



Undergraduate Medical Education (UME) Medical Doctor Program (MD)

Course Outline

Course Number:	MDCN 444
Course Name:	Fundamentals 12
Dates:	November 10 – December 12, 2025
Schedules and classroom locations:	The timetable is located here https://cumming.ucalgary.ca/mdprogram/current-students/pre-clerkship-year-1-2/timetable All information, including day to day detailed schedule with dates, times and locations of learning events, is located on the curriculum management system currently named Osler.

Block Director:	Dr. Adam Bass
Email:	Pcteam.md@ucalgary.ca

Course Description
University of Calgary calendar https://www.ucalgary.ca/pubs/calendar/current/medicine.html#48592

Supplementary Fees/Costs
https://cumming.ucalgary.ca/mdprogram/current-students/financial-aid/medical-school-costs

Learning Resources
All learning resources will be found on Fresh Sheet and Osler.

One45 Overview
<p>The MD Program utilizes the One45 Software Program for assessment purposes for all evaluations in Year 1, 2 and 3. Students are able to view completed evaluations online through this software program. Evaluations and assessment data are collected at regular intervals.</p> <p>It is the student's responsibility to distribute their evaluations to preceptors and to follow up with preceptors if evaluations have not been completed by the deadline given out by the Undergraduate Medical Education (UME) Office.</p> <p>In addition to assessments and evaluations, One45 is also utilized to evaluate your preceptors and to gather information from students on their learning experiences.</p>

All students are provided training at the beginning of their program in Year 1. This would include a personal log in access code and password.

One45 is used throughout your training in the MD Program (Undergrad) as well as Residency (PGME).
Website Link to Access One45: <https://calgary.one45.com/>

Internet and Electronic Device Information and Responsible Use

Students are welcome to use laptops and other electronic note-taking devices in this course unless otherwise stated. Please be considerate of others when using these devices.

The use of laptop and mobile devices is acceptable when used in a manner appropriate to the course and classroom activities. Please refrain from accessing websites and resources that may be distracting to you or for other learners during class time. Students are responsible for being aware of the University's Internet and email use policy
<https://www.ucalgary.ca/legal-services/university-policies-procedures/acceptable-use-electronic-resources-and-information-policy>

Evaluation and Course Requirements

Assessment of competence:

Competence is a convoluted construct that requires sufficient knowledge, skills, and attitudes to consistently perform a variety of roles/activities at an appropriate level in diverse learning and clinical contexts. Given the complexity of this construct, there is no single assessment tool that can be used to infer competence. Instead, we need a variety of tools to assess different aspects of competence that, depending upon the tool, may best be described using words, numbers, or ratings scales.

Also, in order to provide a consistent measure, these assessments should be performed repeatedly over a sufficiently long period of time. Since there is no easy way to combine repeated measure of knowledge, skills, and attitudes (expressed as words, numbers, or ratings on a scale) into a single measure, decisions on whether students are ready to progress to their next stage of training will be made by a Competency Committee. This committee will consider quantitative and qualitative data from all summative assessments over the training timeline, including how performance changed over time, whether mentoring was completed, and performance on any retake assessments.

Based upon consideration of all these data, the Competency Committee will make consensus recommendations to the Associate Dean regarding each student's readiness to progress to their next stage of training with or without the need to complete remediation of any part of the prior curriculum.

Evaluation and Course Requirements

The course grade will be determined by the Competency Committee, based on the following components:

- Cards Deck 1 (Week 2.12.2) (5%)
- Cards Deck 2 (Week 2.12.4) (5%)

- Cumulative Cards Written Examination (95%)
- Review Cards Deck 3 (areas for further study) (Week 3.12.5) (Must Complete)
- Block 2 Objective Structured Clinical Examination (OSCE) (Week 3.12.5) (Must Pass)
- Entrustable professional activities (Must Complete)
- Where applicable, academic mentoring plan (Must Pass)

At the conclusion of Fundamentals 12, all students will complete Cards Deck 3 to review questions from the Cumulative cards written examination and identify areas for future study. In the event that a student's combined score on the written examinations is below the expected performance level for Unit 12, they will be enrolled in a mandatory mentorship-based learning support program and also could be required to work with the Director of Review to establish an academic mentoring plan to address their area(s) of performance deficiency. The final course grade will be then determined by the Competency Committee based on the above components.

