



Foundations in Clinical Medicine II

MEDC 146.21

YEAR 1 TERM 2

 **COURSE SYLLABUS**
2023/2024



UNIVERSITY OF SASKATCHEWAN

College of Medicine

MEDICINE.USASK.CA

LAND ACKNOWLEDGEMENT

As we engage in Remote Teaching and Learning, we acknowledge we are on Treaty Six and Treaty Four Territory and the Homeland of the Métis. We pay our respect to the First Nation and Métis ancestors of this place and reaffirm our relationship with one another. We recognize that in the course of your studies you will spend time learning in other traditional territories and Métis homelands. We wish you safe, productive and respectful encounters in these places.

Foundations in Clinical Medicine I – Course Overview

COURSE DESCRIPTION

This course is the second in a series of four Foundations of Clinical Medicine courses and includes two curricular components:

1. A longitudinal Case-Based Learning Module.
2. Clinical systems-based modules: Gastrointestinal, Respiratory, Cardiovascular, Dermatology and Plastics.

Building on their learning from Foundations I students will continue to learn to apply knowledge and skills towards care of people with common and/or urgent medical conditions.

Completion of this course will help you attain elements of your overall undergraduate program objectives ([Program Learning Objectives](#)).

COURSE PREREQUISITES

A student must have successfully completed Foundations of Clinical Medicine I (MEDC 136.21) or be conditionally promoted and engaged in a program of remediation for the MEDC 136.21 course as approved by the Student Academic Management Committee prior to the start of the Foundations of Clinical Medicine II course.

OVERALL COURSE OBJECTIVES

Building on their knowledge from MEDC 136.21, students will learn to care for patients with common and/or urgent medical conditions by acquiring and applying knowledge and clinical reasoning skills to:

1. Explain the pathogenesis and pathophysiology of the subject conditions, with reference to the divergence from normal anatomy, histology and/or physiology.
2. Generate reasonable differential diagnoses and evidence-based management plans.
3. Select and interpret appropriate evidence-based investigations.
4. Develop an evidence informed approach to health promotion, illness prevention and disease screening for healthy and at-risk populations.

In addition, each individual module in the course will also have its own specific module objectives and separate session objectives of learning. Detailed individual lecture and session objectives will be posted in One45. Please take care to review in advance.

All learning objectives (course, module, and session) can be accessed on the College of Medicine/Curriculum website under the appropriate year and course. A print version is also available. Please access the link below for the most current objectives.

<https://elentra.usask.ca/community/ugmecurriculum>

Information on literal descriptors for grading in the College of Medicine at the University of Saskatchewan can be found in the [Student Information Guide – Pre-Clerkship](#) – Student Assessment Section.

More information on the U of S Academic Courses Policy relating to course delivery, examinations and assessment of student learning can be found at: <http://policies.usask.ca/policies/academic-affairs/academic-courses.php>. College of Medicine specific policies and procedures for course delivery, exams and assessment can be found on the [Policies, Procedures and Forms](#) page of the College of Medicine website.

The University of Saskatchewan Learning Charter is intended to define aspirations about the learning experience that the University aims to provide, and the roles to be played in realizing these aspirations by students, instructors, and the institution. A copy of the Learning Charter can be found at: [Learning charter - Teaching and Learning | University of Saskatchewan \(usask.ca\)](#)

COURSE CONTACTS

Course Chairs: Dr. Jennifer Chlan - jen.chlan@usask.ca (306) 966-6557

Dr. Matt Wong – msw932@mail.usask.ca (306) 966-6138 c/o Cheryl Pfeifer

Dr. Kelsey Brose Co-Chair (Assessment) - kelsey.brose@saskcancer.ca (306) 655-1483

Administrative Coordinator: Cheryl Pfeifer - cheryl.pfeifer@usask.ca (306) 966-6138

COURSE SCHEDULE

The Foundations in Clinical Medicine II Course is organized into 4 modules running sequentially on specific assigned days and a Case-Based-Based Learning module that runs longitudinally throughout the term. Session schedules for each of the modules will be posted in One45.

All information relating to this course is available in **One45**. Please check One45 **DAILY** to ensure that you have the current schedule information.

COURSE DELIVERY

Students will learn through a variety of methods, including:

- Large group sessions including lectures, interactive discussions, case-based problem solving
- Interactive small group learning sessions including laboratory learning
- Independent self-directed reading and exercises

COURSE MATERIAL ACCESS

Course materials are available in One45. The syllabus, forms, and other useful documents will be posted there. In some modules, Canvas will be used for submission of assignments.

If you have difficulty accessing your account, please contact Student Central (306) 966-1212 or contact IT Services Help Desk (306) 966-4817.

RESOURCES

It is strongly recommended that you use the following resources (or similar general texts) as references for the Foundations course. Relying on class notes alone will not typically be sufficient to meet your learning objectives. Individual Modules will have additional specific recommended or required resources. It may be helpful to review websites such as <http://www.choosingwiselycanada.org>.

The Firstline (formerly Spectrum) app for infectious disease/microbiology/antibiotic therapy guidance is available for free download through the App Store and Google Play. A web-version is also available <https://firstline.org/sha/>

The FirstLine app is a useful resource with information around infectious diseases/microbiology and antibiotic choices. The FirstLine app also includes access to the educational game Microbial Pursuits developed in collaboration with FirstLine by U of S faculty/students. [Firstline - Microbial Pursuit](#)

The CANImmunize app with guidance for immunization schedules and information is available for free download through the App Store and Google Play.

Climate Wise Slides website provides educational systems-based material to help engage students with planetary health teaching topics. https://www.cwslides.com/?fbclid=IwAR2WGak-y5p8qhUjo_YGtrl0qGDc3svUNHHTAU3jaQGuzrXnR7gKvGKQSAo

The texts listed below are all available as free e-books through the Health Sciences library <http://libguides.usask.ca/c.php?g=16462&p=91000>. If you need assistance finding these texts, contact your Health Sciences librarian.

1. A general medicine text such as Harrison's Principles of Internal Medicine by Kasper et al (ISBN: 1 978-0-07-1802161 for e-book). Edition: 19.
2. A general surgical text such as Sabiston Textbook of Surgery by Townsend C (ISBN 978-1-4377-1560-6). Edition: 19 or Current Diagnosis and Treatment – Surgery by Doherty G (ISBN 978-0-07-179211-0). Edition: 14.
3. A general pediatrics text such as Nelson Essentials of Pediatrics by Marcante, Karen J (ISBN: 978-1-4557-5980-4). Edition: 7 or Rudolph's Pediatrics by Rudolph C. et al. (ISBN: 9780071790376). Edition: 22.
4. Anatomy TV: <https://libguides.usask.ca/PRIMAL>
5. Additional Anatomy Resources: <https://libguides.usask.ca/medicine/anatomy>

Undergraduate Diagnostic Imaging Fundamentals E-Book

The Undergraduate Diagnostic Imaging Fundamentals, by Dr. Brent Burbridge (MD, FRCPC) is an e-book resource to augment the presentation for imaging of common clinical conditions. Guiding principles related to minimizing radiation exposure, requesting appropriate imaging, and static images are enhanced and discussed. <https://open-press.usask.ca/undergradimaging>

Additionally, users can access other imaging from the Dicom viewer (ODIN) to further advance their experience with viewing diagnostic imaging pathologies. <https://openpress.usask.ca/undergradimaging/chapter/online-dicom-image-viewer-odin-an-introduction-and-user-manual/>

Textbooks are available online from the University of Saskatchewan Bookstore: <https://bookstore.usask.ca/students.php#MyTextbooks>

Another useful resource for different skin tones is [VisualDX](#). Please see more information at the U of S Library for [details](#).

