
NORTHERN ONTARIO SCHOOL OF MEDICINE
JOINT SENATE COMMITTEE FOR NOSM

Report to Lakehead and Laurentian University Senates

From: Joint Senate Committee for NOSM

November 24, 2011

The Joint Senate Committee for NOSM met on November 23, 2011. At the Joint Senate Committee meeting the following items were approved for submission to the Senates.

Based on this approval:

ITEM 1

Document for Approval – NOSM Academic Calendar of Events 2012-2013 [Motion]

BE IT RESOLVED THAT upon the recommendation of the Joint Senate Committee the Academic Calendar of Events – 2012-2013 Academic Year is approved as presented.

Background/Rationale:

This constitutes the yearly calendar of event for the UME program approved by the Academic Council on November 11, 2011.

Significant revisions from previous years:

- Schedule has been adjusted to allow students in all four years of the UG program to participate in the Rendez-Vous World Conference (with the exception of some year 4 students who may be unable to take time from electives)
- To allow for effective curriculum flow, the winter recess for year 3 is proposed to begin/end one week earlier than the winter recess for the other three years.

ITEM 2

Document for Approval – Course Calendar: Curriculum Description Phase 1-3 [Motion]

Be it resolved that upon the recommendation of the Joint Senate Committee the proposed revisions to NOSM Phase 1 to 3 Course Descriptions, specifically for Northern and Rural Health (MEDS 5005, 5205, 5405, and 5606) and Personal and Professional Aspects of Medical Practice (MEDS 5425 and 5625) is approved as presented.

Background/Rationale: (TRACK CHANGE DOCUMENT ATTACHED)

Annual review of NOSM Phase 1 to 3 Course Descriptions has resulted in proposed changes to the course descriptions for Northern and Rural Health (MEDS 5005, 5205, 5405, and 5606) as well as Personal and Professional Aspects of Medical Practice (MEDS 5425 and 5625).

Proposed revisions:

Each Theme Committee (sub-committees of UMEC) has completed an annual review of their relevant course description.

Northern and Rural Health (MEDS 5005, 5205, 5405, and 5606) - Theme 1 - revised to include language around CanMED competencies, language that is more appropriate to learning levels, focus on collaborate care in yr 2, method of assessment in yr 3, yr 4.

Personal and Professional Aspects of Medical Practice (MEDS 5425 and 5625) - Theme 2 - revised to include language around CanMED competencies and, in Phase 2, language more appropriate to their level of current abilities.



Considered draft until approved by Senates

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| May 14, 2012 | Year 4 begins for E2009 class |
| August 20 to August 24, 2012 | Year 1 Orientation |
| August 27, 2012 | Years 1, 2: Modules/Courses begin |
| August 27 to August 31, 2012 | Year 3: Orientation - in CCC communities |
| September 3, 2012 | Labour Day holiday |
| September 4, 2012 | Year 3: Program begins |
| October 8, 2012 | Thanksgiving holiday |
| October 9 to October 14, 2012 | Years 1, 2, 3, 4: Rendez-Vous 2012 World Conference |
| December 14, 2012 | Last date to withdraw without academic penalty <i>*to be confirmed by University Registrars Office</i> |
| December 14, 2012 | Year 3: Last day of instruction before Winter recess |
| December 17, 2012 to January 2, 2013 | Year 3: Winter recess |
| December 17 to December 21, 2012 | Year 4: Academic Week |
| December 21, 2012 | Years 1, 2, 4: Last day of instruction before Winter recess |
| December 24, 2012 to January 4, 2013 | Years 1, 2, 4: Winter recess |
| January 1, 2013 | New Year's Day holiday |
| January 3, 2013 | Year 3: Clerkships resume |
| January 7, 2013 | Years 1, 2, 4: Modules/Courses/Clerkships resume |
| January 21 to February 10, 2013 | Year 4: Interview Process (re CaRMS) |
| February 18, 2013 | Family Day holiday |
| March 11 to March 15, 2013 | Years 1, 2: Reading Week |
| March 29, 2013 | Good Friday holiday |
| April 1, 2013 | Easter Monday holiday |
| April 8 to April 26, 2013 | Year 4: Review |
| April 15 to April 26, 2013 | Year 3: Travel and Study Weeks |
| April 22 to April 26, 2013 | Year 2: Study Week/OSCE |
| April 29 – May 3, 2013 | Year 2: Orientation to Year 3 (CCC) – on campus |
| April 29 – May 10, 2013 | Year 3: Study Weeks/OSCE |
| May 6, 2013 | Year 2: Electives begin |
| May 13, 2013 | Year 4 begins for E2010 class |
| May 20, 2013 | Victoria Day holiday |
| May 20 to 24, 2013 | Year 1: Completion Week |
| May/June 2013 (Date TBA) | Hooding Ceremony |
| May 2013 (Date TBA) | Year 4: LMCC Exam |
| May 2013 (Date TBA) | Lakehead University Convocation Ceremony |
| June 2013 (Date TBA) | Laurentian University Convocation Ceremony |
| July 1, 2013 | Canada Day holiday |
| August 5, 2013 | Civic holiday |