In the event that a student's rating on the end of Block OSCE is unsatisfactory, they will be required to pass a rewrite OSCE.

Description of Course Assessment Components:

Cards Decks

The online Cards Decks are to be completed by 17:30h on the Thursday of their assigned week in the course. Completion of the Decks is mandatory and will help you to decide where you need to focus your studies prior to the cumulative cards written examination.

Cumulative Cards Written Examination

The cumulative cards written examination is a proctored examination that occurs at the conclusion of Unit 11. It covers all material taught up to that point in the curriculum. Questions are printed into a booklet and answers must be transcribed by the student onto an optical score sheet during the allotted examination time.

Block 3 OSCE Exam

The Block 3 OSCE Examination is a comprehensive clinical skills exam that occurs at the end of Block 3 and tests content up that point in the curriculum. Students will be assessed on knowledge, attitudes, and skills relevant to all courses covered in the curriculum.

Entrustable Professional Activities (EPAs)

Students can be assessed using EPA 0-12 in any curricular setting. These assessment forms can be initiated by any faculty member, or requested by the student. EPA assessment forms may be built into specific learning events in the program and provide an opportunity for students to receive formative narrative feedback on their performance.

Assessment Dates

The assessment dates may be subject to change due to circumstances beyond the MD Program's control. In the event that an assessment date must be changed notification of the change will be emailed to the student by the evaluation team and posted on OSLER. Students will be given as much notice of the assessment date change as possible.

The schedule, including assessments, can be found on the timetable here

<https://cumming.ucalgary.ca/mdprogram/current-students/pre-clerkship-year-1-2/timetable>

The detailed day by day schedule is found on OSLER. <https://OSLER.ucalgary.ca/>

Grading

The University of Calgary Medical Doctor Program is a Pass/Fail program. The grading system that will appear on a student's legal transcript is as follows:

Grade	Description
CR	Completed Requirements

RM	Remedial Work Required
F	Fail
I	Incomplete
W	Withdrawal
MT	Multi-Term (Used for Part A Courses that fall under 2 different terms in the calendar year)

Professional Conduct

As members of the University community, students and staff are expected to demonstrate conduct that is consistent with the University of Calgary Calendar. The specific expectations cited in the Calendar include

- Respect for the dignity of all persons
- Fair and equitable treatment of individuals in our diverse community
- Personal integrity and trustworthiness
- Respect for academic freedom, and
- Respect for personal and University (or Host Institution) property.

Students and staff are expected to model behaviour in class that is consistent with our professional values and ethics to promote and maintain a positive and productive learning environment. All students and staff are also expected to respect, appreciate, and encourage expression of diverse world views and perspectives. While critical thought and debate is valued in response to concepts and opinions shared in class, feedback must, at all times, be focused on the ideas or opinions shared and not on the person who has stated them.

Where a breach of an above-mentioned expectation occurs in class, the incident should be reported immediately to the Associate Dean or his/her designate. As stated in the University Calendar, students who seriously breach these guidelines may be subject to a range of penalties ranging from receiving a failing grade in an assignment to expulsion from the University.

University of Calgary Medical School – Student Code of Conduct

<https://cumming.ucalgary.ca/mdprogram/current-students/pre-clerkship-year-1-2/student-code-conduct>

Attendance and Participation Expectations

All learning events are mandatory. Attendance will be taken.

Reappraisals and Appeals

Please refer to the CSM Reappraisal of Graded Term Work and Academic Assessments and CSM UME Academic Assessment and Graded Term Work Procedures for details regarding reappraisals and appeals

<https://cumming.ucalgary.ca/mdprogram/about/governance/policies#c>

Please note by policy and terms of reference if you plan to request a reappraisal of the result(s) of this exam/course, a formal reappraisal request in writing needs to be submitted to md.reappraisals@ucalgary.ca within 10 days of receiving the result.

If the student disagrees with the decision of the UME Student Evaluation Committee, the student may appeal that decision to the UME University Faculty Appeals Committee.