COURSE ASSESSMENT OVERVIEW

Course Component	Module Components	Module Weight	Component Requirement	Weighting in Final Foundations I Mark
Gastrointestinal Module	Histology Assignment	5%	70% on module	25%
	Clinical Practice Guidelines Assignment	5%		
	Colonic Assignment	5%		
	Imaging Assignment	5%		
	Mid-Module Exam	30%		
	End-of Module Exam	50%		
Respiratory Module	Quiz I	10%	70% on module	25%
	Quiz II	10%		
	Histology Assignment	5%		
	Anatomy Quiz	5%		
	Mid-Module Exam	25%		
	End of Module Exam	45%		
Cardiovascular Module	ECG On-Line Module	Completion	70% on module	25%
	CV Quiz – In Class	15%		
	ECG Canvas Quiz	10%		
	Mid-Module Exam	30%		
	End of Module Exam	45%		
Dermatology & Plastics Module	Assignment	15%	70% on module	25%
	Mid-Module Exam	35%		
	End of Module Exam	50%		
Case-Based Learning Module *	10 Cases CBL End of Module Exam	Competency Based	All competencies met and 70% of competencies on CBL End of Module Exam	Pass/Fail
Course Total Mark				100%
Anatomy **	Lab Assessment**	Pass/Fail	60% on assessment	
Foundations II Final Exam ***			60% on exam	

In order to provide students more individualized feedback following most exams, students will receive individual feedback sheets that will detail the student's progress towards achievement of the course/module objectives.

- * Any competency points gained from the CBL End of Module Exam count towards the required number of competencies for the CBL module. Please see the Case-Based Learning Module section for further details.
- ** The Anatomy Lab Assessment tests anatomy content covered in the Gastrointestinal, Respiratory and Cardiovascular Modules in Foundations II. The exam will occur in the anatomy lab space where students will progress through several timed stations and be assessed on anatomy content using labelled cadaveric specimens.
- *** The Foundations II Final Exam is a cumulative exam and tests clinical application of content from Foundations I and II block modules as well as the CBL modules. This Final Exam is modeled on the national exam at the end of medical school, the MCCQE part 1 exam, and consists of a series of clinical vignettes that test a student's ability to diagnose, investigate, and treat various health conditions. Question styles may include: short answer, multiple choice, extended multiple choice, fill-in-the-blank, and matching. A minimum score of 60% on the Foundations II Final Exam is required for successful course completion.

EXAM PROCTORING

Exams will be completed in-person. The program will determine specific exceptional circumstances where examinations in this course might be delivered remotely. In that event, proctoring software or other remote invigilation methods will be employed concurrently during the examination to ensure academic integrity of the assessment.

MIDTERM AND FINAL EXAMINATION SCHEDULING

Midterm and final examinations must be written on the date scheduled.

Students should avoid making prior travel, employment, or other commitments for in-term exams and final exams. If a student is unable to write an exam through no fault of their own for medical or other valid reasons, they should refer to the College of Medicine [Deferred Exam policy and procedure](#).

RUBRICS

Where applicable, rubrics for all assignments will be posted in Canvas for the relevant session.

COURSE POLICY FOR SUCCESSFUL COMPLETION & REMEDIATION

A student's grade for each systems-based module will be determined at the end of each module and is based on the weighted cumulative average of all graded assessments within each individual module.

The requirements for successful completion of the Foundations II Course are listed below (see [Student Information Guide](#)). Students not promoted as a result of being unsuccessful in the course will receive a grade of "F" on their transcripts.

- A) Students will be considered to have successfully completed the Foundations II Course if they have achieved a minimum 70% average grade in each of the systems-based modules (Gastrointestinal, Respiratory, Cardiovascular and Dermatology/Plastics), the required amount of competencies for the Case-Based Learning Module, 70% of the required competencies in the Case-Based Learning End of Module Exam, a minimum of 60% grade on the Anatomy Lab Assessment, and a minimum 60% grade on the end of term Foundations II Final Examination.
- B) Students are required to complete all assignments, quizzes, tests and examinations in each of the Foundations modules, the Anatomy Lab Assessment as well as the Foundations II Final Examination. A mark of 0% will be given for any missed quiz, test or examination, unless otherwise arranged as per the College of Medicine Attendance Policy and Deferral Policy. Late assignments are adjudicated as per the Assignment Submission Policy.
- C) Students who do not achieve the required 70% average grade in any of the systems-based modules, the required competencies in the Case-Based Learning module, 70% of the required competencies in the Case-Based Learning End of Module Exam, pass the Anatomy Lab Assessment, or a 60% grade in the Foundations II Final Examination will be allocated grade deficit points, which are weighted based on the percentage grade below the pass standard for either the modules or Foundations II Final Exam (see Table 1 & Table 2 for grade deficit point allocation rubric).

Feedback regarding student's progress in the Case-Based Learning module will be provided earlier in the term and will be better able to target individual education needs. Students who appear to be having difficulty will be offered a meeting with Academic Support and the Module Director.

Students accumulating 2 or more grade deficit points at any point during the course will be deemed to be experiencing academic difficulty. The severity of academic difficulty will be based on the weighted grade deficit assessment. Students in academic difficulty will be required to meet with a course sub-committee of at least 2 people (made up of Course Chairs(s); Year Chair(s), Academic Support Specialist or designates), or others as needed, to discuss ways to improve academic performance. The goal of such a meeting is not meant to be punitive, but should be student-centered, and focused on the success and well-being of the student. With any further accrual of deficit points, the student may be required to again meet with the course sub-committee.

REMEDIATION AND SUPPLEMENTAL ASSESSMENT INFORMATION

- A) Students who have failed a module or the Foundations II Final Exam may be offered remediation. The determination of eligibility for any remediation will be based on the number of accumulated weighted grade deficit points (see Table 1 for grade deficit point allocation rubric), or the number of failed modules. Students who have **accrued a total of four (4) or more** grade deficit points or accrued deficit points in **three (3)** separate modules within Foundations II will be considered to have been unsuccessful in the Foundations II Course and will NOT be offered further remediation or supplemental assignments and/ or examinations as per usual course policy. Further decisions regarding academic outcomes will be adjudicated by the Year 1 (Term 2) Promotions Committee and the Student Academic Management Committee.
- B) The module director will determine the specific type of remediation needed for each individual student. Remediation may be in the form of additional assignments, additional cases, assigned readings, and/or meetings with the module director or designate. The remediation timeline will begin once the student has been notified of failure in a module or the Foundations II Final. A remediation plan will be arranged between the module director and student, in consultation with the Academic Support Specialist, which will be carried out from the beginning of the remediation timeline until the date of the supplemental assessment. The module director, in consultation with the Assessment Specialist, will determine the specific type of supplemental assessment.

