



School of Graduate Studies

1280 Main Street West
Hamilton, Ontario, Canada
L8S 4L8

Phone 905.525.9140
Ext. 23679
Fax 905.521.0689
<http://www.mcmaster.ca/graduate>

May 2, 2008

To : Members of the Faculty of Business Graduate Curriculum
and Policy Committee

From : Medy Espiritu *medy Espiritu*
Assistant Secretary and SynApps System Administrator

The next meeting of the Faculty of Business Graduate Curriculum and Policy Committee will be held on **Wednesday, May 7, 2008 at 3:00 p.m. in DSB-510.**

Listed below are the agenda items for discussion.

Should you be unable to attend this meeting, please notify me at extension 24204 or email espiritu@mcmaster.ca.

A G E N D A

- I. New program: Graduate Diploma in Management Studies
- II. Calendar copy: M.Sc. in eHealth – Dr. N. Archer
- III. K736 – Management Issues in eHealth
- IV. Calendar copy: Ph.D. in Health Policy – Dr. M. Giacomini
- V. Other Business

McMaster University

DeGroote School of Business

Brief for Standard Appraisal of Type 4 Graduate Diploma

Management Studies

May 2008

Proposal for a Graduate Diploma in Management Studies

McMaster University

The DeGroot School of Business is proposing to establish a Graduate Diploma in Management Studies. This diploma falls under the scope of a Type 4 graduate diploma as outlined by OCGS. The diploma will be a sub-specialization within an existing program (in this case, the MBA) and will be considered a stand-alone, direct-entry diploma designed to suit the needs of a particular clientele or market.

Rationale

As populations continue to age and baby boomers continue to retire over the next ten years, “existing managers in organizations will need continuing education and exposure to new concepts in order to assume positions of leadership”.¹ While most organizations have in-house training and development programs, these programs are not always cost-effective and do not have the same level of rigour one would find within a university environment. As such, many organizations look towards academic institutions for a way to provide management and business administration education to managers and other employees as part of their training initiatives.

Recent market investigation indicates that there is a tremendous potential for executive education offerings within the Hamilton/Burlington area, especially since “there is virtually no university based competition for executive education between the GTA and St. Catharines”.² Recognizing this potential, the School of Business has made executive education an integral part of its strategic plan for the future and as such, is seeking for ways to increase its offerings through various Diploma-based programs. We are currently in the process of recruiting a seasoned Director of Executive Education who will build on our strategy and programs.

The Graduate Diploma in Management Studies will be the first of many executive offerings that will enable the school to meet its long-term strategic goals. The courses within the Graduate Diploma will equip students with a general introduction to key ideas and practices that inform business decisions.

Academic Quality

All the courses in this diploma are courses offered through our on-going MBA program, which was last reviewed by OCGS in October 2006 and classified as “good quality”.

Financial Viability

It is our intention to deliver the Graduate Diploma to a particular clientele or market on a strictly full-cost recovery basis. We are confident in the financial viability of this self-funded program since typically

¹ “The Burlington Opportunity: A Qualitative Market Assessment and Strategy,” BMAI Strategy Report, Barnes Marketing Associates Inc., (November 2006)

² Ibid.

executive education programming is based on variable costs (i.e. if programs are not offered, costs are not incurred), and as such, risk is significantly reduced.

Course and Academic Requirements

The Graduate diploma will be comprised of five 600-level MBA courses. However, the exact mix of courses will depend on the specific needs of the organization with discussion and guidance from the Director of the MBA Program, the Associate Dean as well as the Director of Executive Education.

In addition to the above, the Graduate Diploma will only be offered when there is a reasonable cohort of 15 to 25 students. Students will not be permitted to enroll in a Graduate Diploma on a one-off basis unless they are part of an approved cohort.

Menu of 600-level courses currently offered:

A600	Financial Accounting & Reporting
A610	Managerial Accounting
B600	Organizational Behaviour
E600	Economics
F600	Managerial Finance
H600	Human Resources Management
K603	Information Systems Management
M600	Marketing Concepts & Applications
O600	Operations Management
Q600	Applied Business Statistics

Admission Requirements in Comparison to Parent Program:

The admission and other requirements of this program are such as to ensure that the current high quality of the student body in the McMaster MBA Program is not compromised.

Admission:

Admission requirements will be on the same basis as that of the MBA Program, with the exception of a GMAT. For those that wish to continue on with the MBA Program, they will have to write the GMAT and meet the minimum requirements as specified in our MBA Admission policy.