Note: Weeks include all holidays. You may be required to work those holidays, please correspond with your coordinator or other authority to confirm if you are required to be present on those specific dates. UMEC app 2011 10 06. Submitted to Academic Council for vote on approval on 2011 11 10



Northern Ontario
School of Medicine

Phase 1 (Year 1) FIRST YEAR COURSES

MEDS 5005: Northern and Rural Health

Focusing on the knowledge, skills and attitudes required to be an effective physician in a northern and rural setting, students will be required to **begin to develop in the competency domains of collaborator, manager, advocate and medical expert.** They will learn the context for the practice of medicine in Northern Ontario, understand the importance of interprofessional care, and begin to understand the determinants of health with a particular focus on culture. They will demonstrate the ability to apply an understanding of northern and rural cultures in the practice of medicine, develop an awareness and responsiveness to the changing needs of the community; and begin to learn to advocate for the health care needs of the community. As part of this course students undertake a four week Integrated Community Experience (ICE) in an Aboriginal community.

MEDS 5025: Personal and Professional Aspects of Medical Practice

Focusing on the role of the physician as a communicator, scholar, and a professional, students will affirm the centrality of the patient-physician relationship, the requirement of a commitment to carrying out professional responsibilities, adherence to ethical principles and sensitivity to a diverse population. Effective participation in the course will ensure the development of appropriate skills in critical appraisal of evidence, the use of information technology, and the development of strategies to support self-directed learning.

MEDS 5045: Social and Population Health

Focus will be on identification of the most important determinants of health of individuals and populations, discussion of the impact of health policy on the determinants of health and review of current-important Canadian health care issues. Students will be required to demonstrate knowledge and understanding of the principles of public health, health promotion, and health education and illness/disease prevention skills for individuals and communities.

MEDS 5065: Foundations of Medicine

Scientific disciplines basic to the study and practice of medicine are covered. Included are objectives promoting the requirement that a physician must be knowledgeable and that graduates should be trained to a general professional level. Students will be expected to demonstrate a level of knowledge and skill with respect to the topics considered to be the foundations of medicine.

MEDS 5085: Clinical Skills in Health Care

The focus will be on the taking of a patient's history and performing a physical examination, skilful communication with patients of varying cultural backgrounds and life cycle stages, and interacting with patients following a patient-centred model of care. Students will be expected to demonstrate effective consultation, diagnostic, therapeutic and technical skills at an appropriate level.

Phase 1 (Year 2) SECOND YEAR COURSES

MEDS 5205: Northern and Rural Health

A continuation of the focus the knowledge, skills and attitudes required to be an effective physician in a northern and rural setting, students will continue their development in several of the CanMEDS competency domains. Students will be required to: demonstrate the ability to apply an understanding of northern and rural cultures in the practice of medicine; demonstrate, by active involvement, that they are aware of and responsive to the changing needs of the community; advocate for the health care needs of the community; identify and use appropriate technology to facilitate communication and care delivery, demonstrate the ability to function as part of a collaborative team and demonstrate sensitivity and responsiveness to the health care needs of Aboriginal and Francophone communities and peoples. The course requires students to complete two, four week Integrated Community Experiences (ICE) in rural or remote communities in Northern Ontario.