- C) Supplemental examinations will **only** be scheduled after the final exam period in May. Students required to remediate modules will be informed of the specific supplemental examination dates. Students should anticipate that supplemental exams for the Gastrointestinal and Respiratory Modules will ideally be held within 7 days of the last final exam and that supplemental exams for the Cardiovascular and Dermatology/Plastics, the Case-Based Learning Module, and the Foundations II Final Exam will be held mid-June. Where students have supplemental exams in more than one module or course then adjustments may be made to the supplemental exam schedule by the Year Chair, in coordination with Course Chair/Module Director(s).

Supplemental assessments will be scheduled after the final exam period and will be scheduled by the UGME office. Supplemental assessments will **ONLY** be offered on scheduled dates unless there are exceptional circumstances (such as personal illness, bereavement, etc.). In cases of exceptional circumstances, students should follow the [Deferred Exam Procedure](#) to request adjustment of their schedule. Exceptions will not be made for personal travel, and students will be required to adjust personal travel arrangements.

- D) A maximum of **one (1)** supplemental examination per module will be allowed, up to the point of course failure. As well, students will only be allowed to write **one (1)** supplemental examination for the Foundations II Final Exam, up to the point of course failure. Students who have been unsuccessful in any supplemental examination will be deemed unsuccessful in the Foundations II course. Further decisions regarding academic outcomes will be adjudicated by the Year 1 (Term 2) Promotions Committee and the Student Academic Management Committee.
- E) If a student fails an assessment, supplemental assignments may be written as arranged between the student, module director and/ or course chair(s). Supplemental assignments must be completed by the date set by the Module Director with the latest possible due date being two weeks after the end of the module; however, alternative earlier due dates may be arranged between student and module director.
- F) If a student fails the Anatomy Lab assessment, which is a mandatory pass component, a supplemental assessment may be arranged between the student, lab director and/or course chair(s). Supplemental assessments will be completed in June (specific dates will be provided). Supplemental assessments for all students will be administered at the Saskatoon campus. If a student is unsuccessful on the original lab exam, they will not accrue any GDPs, however, if they are unsuccessful on the anatomy lab supplemental assessment, they will accrue 1 GDP. If a student fails the supplemental lab assessment, further decisions regarding academic outcomes will be adjudicated by the Year 1 (Term 2) Promotions Committee and the Student Academic Management Committee.
- G) If a failure of a supplemental examination occurs during or after the final examination period, this decision as to whether any additional remediation/supplemental assessment will be allowed will be adjudicated by the Promotions Committee and the Student Academic Management Committee.
- H) Success in any supplemental assessment will be accorded a maximum grade equivalent to the minimum requirement for that component of the course (70% for a Module, 60% for the Anatomy Lab Assessment, 60% for the Foundations II Final Exam and the minimum number of required competency points for Case-Based Learning).

Grade deficit points will not appear on the student's transcript, nor are they transferred to any other course in the UGME Program.

Students who are eligible for supplemental examination will be contacted by the Module Director and should arrange to meet with the Module Director and the Academic Support Specialist to discuss educational issues and develop a learning plan.

Table I: Grade Deficit Point Allocation

	Overall grade achieved in module before remediation or grade achieved in Supplemental Examinations.		
	< 70% and \geq 60%	< 60% and \geq 50%	<50%
Gastrointestinal Module	I	II	III
Respiratory Module	I	II	III
Cardiovascular Module	I	II	III
Dermatology & Plastics Module	I	II	III
Foundations II Final Exam	N/A	I	II

I: one grade deficit point; II: two grade deficit points; III: three grade deficit points; N/A: not applicable.

Table II: Grade Deficit Point Allocation for Case-Based Learning Module

	Number of Competencies not achieved before remediation.		
	One Competency OR Failure of the End of Module Exam	Two Competencies	Three or More Competencies OR Failure of Module Exam Plus One or more Competencies
Case-Based Learning Module	I	II	III

I: one grade deficit point; II: two grade deficit points; III: three grade deficit points; N/A: not applicable.

* Grade Deficit Point Allocation for the Anatomy Lab Assessment is outlined in F above.

ASSESSMENT REVIEW

Course or Module Directors will provide all students with a summary of post-examination learning points focusing on clarification of concepts where significant numbers of students appeared to have difficulty. Actual examination papers will not be made available to all students; however, in the event of specific module or examination failure students may work with the academic support team and the module/course leaders to review their examination performance and discuss concepts that students may be struggling with.

ATTENDANCE EXPECTATIONS

What are expectations for attendance in Foundations II?

Attendance at small group sessions is mandatory (See One45) unless absence is excused. (See [Attendance and Absence - Pre-clerkship](#))

In-class assessment sessions are mandatory.

If a student must be absent for a quiz or minor assessment, they should contact their course administrative support person in the UGME as soon as possible and complete the application for absence form. (See the contact list at the beginning of the syllabus or check your Canvas course.)

Attendance for all other sessions falls under the regulations of the Pre-Clerkship Attendance and Absence Policy.

How is attendance documented?

Attendance will be taken at all mandatory sessions.

What are the implications of being absent?

Students who do not attend mandatory components without appropriate approval or without the appropriate notification steps in the event an unplanned absence (see Pre-Clerkship Attendance and Absence Policy) will be asked to meet with the Course and/or Module Director to discuss professionalism, with associated documentation.

If a student must miss a mandatory session, students are expected to independently make up any material missed regardless of the reason for the absence. Sessions will not be rescheduled, and additional sessions will not be offered to make up missed material.

Foundations in Clinical Medicine II – Module Syllabus

This section of the course syllabus will describe the specific objectives, requirements and expectations, and assessment procedures for each module within the Foundations in Clinical Medicine II Course.

MODULE 1

GASTROINTESTINAL

MODULE DIRECTOR

Dr. Edward Ha

Email: eddy.ha@usask.ca

Office Hours: Please contact to arrange a meeting

MODULE DESCRIPTION

The Gastrointestinal module is designed to provide the undergraduate medical student an overview of the normal function and structure of the gastrointestinal system. The module also provides a learning experience to understand how common disease processes may affect the GI system to create gastrointestinal illness. The symptoms and the clinical approach to these symptoms will be provided along with discussion of specific common GI illnesses. This will be accomplished by a combination of traditional lectures on common GI complaints along with lectures on specific diseases. Small group sessions will be held to apply the knowledge learned in the formal lectures using case discussions. Practical anatomy labs will also be integrated into the course schedule to provide a more complete understanding of the system.

MODULE OBJECTIVES

By the completion of this module, students will be able to:

1. Describe the normal structure and function of the gastrointestinal tract and how the system can be affected by disease processes to create clinical illness.
2. Develop an approach to the differential diagnosis of common and serious GI presentations.
3. Describe common and serious GI conditions including their epidemiology and clinical features including history and physical findings.
4. Select and interpret testing for appropriate screening, surveillance and diagnosis of GI conditions.
5. Describe management of common GI conditions.

MODULE SCHEDULE

All information relating to this course is available in One45. Please check One45 **DAILY** to ensure that you have the current schedule information.

REQUIRED RESOURCES

First Principles of Gastroenterology and Hepatology in Adults and Children

(Note: this is an on-line textbook which is free to download at: www.giandhepatology.com)

Students will benefit from preparation prior to sessions. This is expected prior to the small group interactive discussions. Further individual session resources and pre-readings may also be posted within One45.