Course Requirements:

Students in the Graduate Diploma will be required to meet the same course requirements (e.g. exams, reports, presentations), and be marked with the same criteria, as our regular full-time and part-time students.

Continuation to the Parent Program (MBA):

Students who wish to continue from the Graduate Diploma to the MBA Program will be awarded Advanced Standing for only 20% of the courses (i.e. 4 out of the 20 MBA courses). These students will then be required to complete an additional 16 courses to obtain their MBA degree.

Mode of Delivery:

It is expected that most Graduate Diploma students will be taught as a separate cohort from the regular MBA class either at the organization's site or the future Burlington campus for Advanced Management Studies.

Core Faculty:

The following is a list of full-time faculty who currently teach 600-level MBA courses. This will be the core group from which we will draw from for this Graduate Diploma as appropriate. Sessional lecturers may also teach some courses as they have in the MBA Program. Please note that teaching in this Graduate Diploma will not be part of the regular teaching load of faculty members.

Prakash L. Abad, Professor of Management Science
B. Tech. (Indian Institute of Technology); M.S., MBA, Ph.D. (Cincinnati)

Catherine E. Connelly, Assistant Professor of Organizational Behaviour and Management
B. Com. (McMaster); M.Sc., Ph.D. (Queens)

Anna N. Danielova, Assistant Professor of Finance
B.S. (Yerevan Polytechnic), M.S. (American University of Armenia); M.A., M.B., Ph.D. (Indiana)

Khaled S. Hassanein, Chair and Associate Professor of Information Systems
B. Sc. (Kuwait), M.A.Sc (Toronto), MBA (Wilfrid Laurier), Ph. D. (Waterloo)

Milena M. Head, Associate Dean and Associate Professor of Information Systems
B. Math (Waterloo); MBA, Ph.D. (McMaster)

Teal McAteer, Lecturer, Organizational Behaviour and Human Resources
B. Com. (Queens); M.I.R., Ph.D. (Toronto)

Khalid Nainar, Professor of Accounting and Financial Management Services
B.A. (Honours, St. Stephen's College), M.A. (Delhi School of Economics), Ph.D. (Florida)

Sourav Ray, Assistant Professor of Marketing
B. Tech (Indian Institute of Technology), M.S. (Texas A&M), Ph.D. (Minnesota)

Tina Salisbury, Lecturer, Management Science
B. Com., MBA (McMaster)

Mohamed M. Shehata, Professor of Accounting and Financial Management Services

B. Com. (Tanta), M.S. (AinShams), MBA (North Texas State), Ph.D. (Florida)

Peter Vilks, Lecturer, Strategic Market Leadership and Health Services Management

B. Sc. E. E. (Buffalo), MBA (McMaster)

e-HEALTH

A new interdisciplinary, inter-faculty M.Sc. program in eHealth will be offered at McMaster University, beginning in the academic year 2008/09, pending approval by the Ontario Council on Graduate Studies.

eHealth (also known as Health Informatics) is defined as ‘The knowledge, skills and tools which enable information to be collected, managed, used and shared to support the delivery of healthcare and to promote health.’ The objective of the program is to produce Masters level graduates with high quality training in the broad interdisciplinary area that spans eHealth, emphasizing industry-relevant academic research and development.

The program is based on a collaborative partnership among the Faculties of Health Sciences, Engineering and the DeGroote School of Business. It is administered by the DeGroote School of Business. Three Departments are major collaborators in the program: the Department of Clinical Epidemiology and Biostatistics (Faculty of Health Sciences), the Department of Computing and Software (Faculty of Engineering), and the Information Systems Area in the DeGroote School of Business. Additional faculty members with eHealth interests from other departments also participate in the program.

