy may be disciplined under the Non-Academic Misconduct Policy

### **ACADEMIC INTEGRITY**

The Cumming School of Medicine expects intellectual honesty from its students. Course participants should be aware of University policies relating to Principles of Conduct, Plagiarism and Academic Integrity. These are found in the printed Faculty of Graduate Studies Calendar, or online under Academic Regulations in the Faculty of Graduate Studies Calendar, available at [Faculty of Graduate Studies Academic Regulations](#)

### **ACADEMIC MISCONDUCT**

For information on academic misconduct and its consequences, please see the University of Calgary Calendar at <http://www.ucalgary.ca/pubs/calendar/current/k.html>

### **EMERGENCY EVACUATION AND ASSEMBLY POINTS**

Assembly points for emergencies have been identified across campus. The primary assembly points for South Campus (Health Science Centre (HSC); Health & Research Innovation Centre (HRIC); Heritage Medical Research Building (HMRB) and Teaching, Research and Wellness (TRW)) are:

- HSC and HMRB: HRIC Atrium (alternate assembly point is Parking Lot 6)
- HRIC: HMRB Atrium (alternate assembly point is Parking Lot 6)
- TRW: McCaig Tower (alternate assembly point is HMRB – Atrium)

### **APPEALS**



If there is a concern with the course, academic matter or a grade, first communicate with the instructor. If these concerns cannot be resolved, students can proceed with an academic appeal, as per Section N of the Faculty of Graduate Studies Calendar. Students must follow the official process and should contact the Student Ombuds Office (<http://www.ucalgary.ca/provost/students/ombuds>) for assistance with this and with any other academic concerns, including academic and non-academic misconduct

### **THE FREEDOM OF INFORMATION AND PROTECTION OF PRIVACY (FOIP) ACT**

This course is conducted in accordance with the Freedom of Information and Protection of Privacy Act (FOIP) and students should identify themselves on written assignments (exams and term work.) by their name and ID number on the front page and ID on each subsequent page. Assignments given by you to your course instructor will remain confidential unless otherwise stated before submission. The assignment cannot be returned to anyone else without your expressed permission to the instructor. Grades will be made available on an individual basis and students will not have access to other students' grades without expressed consent. Similarly, any information about yourself that you share with your course instructor will not be given to anyone else without your permission

### **WELLNESS AND MENTAL HEALTH RESOURCES**

The University of Calgary recognizes the pivotal role that student mental health plays in physical health, social connectedness and academic success, and aspires to create a caring and supportive campus community where individuals can freely talk about mental health and receive supports when needed. We encourage you to explore the excellent mental health resources available throughout the university community, such as counselling, self-help resources, peer support or skills-building available through the SU Wellness Centre (Room 370, MacEwan Student Centre), <https://www.ucalgary.ca/wellnesscentre/services/mental-health-services> and the Campus Mental Health Strategy website <https://www.ucalgary.ca/mentalhealth/>

### **SUPPORTS FOR STUDENT LEARNING, SUCCESS, AND SAFETY**

**Student Ombudsman:** The Student Ombuds' Office supports and provides a safe, neutral space for students. For more information, please visit [www.ucalgary.ca/ombuds/](http://www.ucalgary.ca/ombuds/) or email [ombuds@ucalgary.ca](mailto:ombuds@ucalgary.ca)

**Student Union:** The SU Vice-President Academic can be reached at (403) 220-3911 or [suvpaca@ucalgary.ca](mailto:suvpaca@ucalgary.ca); Information about the SU, including elected Faculty Representatives can be found here: <https://www.su.ucalgary.ca>

**Graduate Student's Association:** The GSA Vice-President Academic can be reached at (403) 220- 5997 or [gsa.vpa@ucalgary.ca](mailto:gsa.vpa@ucalgary.ca); Information about the GSA can be found here: <https://gsa.ucalgary.ca>

### **SAFEWALK**

Campus security will escort individuals, day or night, anywhere on campus (including McMahon Stadium, Health Sciences Centre, Student Family Housing, the Alberta Children's Hospital and the University LRT station). Call 403-220-5333 or visit <http://www.ucalgary.ca/security/safewalk>. Use any campus phone, emergency phone or the yellow phone located at most parking lot pay booths. Please ensure your personal safety by taking advantage of this service.