MODULE DELIVERY

Students will learn through a variety of methods, including:

Large group didactic lectures

Case-based learning sessions

Independent self-directed reading and exercises including assignments

Anatomy laboratory experience

STUDENT ASSESSMENT

Assessments	20%
Histology Assignment	5%
Clinical Practice Guidelines Assignment	5%
Colonic Diverticulosis Assignment	5%
Imaging Assignment	5%
Exams	80%
Mid-Module	30%
End of Module	50%

Assessment 1: Histology Assignment

Value: 5% of Final Grade

Due Date: January 24, 2024

Description: Exploration of gastrointestinal histology knowledge through short answers in take-home format.

Assessment 2: Clinical Practice Guideline Assignment

Value: 5% of Final Grade

Due Date: January 10, 2024

Description: Assignment to solidify learning around previously presented material and to introduce the application of guidelines and evidence-based medicine to clinical practice.

Assessment 3: Colonic Diverticulosis Assignment

Value: 5% of Final Grade

Due Date: January 17, 2024

Description: Assignment to solidify learning around colonic diverticulosis.

Assessment 4: Imaging Assignment

Value: 5% of Final Grade

Due Date: January 31, 2024

Description: Assignment to solidify learning around imaging related to GI conditions.

Mid-Module Exam

Value: 30% of Final Grade

Date: January 15, 2024

Description: Question types may include: multiple choice, multiple choice multiple answer, fill in the blank, true-false, short answer, and matching questions based on all content up to and including January 11, 2024.

End of Module Exam

Value: 50% of Final Grade

Date: February 5, 2024

Description: Based on ALL module content, weighted more heavily on content not covered on mid-module exam. Question types may include: multiple choice, multiple choice multiple answer, fill in the blank, true-false, short answer, and matching questions based on all content up to and including February 1, 2024.

Anatomy Lab Assessment

Value: Required pass component

Date: May 9, 2024

Description: Students will participate in a final Anatomy Lab Assessment that will include content from the GI, Resp, and CV modules. Students will be asked to identify various structures similarly to the material presented in the labs during the term. The exam will occur in the anatomy lab space where students will progress through several timed stations and be assessed on anatomy content using labelled cadaveric specimens.

(Please note: Anatomy concepts may also appear on exams.)

Please refer to overall course promotion/failure/remediation standards outlined earlier in this syllabus.

MODULE 2

RESPIRATORY

MODULE CO-DIRECTORS

Dr. Brittany Albrecht

Email Address: brittany.albrecht@usask.ca

Office Hours: please contact to arrange a meeting

TBD

Email Address:

Office Hours: please contact to arrange a meeting

MODULE DESCRIPTION

This module will include the study of respiratory related anatomy and physiology in addition to the pathophysiology, diagnosis, prognosis and treatment of respiratory related diseases. Students will develop a clinical approach for patients with common and urgent thoracic/respiratory system problems including upper and lower airway, pleural and parenchymal disease/disorders/trauma/malignancies. Major vertical themes will be emphasized including public health implications related to respiratory diseases. Practical anatomy labs will also be integrated into the course schedule to provide a more complete understanding of the system.

MODULE OBJECTIVES

By the completion of this module, students will be able to:

1. Distinguish between normal and abnormal structure and function for the respiratory system.
2. Construct a differential diagnosis in a patient presenting with airway/thoracic/respiratory abnormalities.
3. Order and interpret appropriate investigations.
4. Outline a management plan for patients with an airway/thoracic/respiratory disease/disorder.
5. Explain the pathogenesis and pathophysiology of common or urgent respiratory/thoracic diseases/disorders.

MODULE SCHEDULE

All information relating to this course is available in One45. Please check One45 **DAILY** to ensure that you have the current schedule information.

REQUIRED RESOURCES

(On reserve at the Leslie and Irene Dubé Health Sciences Library)

West JB (J Burnard), Luks A. West's Pulmonary Pathophysiology: The Essentials. New York: Woulters Kluwer, 2017.

Additional resource materials recommended to students include:

Online lectures by J.B. West: https://meded.ucsd.edu/ifp/jwest/resp_phys/

Kasper D, Fauci, A, Hauser S, Longo D, Jameson JL, Loscalzo J. Harrison's principles of internal medicine (19th ed.) New York: McGraw-Hill, 2015. Available online at library.usask.ca.

Chapter Nine of the Undergraduate Imaging addresses CXR <https://undergradimaging.pressbooks.com/front-matter/introduction/>

Acid-Base Workbook (See materials posted under Session One of this module in One45).

* This workbook includes in-depth renal causes of acid-base disorders which may be beneficial for student practice, but this workbook is not examined in the respiratory module.

Further individual session resources and pre-readings may also be posted within One45.

MODULE DELIVERY

Students will learn through a variety of methods, including:

Large group didactic session with case-based questions within the session

Interactive small group case-based learning sessions,

Independent self-directed reading and exercises,

Histology laboratory experience with virtual microscopy slides

Anatomy laboratory experience

Note: Student pre-reading is required in this module. Students are strongly encouraged to come to class prepared to actively participate in the educational sessions.

STUDENT ASSESSMENT

Assessments	30%
Quiz I	10%
Quiz II	10%
Histology Assignment	5%
Anatomy Quiz	5%
Exams	70%
Mid-Module	25%
End of Module	45%

Assessment 1: Histology Assignment

Value: 5% of Final Grade

Posting Date: February 6, 2024

Due Date: February 12, 2024

Description: Take home assignment download and submitted through Canvas.

Assessment 2: Quiz I

Quiz Value: 10% of Final Grade

Posting Date: February 14, 2024

Due Date: February 26, 2024

Description: On-line quiz covering physiology, ABGs, CXRs and PFTs.

Assessment 3: Quiz II

Quiz Value: 10% of Final Grade

Posting Date: March 6, 2024

Due Date: March 12, 2024

Description: On-line quiz covering material on adult Respiriology topics.

Assessment 4: Anatomy Quiz

Value: 5% of Final Grade

Posting Date: February 13, 2024

Due Date: February 16, 2024

Description: Online quiz covering all anatomy material.

Mid-Module Exam

Value: 25% of Final Grade

Date: February 28, 2024

Description: Question types may include: multiple choice, multiple choice multiple answer, fill in the blank, true-false, short answer, matching, and extended written questions based on all content up to and including February 15, 2024.

End of Module Exam

Value: 45% of Final Grade

Date: March 18, 2024

Description: Cumulative exam. Question types may include: multiple choice, multiple choice multiple answer, fill in the blank, true-false, short answer, matching, and extended written questions.

Anatomy Lab Assessment

Value: Required Pass Component

Date: May 9, 2024

Description: Students will participate in a final Anatomy Lab Assessment that will include content from the Gastrointestinal, Respiratory, and Cardiovascular modules. Students will be asked to identify various structures similarly to the material presented in the labs during the term. The exam will occur in the anatomy lab space where students will progress through several timed stations and be assessed on anatomy content using labelled cadaveric specimens.

Please refer to overall course promotion/failure/remediation standards outlined earlier in this syllabus.