Enquiries: 905-525-9140 Ext. 23603

Fax: 905-528-0556

E-mail: ehealth@mcmaster.ca

Website: <http://mscehealth.mcmaster.ca/>

STAFF/ FALL 2008

PROFESSORS

R. Brian Haynes, B.Sc., M.D. (Alberta), M.Sc., Ph.D. (McMaster), F.R.C.P.(C), Clinical Epidemiology and Biostatistics/ Medicine

Anne Holbrook, B.Sc. Pharm. (Toronto), Pharm. D. (Philadelphia), M.D., M.Sc. (McMaster), F.R.C.P.(C) / Medical Sciences / Physiology/Pharmacology

Donna Ciliska, B.Sc.N., M.Sc.N (Western), Ph.D. (Toronto) / Nursing

Robert Issenman, M.D. / Pediatrics

Franya Franek, M.Sc., RNDr. (Charles, Prague), Ph.D. (Toronto) / Computational Engineering and Science

Ryszard Janicki, M.Sc. (Warsaw), Ph.D., D.Hab. (Polish Academy of Sciences) / Computing and Software

Thomas Maibaum, B.Sc. (Toronto), Ph.D. (London)/ Canada Research Chair / Computing and Software

Ali Montazemi, H.N.D. (Teeside Polytechnic, U.K.), M.Sc. (Southampton), Ph.D. (Waterloo) / Information Systems

Yufei Yuan, B.S. (Fudan), Ph.D. (Michigan) /Information Systems / Wayne C. Fox Chair in Business Innovation

ASSOCIATE PROFESSORS

Nick Bontis, B.A., Ph.D. (Western) / Strategic Market Leadership & Health Services Management / Director, Undergraduate Programs

Kenneth R. Deal, B.S., M.B.A., Ph.D. (SUNY at Buffalo) / Strategic Market Leadership & Health Services Management

Maureen Dobbins, B.Sc.N. (McMaster), Ph.D. (Toronto) / Nursing

Lisa Dolovich, B.Sc. Pharm (Toronto), M.Sc. (McMaster), Pharm. D. (Toronto) / Physiology/Pharmacology / Clinical Epidemiology and Biostatistics

Douglas G. Down, B.A.Sc., M.A.Sc. (Toronto), Ph.D. (Illinois, Urbana-Champaign) / Computing and Software

Khaled S. Hassanein, B.Sc. (Kuwait), M.A. Sc. (Toronto), M.B.A. (Wilfred Laurier), Ph.D. (Waterloo), P.Eng. / Chair Information Systems / Director, McMaster eBusiness Research Centre

Milena Head, B.Math (Waterloo), M.B.A., Ph.D. (McMaster) / Information Systems / Associate Dean, DeGroote School of Business

David Koff, M.D. (Rene-Descartes) , Chair, Department of Radiology

Ann McKibbin, B.Sc. (Guelph), M.L.S. (Western), Ph.D. (Pittsburg) / Clinical Epidemiology and Biostatistics

W.F. Skipper Poehlman, B.S. (Niagara), B.Sc. (Brock), M.Sc., Ph.D. (McMaster), P.Eng. / Computing and Software

Parminder Raina, B.Sc. (Saskatchewan), Ph.D. (Guelph) / Clinical Epidemiology and Biostatistics

Rolf J. Sebaldt, B.Sc., M.D., C.M. (McGill), F.R.C.P.C., F.A.C.P. / Clinical Epidemiology and Biostatistics / Medicine

Lehana Thabane, B.Sc. (Lesotho), M.Sc. (Sheffield), Ph.D. (Western) / Clinical Epidemiology and Biostatistics

Ruta Valaitis, B.A., B.Sc.N. (Windsor), M.H.Sc. (McMaster), Ph.D. (Toronto) / Nursing

Alan Wassyn, B.Sc. (Hons), M.Sc., Ph.D. (Witwatersrand) / Computing and Software

Donald Willison, B.Sc. (Toronto), M.Sc. (McMaster), Sc.D. (Harvard) / Clinical Epidemiology and Biostatistics

ASSISTANT PROFESSORS

Christopher Anand, B.Math (Waterloo), M.Sc., Ph.D. (McGill) / Computing and Software

Pamela Baxter, B.A. (Wilfred Laurier), B.Sc.N., M.Sc., Ph.D. (McMaster) / Nursing

Ilana Bayer, Ph.D. (Toronto) / Pathology and Molecular Medicine

Catherine Connelly, B.Comm. (McMaster), M.Sc., Ph.D. (Queen's) / Human Resources & Management

Sarah Garside, H.B. Arts and Sci., M.D. (McMaster), Ph.D. (McMaster), F.R.C.P.(C) / Psychiatry and Behavioural Neurosciences

Elkafi Hassini, B.Sc., (Bilkent), M.A.Sc., Ph.D. (Waterloo) / Operations Management

Anthony Levinson, M.D., M.A. (Sussex), M.Sc. (McMaster), FRCP(C) Assistant Professor and John R. Evans Chair Health Sciences / Educational Research and Instructional Development

