



CUMMING SCHOOL OF MEDICINE
GRADUATE COURSE OUTLINE

COURSE TITLE: Orientation and Clinical Rotations for Pathologists' Assistants			
Course	MDSC 751.43		
Pre/Co-Requisites	Must be registered in the Pathologists' Assistant Master's Graduate program or the Pathologists' Assistant specialization of the Medical Sciences graduate program. Consent of instructor is required for all other students.		
Faculty	Cumming School of Medicine, Graduate Science Education		
Instructor Name(s)	Lawrence DeKoning Bill Gorday	Email	Lawrence.DeKoning@albertapubliclabs.ca William.Gorday@albertapubliclabs.ca
Office Location	ACH Pathology and 7 th floor McCaig tower gross room	Office Hours	Monday to Friday 8:00 to 16:15
Instructor Email Policy	Responds to emails within 24 hours on weekdays		
Telephone No.	Bill Gorday (403-944-3297), Lawrence DeKoning (403-955-2277)		
TAName, if applicable	n/a	Email	n/a
Class Term, Days	Fall Block Week, Monday to Friday		
Class Times	8:00 to 16:15		
Class Location	7 th Floor McCaig Tower Gross Room and lab tours at the Diagnostic Scientific Center and Alberta Children's Hospital		

COURSE INFORMATION/DESCRIPTION OF THE COURSE
<p>The Orientation course is a one week, multi-faceted course to introduce Pathologists' Assistant students to the various components of the medical laboratory. The educational curriculum contains the following components:</p> <ol style="list-style-type: none"> 1. Anatomic Pathology Management 2. Educational Methodology 3. Clinical Pathology 4. Medical Ethics 5. Medical Photography 6. Safety Regulations

7. Forensic Pathology

LEARNING RESOURCES/REQUIRED READING

Laboratory Management Principles and Processes 3rd edition, Dr. Denise M. Harmening

COURSE OBJECTIVES/LEARNING OUTCOMES

After attending the lecture or lab tour the student will:

1. Anatomic Pathology Management
 - a. Describe management functions
 - b. Define quality domains and aspects of quality
 - c. Summarize the standards and accreditation process that laboratories must adhere to.
 - d. Discuss and explain quality improvement processes
2. Educational Methodology
 - a. Describe the principles of adult learning theory
 - b. Discuss barriers to adult learning
 - c. Describe domains and taxonomy of learning
 - d. review structure of a lecture
 - e. Outline the process of bench side teaching
3. Clinical Pathology
 - a. Outline the importance of clinical pathology in patient management
 - b. Summarize the different aspects of clinical pathology (hematology, chemistry, microbiology)
4. Medical Ethics
 - a. Outline brief history of ethics in medicine
 - b. Describe the four broad ethical principles; non-maleficence, beneficence, justice and autonomy
 - c. List the steps for addressing ethical dilemmas and apply the steps to case study questions
5. Medical Photography
 - a. recognize when a photograph is appropriate for documentation of a specimen
 - b. apply basic photography principles to create appropriately scaled, identified, representative, clean, focused, photographs to accurately depict the pathological process.
6. Safety Regulations
 - a. Describe the reason for being instructed in WHMIS
 - b. Identify the two major components of WHMIS
 - c. Provide examples of physical and health hazards
 - d. Identify pictograms
 - e. Recognize supplier and workplace labels
 - f. Describe categories, signal words and hazard statements
7. Forensic Pathology
 - a. Define cause and manner of death

- b. Summarize the golden triangle
- c. define the different types of trauma
- d. Identify the difference between contact, close-intermediate, distant and indeterminate gun shot wounds.
- e. Discuss the importance of forensic pathology as it pertains to avoiding miscarriages of justice.

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

Assessment Components: The University policy on grading related matters is outlined in the [2019-2020 Calendar](#).

Assessment Methods	Description	Weight %	Due Date and Time
Quiz 1	Medical Photography	16.7	August 26, 16:00
Quiz 2	Educational Methodology	16.7	August 27, 16:00
Quiz 3	Medical Ethics	16.7	August 28, 16:00
Quiz 4	Anatomic Pathology Management	16.7	August 29, 16:00



Quiz 5	Safety Regulations	16.7	August 30, 16:00
Quiz 6	Forensic Lecture	16.7	August 30, 16:00

ASSESSMENT AND EVALUATION INFORMATION

ATTENDANCE AND PARTICIPATION EXPECTATIONS: Because the course is only one week in duration the students are expected to attend all lectures and tours. Exceptions will be given for valid health or family emergencies as indicated in the University regulations.

GUIDELINES FOR SUBMITTING ASSIGNMENTS: The quizzes will be handed out at the end of the corresponding lecture and completed that day. The exception is the WHMIS quiz which is handed out on August 28th and handed in August 30th before 16:00.

FINAL EXAMINATIONS: There are no final examinations.

EXPECTATIONS FOR WRITING: There are no written assignments

LATE AND/OR MISSING ASSIGNMENTS: Each quiz will be completed after the corresponding lecture. If the student is unable to attend due to a valid health or family emergency as indicated in the University regulations an alternative day will be scheduled for the student to review the lecture material and complete the quiz.

Is a passing grade on a particular component essential to pass the course as a whole? No.

COURSE TIMETABLE			
Course Schedule Date	Topic & Reading	Instructor	Assignments/Due Dates & Times
August 26, 8:00-13:00	Introduction, general review of the MPATH program, medical photography	Bill Gorday	Quiz 1, 16:00
August 27, 8:00-15:00	Educational methodology, tour of hematology, microbiology, chemistry, pathology, special stains and immunohistochemistry at the DSC.	Bill Gorday and Lawrence Dekoning	Quiz 2, 16:00



August 28, 8:00-12:00	Medical ethics, fill out ID badge paper work, get ID badges and access cards. WHMIS handbook and quiz handed out.	Bill Gorday	Quiz 3, 16:00
August 29, 8:00-11:00	Anatomic pathology lab management	Bill Gorday	Quiz 4, 16:00
August 30, 8:00-13:00	Forensic pathology, WHMIS quiz handed in, meet and greet with 2 nd year PA students.	Bill Gorday	Quiz 5 and 6, 16:00

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/. 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) 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/ or email ombuds@ucalgary.ca



Student Union: The SU Vice-President Academic can be reached at (403) 220-3911 or 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; 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.