MODULE 3

CARDIOVASCULAR

MODULE CO-DIRECTORS

Dr. Brendon Macknak

Email Address: brm136@mail.usask.ca

Office Hours: please contact to arrange meetings

Dr. Michael Cenkowski

Email Address: mjc381@mail.usask.ca

Office Hours: please contact to arrange meetings

MODULE DESCRIPTION

This module will include the study of cardiovascular related anatomy and physiology in addition to the pathophysiology, diagnosis, prognosis and treatments of cardiovascular related diseases. Students will develop a clinical approach for patients with common and urgent/emergent cardiac and vascular related problems including peripheral vascular, ischemic, dysrhythmic, valvular, myocardial, infectious/inflammatory and pediatric congenital disease/disorders. Major vertical themes will be emphasized including preventative medicine implications related to cardiovascular diseases. Practical anatomy labs will also be integrated into the course schedule to provide a more complete understanding of the system.

MODULE OBJECTIVES

By the completion of this module, students will be able to:

1. Distinguish between normal and abnormal structure and function for the cardiovascular system.
2. Construct a differential diagnosis for a patient presenting with cardiovascular related symptomatology or abnormalities.
3. Order appropriate medical investigations and be able to interpret them.
4. Outline a management plan for patients with cardiovascular related disease/disorders.
5. Explain the pathogenesis and pathophysiology of common or urgent/emergent cardiac and/or vascular related diseases/disorders.
6. Describe evidence-based approaches to primary and secondary prevention of cardiovascular disease.

MODULE SCHEDULE

All information relating to this course is available in One45. Please check One45 **DAILY** to ensure that you have the current schedule information.

RECOMMENDED RESOURCES

(* denotes availability at the Leslie and Irene Dubé Health Sciences Library)

Pathophysiology of Heart Disease: An introduction to cardiovascular medicine. (2021) 7th ed, Lilly L. *

A case workbook of clinical cases focusing on coronary artery disease, valvular heart disease, and heart failure for use in small group sessions will be provided to each student via One45.

ECG Module at teachingmedicine.com – students will be contacted early in the Foundations course to be enrolled in the on-line course to be able to access the ECG module at www.teachingmedicine.com

Sources for optional additional ECG Practice

The Only EKG Book You'll Ever Need. (2019), Thaler, M. *

<https://ecg.bidmc.harvard.edu/maven/mavenmain.asp>

<https://litfl.com/ecg-library/>

Further course/individual session resources and pre-readings may also be posted within One45.

MODULE DELIVERY

Students will learn through a variety of methods, including:

- Large group didactic, interactive and case-based problem-solving sessions

- Interactive small group learning sessions

- Independent self-directed reading and exercises

- Anatomy laboratory experience

Note: Student pre-reading is required in this module. Students are strongly encouraged to come to class prepared to actively participate in the educational sessions. Pre-reading material will predominantly be assigned from the Pathophysiology of Heart Disease textbook. A reference for sections associated with each lecture will be provided.

STUDENT ASSESSMENT

Assessments	25%
ECG On-Line Module Assignment	Completion
CV Quiz – In Class	15%
ECG Quiz	10%
Exams	75%
Mid-Module	30%
End of Module	45%

Assessment 1: ECG On-Line Module Participation

Value: Completion – Students must complete the modules.

Due Date: Module completion by April 10, 2024 at 11:59 PM

Description: On-line module participation to build understanding of ECGs and improve comfort with interpreting ECGs. Available at: teachingmedicine.com.

Quiz 1: CV In-Class Quiz
Value: 15% of Final Grade
Date: April 8, 2024
Description: In-class quiz with multiple choice questions covering common/important clinical topics in heart failure, arrhythmias, and coronary disease. These questions will be representative of the types of questions that will appear on the end of module exam.

Quiz 2: Canvas Take-Home Quiz
Value: 10% of Final Grade
Date: April 8, 2024 at **1:00 pm** – Quiz will be available to access on Canvas from April 4 at 8:00 am until due date.
Description: Canvas take-home quiz to strengthen interpretation skills for common and important ECGs applied to clinical scenarios.

*Mid-Module Exam **

Value: 30% of Final Grade
Due Date: April 1, 2024
Description: Question types may include: multiple choice, multiple choice multiple answer, fill in the blank, true-false, short answer, matching, and extended written questions based on all content up to and including the small group CAD cases on March 28, 2024.

*End of Module Exam **

Value: 45% of Final Grade
Date: April 15, 2024
Description: Comprehensive questions on full course content, weighted slightly more heavily to those topics not on the midterm, including dysrhythmia, heart failure, valvular disease and pediatric heart disease.
Question type may include: multiple choice, multiple choice multiple answer, fill in the blank, true-false, short answer, matching, and extended written questions based on all content up to and including Interventions in Cardiology lecture on April 10, 2024.

*Anatomy Lab Assessment **

Value: Required pass component

Date: May 9, 2024

Description: Students will participate in a final Anatomy Lab Assessment that will include content from the GI, Resp, and CV modules. Students will be asked to identify various structures similarly to the material presented in the labs during the term. The exam will occur in the anatomy lab space where students will progress through several timed stations and be assessed on anatomy content using labelled cadaveric specimens.

Please refer to overall course promotion/failure/remediation standards outlined earlier in this syllabus.

* In-class assessments – these sessions will be mandatory as per Attendance Policy.

MODULE 4

DERMATOLOGY AND PLASTICS

MODULE CO-DIRECTORS

Dr. Kirsten Walker

Email Address: walkerka@dal.ca

Office Hours: please contact by email

Dr. Jodi Parent

Email Address: parent.jodi@gmail.com

Office Hours: please contact by email

Dr. John Staples [Plastics]

Email Address: john.staples@usask.ca

Office Hours: please contact by email

MODULE DESCRIPTION

Students will learn to care for patients with common and urgent dermatological conditions by applying their knowledge and clinical reasoning skills to generate reasonable differential diagnoses and management plans, select and interpret appropriate investigations, and explain the pathogenesis and pathophysiology of the subject conditions. Major cross-cutting themes such as mental health, aboriginal health, and interprofessional education will be discussed. Students will be prepared to enter their clerkship where they will participate in the care of patients with dermatological conditions and expand and deepen their knowledge and skills in this area.

MODULE OBJECTIVES

By the completion of this module, students will be able to:

1. Distinguish between normal and abnormal structure and function for the dermatological system.
2. Identify the underlying pathophysiology of common and urgent dermatological disorders.
3. Describe an approach to the care of patients with common and urgent dermatological conditions.
4. Formulate possible causes, investigations and patient centered medical/surgical management for common and urgent presentations of skin conditions.
5. Explain the population health aspects of key dermatological conditions including prevention and identify opportunities and propose avenues for advocacy and interprofessional collaboration.
6. Apply knowledge of risk factors of special populations, such as First Nations, children and the elderly, to individual patient situations.
7. Explain the potential psychosocial and mental health impacts of select dermatological conditions.
8. Apply an evidence-based approach to identify benefits, risks, and efficacy for patients using holistic therapies (integrative medicine) for skin conditions.

MODULE SCHEDULE

All information relating to this course is available in One45. Please check One45 **DAILY** to ensure that you have the current schedule information.

RECOMMENDED RESOURCES

Fitzpatrick's Color Atlas & Synopsis of Clinical Dermatology, 8th Ed. Klaus Wolff, Richard Allen Johnson, 2017

Canvas access to virtual microscopy slides

Visualdx for Dermatology photos of Caucasian and non-Caucasian skin tones. See the library website for details:

<https://libguides.usask.ca/c.php?g=696313&p=4938668>

MODULE DELIVERY

Students will learn through a variety of methods, including lectures and quizzes.