Christopher Longo, B.A. (York), M.Sc. (Western), Ph.D. (Toronto) / Strategic Market Leadership & Health Services Management

David Musson, M.D. (Western), Ph.D. (Texas at Austin) / Anesthesia

Kamran Sartipi, M.Sc. (Tehran), M.Math, Ph.D. (Waterloo) / Computing and Software

Jean-Eric Tarride, B.A., M.A. (Toulouse), Ph.D. (Concordia) / Clinical Epidemiology and Biostatistics

ASSOCIATE MEMBERS

David H. Chan, B.Sc.E.Eng. (Louisiana) M.D. (Toronto), C.C.F.P., M.Sc. (McMaster) F.C.F.P., Associate Professor / Family Medicine

Alex Drossos, B.E.Sc., B.Sc., M.B.A (McMaster), M.Ed (Toronto, in progress), M.D. (St. George's, in progress), Adjunct Professor (McMaster) / Health Services Management

Karim Keshavjee, B.Sc. (McGill), M.Sc. (Toronto), M.D. (Toronto), M.B.A. (Toronto), C.C.F.P. / InfoClin

Mark Morreale, B.Sc. (Toronto), M.Sc. (Queen's) / Clinical Epidemiology and Biostatistics

Rocco Piro, B.Sc. (McMaster), Director, IT, Faculty of Health Sciences

Nancy Wilczynski, B.A., M.Sc., Ph.D. (McMaster) / Clinical Epidemiology and Biostatistics

Andrew Worster, B.Sc., M.Sc. (New Brunswick), M.D. (Dalhousie), M.Sc. (McMaster), C.C.F.P. (EM), F.C.F.P. / Medicine / Clinical Epidemiology and Biostatistics

PROFESSORS EMERITI

Norman P. Archer, B.Sc. (Alberta), Ph.D. (McMaster), M.S. (New York) / Information Systems

William F. Smyth, B.A. (Toronto), M.Sc. (Ottawa), Ph.D. (Curtin), C.Eng., F.B.C.S., F.I.C.A. / Computing and Software

Areas of Specialization

Students may specialize in one of the three fields in the program: health sciences, computer science, or business. All students are required to complete the three core courses, and a variety of elective courses in each field are available to cater to individual interests. Student specialization interest must be declared when applying for admission. Each student is assigned a supervisor from the student's field of interest upon registration, and a second member of the supervisory committee from one of the other two fields is appointed to ensure that the student maintains a broadly focused view of the eHealth field. All students must participate in and contribute to a seminar series designed to acquaint students with recent advances in the eHealth field.

Admission

Students entering the eHealth program may be admitted from a variety of suitable undergraduate degrees. They will belong to a community with a variety of backgrounds in related fields, with common interests in information technology to support health services delivery and research. The main requirements are a good background in computing and a strong interest in the use of computing support in healthcare applications. A background from the health sciences, life sciences, business, or computer science is an asset, but not a requirement. The Admissions Committee will in each case judge the candidate's suitability for the program. Students who are judged to be deficient in computer or mathematics skills may be given conditional admission until they can successfully complete specified background courses or

modules. A minimum B+ average in the final year of a four year undergraduate degree program is required for admission. Applicants for the full-time options must also pass a face-to-face interview that evaluates their suitability for internship placement, a required component of the program.

Degree Options and Internship

A candidate for the M.Sc. eHealth degree may choose to take the program either full-time or part-time. The full-time program has two options: thesis or course-project. In the thesis option, students must complete the three required courses plus one elective course from the field of specialization (a total of four courses), and complete and defend a Master's thesis successfully. The thesis option is not open to part-time students. Completion of the M.Sc. thesis option is the preferred route to a Ph.D. program in a similar field (e.g. Health Research Methodology, Computer Science, or Business). In the course-project option (which may be taken full or part-time), students take the three required courses, two electives from the field of specialization, and two other electives from the other two fields (for a total of seven courses). All courses must be completed with at least a B- standing.

Students taking the thesis option are expected to complete their programs and submit their research theses within 20 months of registration. Full-time students taking the course-project option are expected to complete their programs within 20 months, including a project which will normally be a scholarly paper arising from a relevant study in eHealth. Full time students are limited to a maximum of three years from initial registration. Part-time students are expected to complete their programs within four years of registration, but are limited to a maximum of five years. They are also required to complete a project that is a scholarly paper relevant to eHealth, often for their current employer if the employer is in a healthcare industry.