MEDS 5225: Personal and Professional Aspects of Medical Practice

A continuation of the first year course and students will be expected to continue to develop in their roles as communicator, scholar, and professional. The two Integrated Community Experiences in rural and remote settings will create opportunities to support the development of appropriate professional attitudes and values related to health and wellness, illness and disease, and the physician's role in the lives of individuals, families, and communities. Furthering their skills in self-reflection, students will continue to develop a sense of themselves as a professional, as a life long learner, a member of the health care team, and part of a community within the context of a host of health, wellness, and illness issues.

MEDS 5245: Social and Population Health

First year concepts are built upon with a more focused look at issues of public health policy, the organization of the health care system in Canada, and health education and illness/disease prevention strategies

MEDS 5265: Foundations of Medicine

A continuation of the first year course concepts and will include specific instruction and learning related to the immune and haematology systems, the reproductive systems including an introduction to obstetrical issues, pharmacology, and psychiatry. Students will be expected to demonstrate a level of knowledge and skill with respect to the topics considered to be the foundations of medicine. Students will also be expected to continue to develop skills in critical appraisal of evidence, the use of information technology, and strategies to support self-directed learning.

MEDS 5285: Clinical Skills in Health Care

The concepts and skills in communication which were introduced in the first year of the program are further developed. Body systems, introduced in Foundations of Medicine, will be continued to ensure that students develop the communication skills and physical

examination skills necessary to be able to begin the process of developing a differential diagnosis while continuing to understand the patient's illness experience.

MEDS 5305: Elective

A structured learning experience designed to allow students to address their professional medical interests, in a field of medicine or related fields approved by NOSM's Clinical Sciences Division, Medical Sciences Division or Human Sciences Division as well as the Office of Undergraduate Medical Education. This elective is required as part of the core undergraduate curriculum. A minimum of four weeks must be completed prior to the start of the Comprehensive Community Clerkship (CCC) in Phase 2, Year 3.

Phase 2 (Year 3) THIRD YEAR COURSES

MEDS 5405: Northern and Rural Health

As with the first and second year courses in Northern and Rural Health, the focus is on the knowledge, skills and attitudes related to the social, cultural, economic, environmental, and health resource distribution realities of Northern Ontario required to be an competent and effective physician in northern and rural settings. Students will be expected to demonstrate the ability to apply their understanding of the northern and rural reality in the practice of medicine. This includes demonstrating, by active involvement, that they can identify and respond to the changing needs of the community; advocate for the health care needs of the community; collaborate effectively with the health care team; utilise technology to facilitate care delivery, and demonstrate sensitivity and responsiveness to the health care needs of the people of Northern Ontario. Students will also be required to reflect on topics of relevance to the Northern Ontario community in which they will be living and learning for 8 months of the integrated third year Comprehensive Community Clerkship (CCC).

MEDS 5425: Personal and Professional Aspects of Medical Practice

Building on the first and second year, this course will focus on the many personal, social, professional, legal and ethical considerations inherent to medical practice. Students will continue to develop in their roles as communicators, scholars and professionals but will develop their roles as collaborators, advocates and health managers. The 8 month Comprehensive Community Clerkship (CCC) in a Northern Ontario community creates opportunities to support the development of professional attitudes and values related to health and wellness, illness and disease, and the physician's role in the lives of individuals, families, and communities. In addition, the course gives students the opportunity to experience the application of ethical principles and concepts to issues that will arise throughout their clinical encounters. Students will complete reflective exercises and formal presentations to develop skills related to the critical appraisal of evidence, the use of information technology, and the development of strategies to support lifelong and self-directed learning.