STUDENT ASSESSMENT

Assignment **15%**

Take-Home Assignment 15%

Exams **85%**

Mid-Module Exam 35%

End of Module Exam 50%

Assessment: Take Home Assignment

Value: 15% of Final Grade

Due Date: April 30, 2024

Description: Comprehensive take home assignment due at the end of the course.

Mid-Module Exam

Value: 35% of Final Grade

Date: April 25, 2024

Description: ExamSoft in class.

Question types may include: multiple choice, multiple choice multiple answer, fill in the blank, true-false, short answer, matching, and extended written questions.

End of Module Exam

Value: 50% of Final Grade

Date: May 3, 2024

Description: ExamSoft in-class. Cumulative Exam.

Question types may include: multiple choice, multiple choice multiple answer, fill in the blank, true-false, short answer, matching, and extended written questions.

Please refer to overall course promotion/failure/remediation standards outlined earlier in this syllabus.

MODULE 5

CASE-BASED LEARNING

MODULE CONTACTS

Module Director

Dr. Matthew Wong – Email: maw932@mail.usask.ca

Administrative Staff

Sonja MacDonald [Pre-Clerkship Program Coordinator] – Email: sonja.macdonald@usask.ca Phone: (306) 966-5354

Cassie Eskra [Pre-Clerkship Coordinator – Regina] – Email: cassandra.eskra@saskhealthauthority.ca Phone: (306) 766-3773

Janine Rover De Mello [Year One Admin Assistant] – Email: janine.rover@usask.ca Phone: (306) 966-7202

MODULE DESCRIPTION

This module introduces students to the concept of clinical reasoning and its components and introduces an approach to differential diagnosis. Students will be introduced to sources of bias/error and their effect on clinical decisions and patient care. Basic clinical reasoning skills will be reinforced through the use of cases. In these small group learning experiences, the student will work through patient cases in order to have practice applying knowledge from the various courses and to develop clinical reasoning skills. Cases will also reinforce and expand upon students' existing information literacy knowledge and skills to develop skills specific for the patient/medical context.

This module will consist of a series of patient-based cases. Each case will be designed to run over three sessions in a week.

The first session will start with an orientation. Students will then have time to work through the case materials. These cases are designed to help students develop a general approach to common clinical problems and to develop their clinical reasoning skills.

The second session will be devoted to medical information literacy related to the case materials from the first session. Students will need to formulate a question, find relevant information to answer that question (e.g., patient web sites/handouts, studies, guidelines etc.), critically appraise the information found and apply it to the patient.

The third session will be a facilitator guided small group session. During this session the case will be reviewed and students' clinical reasoning, related to the case content, will be explored and further developed.

MODULE OBJECTIVES/COMPETENCIES/MILESTONES

Competencies

1. Utilize Clinical Reasoning in:

i) Analyzing the patient interview.

Determine appropriate questions to understand the disease process, illness experience and relevant patient context.

Interpret the answers.

Milestones:

Choose significant positives and negatives from a patient history.

Ask questions relevant to prioritizing the differential diagnosis and provide the rationale for choosing these questions.

ii) Analyze components of the physical examination.

Determine appropriate maneuvers.

Interpret the findings.

Milestones:

Choose physical exam strategies to stratify differential diagnosis.

Give a sound rationale for the choices.

Explain the significance of abnormal findings.

iii) Synthesizing information to develop a rational differential diagnosis and a working diagnosis.

Milestones:

Develop differential diagnoses using either mnemonics or systems.

Stratify differential diagnoses by likelihood, seriousness, outcome, acuity/chronicity.

Utilize data from history and physical exam to support the differential diagnosis.

iv) Analyze diagnostic errors.

Identify common errors in information gathering and synthesis.

Develop strategies to decrease errors in diagnosis.

Milestones:

Identify when and where errors are made in the clinical reasoning process.

Utilize strategies to identify and decrease the chances of diagnostic error.

Identify how errors affect patient care.

v) Effectively manage the patient's problems.

Milestones:

Develop a problem list.

Prioritize management steps.

Develop an appropriate therapeutic plan, including pharmacological and non-pharmacological interventions.

Identify urgency, acuity, chronicity and when you need help.

Begin to identify concurrent or other problems that would benefit from management.

vi) Order appropriate investigations.

Milestones:

Choose investigations that will help stratify differential diagnosis.

Provide a sound rationale for the choice of investigations.

Utilize concepts of false positives and false negative results.

Begin to interpret the results of investigations, especially as they apply to the patient's presentation.

2. Utilize the Patient-Centered Clinical Method (PCCM) to integrate illness experience and patient context into active shared decision-making around management.

Milestones:

Identify the elements of FIFE in the interview.

Identify relevant elements of the patient context (including social determinants of health) that might affect the patient's management.

3. Utilize opportunities for health promotion and illness prevention.

Milestones:

Identify opportunities for health promotion and illness prevention.

Begin to provide the evidence-base for interventions.

Begin to incorporate patient preference and expectations into health promotion and illness prevention interventions.

4. Determine an evidence-based course of action in response to a patient problem.

Ask clear, answerable questions.

Acquire strong evidence.

Critically appraise the validity and applicability of the evidence.

Apply the evidence to guide management of the patient problem.

Milestones:

Explain evidence-based research to patients.

5. Demonstrate self-directed learning (SDL).

Self-identification of learning needs.

Independent identification, analysis, and synthesis of relevant information.

Appraisal of the credibility of information sources.

Feedback on these skills.

Milestones:

Of several problems presented, choose one, work through the steps of Self-Directed Learning.

6. Exhibit professionalism.

Milestones:

Display professional attitudes towards, peers, tutors, all teaching and administrative staff.

Finish all required casework and Evidence-Based Medicine assignments by the posted date and time.

MODULE RESOURCES

The following are recommended resources for student use:

1. Clinical Reasoning Handbook

The Clinical Reasoning Handbook by Dr. Andrea Symon and Dr. Deirdre Andres overviews the clinical reasoning process and its components for early medical learners. It serves as a good background resource for the information and principles you will need to use during the CBL module. You will be provided access to this resource at the beginning of the term.

2. Symptom to Diagnosis Podcast (Case-Based Diagnostic Reasoning) [McGraw Hill's Access Medicine]

This podcast presents case-based discussion of signs, symptoms, and diagnostic tests to improved clinical reasoning and evidence-based practice. It is available for free on several podcast streaming services.

3. Teaching Medicine Website

<https://www.teachingmedicine.com/>

This website contains several computer-based patient cases which can be used for your learning purposes. Some of these cases will be used during the CBL sessions. The Teaching Medicine website will be used for computer-based case learning. Your accounts will have been activated in Term I. Please do only the cases assigned during the module, as this website will also be used throughout Year Two.

MODULE ASSESSMENT OVERVIEW

The Case Based Learning module will be assessed at multiple points throughout the semester. It may be assessed during the Case-Based Learning sessions and during the End of Module Final Exam.

The student will need to acquire a pre-set number of assessment points to demonstrate competency (see chart below). Competency points can be accrued during:

- a) The case-based learning sessions.
- b) The CBL end of module exam that will be written on April 29, 2024. The end of module exam may include content from ALL previous Foundations modules.

Competency points gained from any of the above sources count towards a student's required end-of-term total.

During the CBL end of module exam, multiple competencies will be assessed with a requirement that 70% of competencies on this exam will need to be met. Failure to achieve 70% of the competencies on this exam will result in failure of the module and the requirement for remediation.