In addition to coursework, all full-time students must complete an eight month paid internship placement with a company, healthcare institution, or government agency. All efforts are made to ensure that the placement is closely aligned with the student's research or project interests, and ultimately with the student's career goals.

Required Courses

All required and elective courses are half courses.

HRM 724 / Fundamentals of eHealth and the Canadian Health Care System / McKibbin

This tutorial-based course will cover a broad range of eHealth topics from the perspective of health care delivery. Topics include a definition of eHealth; health care data; hospital and primary care information systems (i.e. electronic health records [EHR] systems); specialty components of an EHR system; how health professionals use data; human/cognitive factors in development and implementation of eHealth applications; standards, vocabulary and nomenclatures and how used; aggregation of health information; patient information systems and consumer eHealth; research and evaluation of eHealth applications and using eHealth applications; implementation issues and privacy, security, and confidentiality; and the future of eHealth.

Prerequisite: Two day orientation to the Canadian Health Care System, for eHealth program students with a non-health academic background, held before the HRM 724 course begins.

BUS K736 / Management Issues in eHealth / Archer

This course covers a number of topics relevant to the management of electronic health systems. The topics will be presented in an integrated manner that will promote an understanding of health system governance, project management, accountability, risk analysis, management, ethical, privacy, legal and regulatory standards, and policies. It will demonstrate real issues by focusing on a team-based case study through much of the course that covers the life cycle process of managing a project to implement an eHealth system, beginning with needs analysis and ending with implementation, evaluation, and maintenance.

Prerequisite or corequisite: K603 Information Systems Management (see MBA calendar) or equivalent.

CAS 757 / Modern Software Technology for eHealth / Sartipi

This course exposes the graduate students in Software Engineering and Computer Science programs to the challenges in the field of Electronic Health (eHealth). The course introduces a collection of modern architectures and technologies that are recommended by standardization organizations to build the infrastructure that meets the emerging demands in the growing network of healthcare systems. The topics include: challenges in ultra large systems; standard healthcare data formats; clinical decision support systems; data and knowledge interoperability; autonomic computing; integration of existing healthcare systems; and service oriented architectures.

Prerequisites: HRM 724 and BUS K736; Knowledge of information representation and communication of information among computer systems..

Elective Courses

For course details, see MBA Calendar (BUS courses); and the Graduate Calendar: Computing and Software (COMP SCI, SOFT ENG, CAS courses); Health Research Methodology (HRM courses); Clinical Health Sciences (CHS courses); Medical Sciences (MED courses); and Nursing (NUR courses). Other courses may be approved through special permission.

BUS C722 / Management of Population Health / Longo

BUS K723 / Databases & Data Warehouses / Yuan

BUS K724 / eBusiness Strategies / Hassanein

BUS K725 / Business Process Reengineering / Montazemi

BUS K731 / Project Management / Lutz

BUS K784 / Privacy and Security / Yuan

BUS O734 / Supply Chain Management / Hassini

BUS P727 / Strategic Knowledge Management / Bontis

SOFT ENG 6M03 / Databases / CAS Staff

COMP SCI 6WW3 / Web Systems and Web Computing / Sartipi

COMP SCI 6CD3 / Distributed Computer Systems / CAS Staff

SOFT ENG 6D03 / The Human-Computer Interface / CAS Staff

CAS 703 / Software Design / CAS Staff

CAS 704 / Embedded Real Time Software Systems / CAS Staff

CAS 730 / Machine Learning & Related Topics / Bruha

CAS 747 / Software Architecture Modeling and Reverse Engineering / Sartipi

CAS 750 / Model-Based Image Reconstruction / Anand

HRM 721 / Fundamentals of Health Research Methods & Evaluation / McKibbin, Levine

HRM 727 / Theory and Practice of Measurement / Norman

HRM 737 / Economic Analysis for the Evaluation of Health Services / Gafni

HRM 740 / Advanced Decision Analysis in Health Technology Assessment / Goeree

HRM 748 / Population & Public Health / Raina

HRM 762 / Evaluation of Health & Health Care Programs / Brazil

HRM 787 / Principles of Health Economics / Birch

HRM 788 / Health Economics / Hurley

CHS 730 / Determinants of the Health of Populations / Krueger

MED 760 / Principles of Pre-clinical Drug Discovery / Crankshaw

NUR 708 / Information & Computing Technology Application in Health: Theory and Practice / Valaitis