MEDS 5445: Social and Population Health

Students are provided the opportunity to apply the concepts, attitudes and behaviours introduced in Year 1 and 2. Course work will include researching and presenting topics of relevance to the student's community practice where they will be for the 8 month Comprehensive Community Clerkship (CCC). Presentations may include chart reviews,

quality assurance and examinations of treatment approaches and health policies. Key concepts in evidence-based medicine, epidemiology and biostatistics will be included in small group discussions. There will be a focus on identification of important determinants of health with respect to individuals and populations, discussion of the impact of health policy on the determinants of health and review of important current Canadian health care issues. Students will be required to demonstrate knowledge and understanding of public health policies, organization of the health care system, health promotion and illness/disease prevention skills for individuals and communities.

MEDS 5465: Foundations of Medicine

Building on the first and second year courses, students will gain a more in depth comprehension of how to apply the key concepts learned in the years prior to their clinical practice. Students will continue to receive specific instruction related to the structure and function of the organ systems of the body in the context of the core clinical disciplines including clinical correlates for selected concepts. This course will discuss and assess the knowledge and skills, considered the foundations of medicine utilizing integrated small group discussions conducted in the communities where students will be learning and living for the 8 month third year clerkship.

MEDS 5485: Clinical Skills in Health Care

Further to the first and second year courses students will refine their history taking and physical examination skills. Emphasis will be on differential diagnoses, clinical decision-making skills, and further investigation and therapeutic management of common clinical problems, while continuing to understand the patient's illness experience. During the 8 month Comprehensive Community Clerkship (CCC), students will be exposed to community-based clinical practices, emergency medicine, in-patient care, obstetrical care, and surgical care. Teaching will include small group tutorials, bedside and ambulatory care instruction, and clinicopathological conferences.

Phase 3 (Year 4) FOURTH YEAR COURSES

MEDS 5605: Northern and Rural Health

Designed to continue to build upon and expand the competencies that students have acquired to-date. The focus is on the development of knowledge of rural health care delivery within and beyond Ontario and demonstration of the competencies of socially accountable physicians. Students continue to be required to translate their knowledge of rural and northern health, culture , and the social and economic environment to appropriate patient care. They will demonstrate an on-going commitment to understanding and responding to the health care needs of the communities and peoples of Northern Ontario from the setting of the larger phase 3 learning centres. They will further develop the competency domain of the scholar through exercises in evaluation and analysis of topics pertinent to rural and Northern health and health care delivery.

MEDS 5625: Personal and Professional Aspects of Medical Practice

Students continue to refine their understanding of professional issues and will strive to become competent as medical experts who are able to balance their roles as communicators, scholars, professionals, collaborator, advocates and health managers.

Topics focus on the historical development of medical specialties, the legal framework for the practice of medicine in Ontario and Canada, ethical issues related to medical errors and patient safety, physician advocacy, and laws and requirements around medical records and practicing medicine in a hospital.

MEDS 5645: Social and Population Health

Students continue to learn about the social cultural perspectives on individual and population health, community and public health, occupational health and the social determinants of health. Development of critical appraisal skills through background reading and applying evidence-based medicine to patient and populations is emphasized. Various epidemiological designs and statistics are introduced, discussed and applied.

MEDS 5665: Foundations of Medicine

Acquiring knowledge about and application of the basic medical sciences in the context of patient care will continue to be an essential part of student instruction in all settings. Students will be expected to recall, understand, and apply knowledge of the basic sciences learned from the first three years. Review of anatomy, physiology, biochemistry, microbiology, genetics, and immunology will be encouraged and assessed. Pathology, pathophysiology, pharmacology, and therapeutics will be the subjects heavily emphasized and assessed.

MEDS 5685: Clinical Skills in Health Care

An in-depth experiential learning and exploration of the medical specialties and sub-specialties, research of the human sciences, through a series of core medical and elective rotations. Successful completion of Clinical Skills in Health Care is accomplished by obtaining a mark of PASS throughout all rotations.

MEDS 5710: Internal Medicine

The four week internal medicine clerkship incorporates the objectives of general internal medicine as well as some of the sub-specialties of internal medicine. The content of the internal medicine clerkship builds upon the diagnosis, treatment and management of patients in the in-patient and out-patient setting.