OVERALL MODULE COMPETENCY COMPONENTS

During this module students will be introduced to the Competency-Based Medical Education (CBME) model of assessment.

In order for a student to progress from the early stages of learning to the level of competence necessary to function in a clinical setting, they should demonstrate that they are competent as indicated in the table below. Maintenance of competency will be assessed on the module final exam, where 70% of competencies must be met to achieve success in the module. Feedback will be provided earlier in the term to target individual educational needs. Students in academic difficulty for a competency will be offered a meeting with Academic Support and/or the module director or their designate.

Competencies	Where competency may be assessed	Number of successful competency assessments to display competence
1. Utilize Clinical Reasoning (CR) to: Analyze the patient interview: Determine appropriate questions required to understand the disease process, illness experience, and relevant patient context. Interpret the answers.	Cases/Exams	6
Analyze components of the physical examination: Determine appropriate maneuvers. Interpret the findings.	Cases/Exams	6
Synthesize information to develop a rational differential diagnosis and a working diagnosis.	Cases/Exams	6
Analyze diagnostic errors: Identify common errors in information gathering synthesis. Develop strategies to decrease errors in diagnosis.	Cases/Exams	2
Effectively manage the patient's problems:	Cases/Exams	2
Order appropriate investigations:	Cases/Exams	4
2. Utilize the Patient-Centered Clinical Method (PCCM) to integrate illness experience and patient context into active shared decision making around management.	Cases/Exams	6
3. Utilize opportunities for health promotion and illness prevention.	Cases/Exams	4

Competencies	Where competency may be assessed	Number of successful competency assessments to display competence
<p>4. Determine an evidence-based course of action in response to a patient problem.</p> <ul style="list-style-type: none"> Ask clear, answerable questions Acquire strong evidence Critically appraise the validity and applicability of the evidence Apply the evidence to guide management of the patient problem. 	Cases	10
<p>5. Demonstrate self-directed learning.</p> <ul style="list-style-type: none"> Self-identification of learning needs. Independent identification, analysis and synthesis of relevant information. Appraisal of the credibility of information sources. Feedback on these skills. 	Cases Formatively Assessed	--
<p>6. Exhibit professionalism.</p> <p>*Failure to exhibit professional behavior will be adjudicated on an individual basis.</p>	Individually Assessed	--

IMPORTANT AND RELEVANT STUDENT INFORMATION

The following information is extremely important for your success in medical school. Please refer to the [UGME Policies](#) page and the [Student Information Guide](#) for the following policies:

UGME CONTACT INFORMATION

EMAIL COMMUNICATIONS

ETHICS AND PROFESSIONALISM

PROGRAM EVALUATION

GUIDELINES FOR PROVIDING FEEDBACK

EMERGENCY PROCEDURES

MD PROGRAM ATTENDANCE POLICY

ASSESSMENT POLICY

PROMOTION STANDARDS

CONFLICT OF INTEREST

NON-INVOLVEMENT OF HEALTH CARE PROVIDERS IN STUDENT ASSESSMENT

APPEALS PROCEDURES

STUDENT DISCRIMINATION, HARRASSMENT, AND MISTREATMENT PROCEDURE

ACCOMMODATION OF STUDENTS WITH DISABILITIES

TECHNICAL STANDARDS – ESSENTIAL SKILLS AND ABILITIES REQUIRED FOR THE STUDY OF MEDICINE

<https://medicine.usask.ca/policies/com-technical-standards.php#relatedForms>

OFFICE OF STUDENT AFFAIRS

Where a specific College of Medicine policy or procedure does not exist, the College refers to the U of S Academic Courses Policy at <http://policies.usask.ca/policies/academic-affairs/academic-courses.php>

UNDERGRADUATE MEDICAL EDUCATION ASSIGNMENT SUBMISSION POLICY

Any assignment submitted after 23:59 SK time on the specified date is deemed late (unless otherwise specified).

All due dates or timelines for assignment submission are published in the student course syllabus¹.

A late assignment may still be submitted up to three consecutive calendar days (72 hours) from the original deadline for that assessment. The assignment must be submitted to the appropriate year Administrative Coordinator in Saskatoon, or the Pre-Clerkship Coordinator in Regina for years 1-2. Years 3-4 must submit to the Rotation Coordinator. The student, if submitting a late assignment that is deemed to be at or above the pass mark for that assignment will receive the pass mark for the assignment. If it is assessed as below the pass mark, the student will receive the actual grade assigned for the assignment.

Any late assignments not submitted by 23:59 on the third day will receive a mark of 0%. After this period, all mandatory assignments must still be submitted, or the student will be deemed to be missing a course component, which will result in an incomplete course. Subsequent academic consequences will be determined at the promotions committee meetings.

In addition to the consequences specified herein, students submitting mandatory assignments late should anticipate a meeting to discuss professionalism, which may result in associated documentation.

All requests for a deferral of an assignment due date must be received a minimum of 72 hours prior to the deadline. All such requests must be sent to the Course Director or Rotation Coordinator and copied to the relevant Administrative Coordinator. The course director, in consultation with the year chair and appropriate course/module/rotation director will make a final decision and notify the student of the outcome. Exceptional, unforeseen circumstances will be considered on an individual basis as above.

CITATION FORMAT

Unless otherwise specified by the course or module director, the expected citation format is that of the International Committee of Medical Journal Editors (ICMJE). Examples of this citation format are available at www.nlm.nih.gov/bsd/uniform_requirements.html

PROFESSIONALISM

Students can be deemed unsuccessful on any course assessment for not achieving course expectations of professionalism. This would include, but is not limited to, any unapproved absences from a mandatory session, and/or submission of late assignments. Students failing to meet professional expectations in the course should anticipate a meeting with the Module/Course Directors and/or Year Chair to discuss the concern, which may result in associated documentation. For further information on professionalism, please refer to the UGME Procedures for Concerns with Medical Student Professional Behavior.

<http://medicine.usask.ca/policies/professionalism-standard-operating-procedure.php>

¹ Canvas routinely updates their systems on certain Wednesday evenings. In the event that Canvas is down for scheduled maintenance or due to technical difficulties, assignments are to be submitted by 0900 the following morning.

RECORDING OF THE LECTURES

Most lectures will be recorded and posted to the course Canvas site under Course Materials. However, each lecturer reserves the right to choose whether their lectures will be recorded. Lecture recordings are not intended to be a replacement for attending the session but rather to enhance understanding of the concepts.

Please remember that course recordings belong to your instructor, the University, and/or others (like a guest lecturer) depending on the circumstance of each session and are protected by copyright. Do not download, copy, or share recordings without the explicit permission of the instructor.

For questions about recording and use of sessions in which you have participated, including any concerns related to your privacy, please contact the UGME administrative coordinator for this course. More information on class recordings can be found in the Academic Courses Policy <https://policies.usask.ca/policies/academic-affairs/academic-courses.php#5ClassRecordings>.

REQUIRED VIDEO USE

At times in this course, you may be required to have your video on during video conferencing sessions, to support observation of skills, to support group learning activities, or for exam invigilation. It will be necessary for you to use of a webcam built into or connected to your computer.

For questions about use of video in your sessions, including those related to your privacy, contact your instructor.