Academic Accommodation

Students needing an accommodation because of a disability or medical condition should contact Student Accessibility Services in accordance with the Procedure for Accommodations for Students with Disabilities

available at <https://www.ucalgary.ca/legal-services/university-policies-procedures/student-accommodation-policy>.

For Student Accessibility Services, please contact the office at (403) 220-8237, visit: MacEwan Student Centre room 452, or email: access@ucalgary.ca. Students who have not registered with the Student Accessibility Services are not eligible for formal academic accommodation.

Students who require an accommodation in relation to their coursework or to fulfil requirements for a graduate degree based on a protected ground other than disability should communicate this need, preferably in writing, to the appropriate Assistant or Associate Dean

Students who require an accommodation unrelated to their coursework, based on a protected ground other than disability, should communicate this need, preferably in writing, to the Vice-Provost (Student Experience).

For additional information on support services and accommodations for students with disabilities, visit <https://live-ucalgary.ucalgary.ca/student-services/access>

Academic Integrity

The University of Calgary is committed to the highest standards of academic integrity and honesty. Students are expected to be familiar with these standards regarding academic honesty and to uphold the policies of the University in this respect.

It is expected that all work submitted in assignments should be the student's own work, written expressly by the student for this particular course. Students are referred to the section on academic integrity in the University Calendar (<https://www.ucalgary.ca/pubs/calendar/current/k-3.html>) and are reminded that plagiarism is an extremely serious academic offence.

Student Misconduct

A single offence of cheating, plagiarism, or other academic misconduct, on term work, tests, or final examinations, etc., may lead to disciplinary probation or a student's suspension or expulsion from the faculty by the Dean, if it is determined that the offence warrants such action. A student is defined as any person registered at the University for credit or non-credit courses.

Research Ethics

If a student is interested in undertaking an assignment that will involve collecting information from members of the public, he or she must speak with the Assistant Dean, Research (UME) and consult the CHREB ethics website (<https://ucalgary.ca/research/researchers/ethics-compliance/chreb>) before beginning the assignment.

Emergency Evacuations and Assembly Points

Assembly points for emergencies have been identified across campus. The primary assembly point for the Health Sciences Centre (HSC) building is HRIC - Atrium. For more information, see the University of Calgary's Emergency Management website: <https://www.ucalgary.ca/risk/emergency-management/evac-drills-assembly-points/assembly-points>

In the case of an emergency during exam, immediately stop writing the examination and follow the direction of the invigilator and go to the nearest exit. Students should not gather personal belongings. Emergency Evacuation Procedures - <https://www.ucalgary.ca/risk/emergency-management/plans-and-procedures>.

Supports for Students

Student Advocacy and Wellness Hub (SAWH): <https://cumming.ucalgary.ca/mdprogram/current-students/student-advising-wellness>

AMA Physician and Family Support Program: <https://www.albertadoctors.org/services/physicians/pfsp>

Student Union Wellness Centre: <https://www.ucalgary.ca/wellness-services>

Safewalk: <http://www.ucalgary.ca/security/safewalk>

Campus security: call (403) 220-5333

Student Success Centre: <https://ucalgary.ca/student-services/student-success>

Library Resources: <http://library.ucalgary.ca/>

Student Union: <https://www.su.ucalgary.ca/about/who-we-are/elected-officials/>

Graduate Student's Association: <https://gsa.ucalgary.ca/about-the-gsa/gsa-executive-board/>

Student Ombudsman: <http://www.ucalgary.ca/ombuds/role>

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 (<http://www.ucalgary.ca/mentalhealth>).

Freedom of Information and Protection of Privacy

The Freedom of Information and Protection of Privacy (FOIP) Act indicates that 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 express permission. Similarly, any information about yourself that you share with your course instructor will not be given to anyone else without your permission.

Copyright

All students are required to read the University of Calgary policy on Acceptable Use of Material Protected by Copyright (<https://www.ucalgary.ca/legal-services/university-policies-procedures/acceptable-use-material-protected-copyright-policy>) 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 unauthorized 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.

ATSSL Guidelines

Please refer to the ATSSL Web Lab PPE Requirement:

<https://cumming.ucalgary.ca/mdprogram/about/governance/policies>

UME Policies, Guidelines, Forms, & TORs

Please refer to the MD program website

<https://cumming.ucalgary.ca/mdprogram/about/governance>