MEDS 5711: Surgery

The four week surgical clerkship is intended to provide the clerk with an understanding of the broad principles of surgery and the basics of many of the individual surgical specialties as a foundation for post graduate training. Learning is focused through objectives and patient encounters in the out-patient and in-patient environment.

MEDS 5713: Women's Health

The four week women's health rotation provides students with the opportunity to acquire knowledge and skills necessary for the diagnosis, treatment and management of the gynaecological patient. Students will participate in the admission, management and follow through of obstetrical cases with a focus on in-patient care.

MEDS 5714: Children's Health

The four week children's health rotation is an experience in which students will have an in depth experience in acquiring the knowledge and skills necessary for the comprehensive evaluation of pediatric patients from the neonate to the adolescent.

Students will have a focused experience in which they will be learning about common and important pediatric principles as well as common and emergent problems in the hospital, ambulatory and community settings.

MEDS 5715: Mental Health

This four week mental health rotation is designed to provide students with the opportunity to learn and acquire skills necessary to take a proper psychiatric case history, to examine psychiatric patients, and to develop management and treatment plans. Students will expand the knowledge they have acquired from experiences in the first three years to better understand the roles of a variety of therapies in the treatment and management of out patient and hospitalized patients and will better understand how mental health issues and psychiatric problems are managed over time.

MEDS 5716: Emergency Medicine

The four week emergency medicine rotation provides an in depth experience for students in the context and milieu of large city hospital-based emergency departments. During this period students expand their knowledge of triage in the emergency setting, will sharpen their history and physical exam skills in acute injury management and will learn to quickly identify procedures required for extreme emergent situations.

Phase 3 (Year 4) ELECTIVES

Course Description

Students are required to complete a minimum of twelve weeks of electives in Phase 3. Elective experiences are structured educational opportunities that allow medical students to explore the specialties and sub-specialties of medicine as well as explore their career options. Electives must be a minimum of two weeks in duration although one week electives may be approved under special circumstances.

These electives must be in a minimum of three of the Canadian Resident Matching Service (CaRMS) categories (listed below) and must include one Family Medicine elective (minimum duration of two weeks). A broad range of Family Medicine elective experiences including those with special focused practices will be considered.

Canadian Resident Matching Service (CaRMS) categories:

- Obstetrics and Gynecology
- Family Medicine (Palliative Care, Sports Medicine)
- Psychiatry
- Pediatrics (Pediatrics, Pediatric Neurology)
- Imaging (Diagnostic Radiology, Nuclear Medicine)
- Ophthalmology
- Otolaryngology
- Anesthesiology
- Community Medicine (Public Health, Prevention, Health Promotion)
- Emergency Medicine
- Medical Genetics
- Internal Medicine (Internal Medicine, Dermatology, Neurology, Physical Medicine and Rehabilitation, Critical Care)

- Laboratory Specialties (Anatomical Pathology, General Pathology, Hematological Pathology, Laboratory Medicine, Medical Biochemistry, Medical Microbiology, Neuropathology)
- Radiation Oncology
- Surgery (General Surgery, Cardiac Surgery, Neurosurgery, Orthopedic Surgery, Plastic Surgery, Urology, Pediatric Orthopedic Surgery)

MEDS 5750 - Elective/Medical/Specialty

MEDS 5751 - Elective/Surgical/Specialty

MEDS 5752 - Elective/Women's Health /Specialty

MEDS 5753 - Elective/Children's Health/Specialty

MEDS 5754 - Elective/Internal Medicine/Specialty

MEDS 5755 - Elective/Mental Health Medicine/Specialty

MEDS 5756 - Elective/Family Medicine/Specialty

MEDS 5757 - Elective/Research

MEDS 5758 - Elective/Human Sciences

MEDS 5759 - Elective/Laboratory Medicine/Pathology/Specialty

MEDS 5770 - Elective/Diagnostic Imaging/Nuclear Medicine/Specialty

MEDS 5771 - Elective/Emergency Medicine

MEDS 5772 - Elective/Community Medicine

MEDS 5773 - Elective/Anesthesia