COPYRIGHT

Course material created by your professors and instructors is their intellectual property and **cannot be shared without written permission**. This includes exams, PowerPoint/PDF lecture slides and other course notes. If materials are designated as open education resources (with a creative commons license) you can share and/or use them in alignment with the [CC license](#). Other copyright-protected materials created by textbook publishers and authors may be provided to you based on license terms and educational exceptions in the [Canadian Copyright Act](#).

You are responsible for ensuring that any copying or distribution of materials that you engage in is permitted by the University's "Use of Materials Protected By Copyright" Policy. For example, posting others' copyright-protected materials on the open internet is not permitted by this policy unless you have copyright permission or a license to do so. For more copyright information, please visit <https://library.usask.ca/copyright/students/index.php> or contact the University Copyright Coordinator at copyright.coordinator@usask.ca or (306) 966-8817.

INTEGRITY

The University of Saskatchewan is committed to the highest standards of academic integrity (<https://academic-integrity.usask.ca/>).

Students are urged to read the [Regulations on Academic Misconduct](#) and to avoid any behaviours that could potentially result in suspicions of cheating, plagiarism, misrepresentation of facts and/or participation in an offence.

For help developing the skills for meeting academic integrity expectations, see: <https://academic-integrity.usask.ca/students.php>

Students are encouraged to ask their instructors for clarification on academic integrity requirements.

Students are encouraged to complete the Academic Integrity Tutorial to understand the fundamental values of academic integrity and how to be a responsible scholar and member of the USask community (tutorial link: <https://libguides.usask.ca/AcademicIntegrityTutorial>).

Assignments in this course are designed to support your learning and professional development, and the work you submit should demonstrate your own knowledge and understanding of the subject matter. Artificial intelligence text generator tools (also known as large language models, such as ChatGPT or similar), are not permitted to be used in any assessments for this course, unless permission is explicitly given in the assessment instructions that these tools may be used. Any unauthorized use of such tools is considered academic misconduct.

When the assignment instructions allow use of Artificial Intelligence text generator tools, students are required to disclose the use of the tools and explain how the tool was used in the production of their work. Disclosure on the use of AI should be similar to how other tools, software, or techniques are explained in academic research papers. AI cannot be cited as a resource or author. Please be aware that use of portions of another's work in an AI-generated text may be a breach of copyright – this is an area of evolving legal understanding. Students are accountable for the accuracy and integrity of their submissions including references produced with AI. The submission of AI assisted work without disclosure is a breach of academic integrity and professionalism.

Students wanting to connect their assessment in this course to assessments they have completed in another course must get explicit permission of the instructor in order to avoid potential academic misconduct of self-plagiarism.

ACCESS AND EQUITY SERVICES (AES)

Access and Equity Services (AES) is available to provide support to students who require accommodations due to disability, family status, and religious observances.

Students who have disabilities (learning, medical, physical, or mental health) are strongly encouraged to register with Access and Equity Services (AES) if they have not already done so. Students who suspect they may have disabilities should contact AES for advice and referrals at any time. Those students who are registered with AES with mental health disabilities and who anticipate that they may have responses to certain course materials or topics, should discuss course content with their instructors prior to course add / drop dates.

Students who require accommodations for pregnancy or substantial parental/family duties should contact AES to discuss their situations and potentially register with that office.

Students who require accommodations due to religious practices should contact the Office of Student Affairs a minimum of four weeks in advance of the scheduled assessment.

Any student registered with AES may request alternative arrangements for mid-term and final examinations by submitting a request to AES by the stated deadlines. Instructors shall provide the examinations for students who are being accommodated by the deadlines established by AES.

For more information or advice, visit <https://students.usask.ca/health/centres/access-equity-services.php>, or contact AES at (306) 966-7273 (Voice/TTY 1-306-966-7276) or email aes@usask.ca.

Students must arrange such accommodations through the Office of Student Affairs (OSA) by the stated deadlines. Instructors shall provide the examinations for students who are being accommodated by the deadlines established by AES.

STUDENT SUPPORTS

College of Medicine, Academic Support Team

Faculty Consultant: Dr. Ayla Mueen – ayla.mueen@usask.ca

Academic Support Specialist: Dr. Joshua Lloyd – joshua.lloyd@usask.ca

Academic Support Administration Office – med.academicssupport@usask.ca

College of Medicine, Office of Student Affairs

Student Affairs offers confidential support and advocacy at arm's length from the academic offices. For more information, please contact:

Student Affairs Coordinator (Saskatoon), Edith Conacher at edith.conacher@usask.ca or (306) 966-4751

COM and the School of Rehabilitation Science Coordinator (Saskatoon), Bev Digout at bev.digout@usask.ca or (306) 966-8224

Student Affairs Administrator Saskatoon, Chris Florizone – cdf300@usask.ca or (306) 966-7331

Student Affairs Coordinator Regina, Sue Schmidt - sue.schmidt@saskhealthauthority.ca or (306) 766-0620

Student Affairs Site Director Regina, Dr. Nicole Fahlman - nicole.fahlman@usask.ca or (306) 209-0142

Student Affairs Site Director Regina, Dr. Tiann O'Carroll - tiann.ocaroll@usask.ca or (306) 529-0777

Student Affairs Associate Regina, Michelle Grove – michelle.grove@saskhealthauthority.ca or (306) 766-0553

Student Affairs Site Director Prince Albert, Dr. Romy Moodliar – romym@hotmail.com or (306) 953-1688

Director, Student Services, Dr. Ginger Ruddy – ginger.ruddy@usask.ca or (306) 966-7275

Academic Help for Students

Visit the [University Library](#) and [Learning Hub](#) to find supports for undergraduate and graduate students with first-year experience, study skills, learning strategies, research, writing, math and statistics. Students can attend [workshops](#), access [online resources and research guides](#), book [1-1 appointments](#) or hire a subject tutor through the [USask Tutoring Network](#).

Connect with library staff through the [AskUs](#) chat service or visit various [library locations](#) at the Saskatoon campus.

SHA Library: <https://saskhealthauthority.libguides.com/home>

Teaching, Learning and Student Experience

Teaching, Learning and Student Experience (TLSE) provides developmental and support services and programs to students and the university community. For more information, see the students' web site <http://students.usask.ca>.

Financial Support

Any student who faces challenges securing their food or housing and believes this may affect their performance in the course is urged to contact Student Central (<https://students.usask.ca/student-central.php>).

Gordon Oakes Red Bear Student Centre

The Gordon Oakes Red Bear Student Centre is dedicated to supporting Indigenous student academic and personal success. The Centre offers personal, social, cultural and some academic supports to Métis, First Nations, and Inuit students. The Centre is an intercultural gathering space that brings Indigenous and non-Indigenous students together to learn from, with and about one another in a respectful, inclusive, and safe environment. Visit <https://students.usask.ca/indigenous/index.php> or students are encouraged to visit the ASC's website <https://students.usask.ca/indigenous/gorbsc.php>

International Student and Study Abroad Centre

The International Student and Study Abroad Centre (ISSAC) supports student success and facilitates international education experiences at USask and abroad. ISSAC is here to assist all international undergraduate, graduate, exchange, and English as a Second Language students in their transition to the University of Saskatchewan and to life in Canada. ISSAC offers advising and support on matters that affect international students and their families and on matters related to studying abroad as University of Saskatchewan students. Visit <https://students.usask.ca/international/issac.php> for more information.