From: "Norm Archer" <archer@mcmaster.ca>
Subject: RE: Faculty of Business GCPC
Date: Fri, 25 Apr 2008 13:12:04 -0400
To: "Medy Espiritu" <espiritu@mcmaster.ca>
Cc: "Dr. Khaled Hassanein" <hassank@mcmaster.ca>

Hello Medy:

My apologies, but some very minor changes were required to the initial BUS K736 course description that was approved by the Business GCPC earlier this year and which will presumably be used for the MBA calendar. These changes will bring it into line with the copy now being proposed for the 2008-09 Graduate School calendar. I have attached the document showing the revised version of K736. If you wouldn't mind putting it on the agenda for the Business GCPC meeting on May 7.

Thanks

Norm Archer

Norm Archer, Ph.D.
DeGroote School of Business
McMaster University
Hamilton, Canada L8S 4M4
905-525-9140 Ext. 23944



SCHOOL OF GRADUATE STUDIES

RECOMMENDATION FOR CHANGE IN GRADUATE CURRICULUM - FOR CHANGE(S) INVOLVING COURSES

PLEASE READ THE FOLLOWING NOTES BEFORE COMPLETING THIS FORM:

1. This form must be completed for **ALL** course changes. All sections of this form **must** be completed.
2. An electronic version of this form must be emailed to the Assistant Secretary and SynApps System Administrator (Email: espiritu@mcmaster.ca).
3. A representative from the department is required to attend the Faculty Curriculum and Policy Committee meeting during which this recommendation for change in graduate curriculum will be discussed.

DEPARTMENT/PROGRAM		Information Systems/M.Sc. eHealth Program		
COURSE TITLE		Management Issues in eHealth		
COURSE NUMBER	K736	COURSE CREDIT		
		FULL COURSE ()	HALF COURSE (X)	QUARTER (MODULE) ()
INSTRUCTOR(S)		N. Archer		
PREREQUISITE(S)		Corequisite: K603 or equivalent; Registration in the M.Sc. eHealth program or permission of the instructor.		

NATURE OF RECOMMENDATION (PLEASE CHECK APPROPRIATE BOX)

NEW COURSE	DATE TO BE OFFERED: Fall 2008	WAS THE PROPOSED COURSE OFFERED ON DEAN'S APPROVAL? IF YES, PROVIDE THE DATE:
-------------------	---	---

WILL THE COURSE BE CROSS-LISTED WITH ANOTHER DEPARTMENT? YES IF YES, ATTACH TO THIS FORM ANY RELEVANT CORRESPONDENCE WITH THE OTHER DEPARTMENT(S). NOTE: CROSS-LISTING OF COURSES REQUIRES APPROVAL FROM EACH DEPARTMENT AND FACULTY CONCERNED.

CHANGE IN COURSE TITLE	PROVIDE THE CURRENT COURSE TITLE:		
CHANGE IN COURSE DESCRIPTION	X	600-LEVEL COURSE (Undergraduate course for graduate credit) Please see #4 on page 2 of this form	
CHANGE TO FULL COURSE		CHANGE TO HALF COURSE	CHANGE TO QUARTER COURSE

COURSE CANCELLATION	PROVIDE THE REASON FOR COURSE CANCELLATION:
----------------------------	---

OTHER	X	EXPLAIN: Change to Prerequisite. BUS K603 or equivalent is now required as a Corequisite to ensure that students do not take this course without suitable preparation, which can be learned in parallel if necessary.
--------------	---	---

BRIEF DESCRIPTION FOR CALENDAR - Provide a brief description (maximum 6 lines) to be included in the Graduate Calendar.

This course covers a number of topics relevant to the management of electronic health systems. The topics will be presented in an integrated manner that will promote an understanding of health system governance, project management, accountability, risk analysis, management, ethical, privacy, legal and regulatory standards, and policies. It will demonstrate real issues by focusing on a team-based case study through much of the course that covers the life cycle process of managing a project to implement an eHealth system, beginning with needs analysis and ending with implementation, evaluation, and maintenance.

CONTENT/RATIONALE - Provide a brief description, i.e., outline the topics or major sub-topics, and indicate the principal texts to be used.

Topics will include:

- eHealth services governance and issues
- Patient-centred health services, eHealth, and provider-patient relationships
- Project management principles applied throughout the eHealth system life cycle
- Legal and regulatory policies for eHealth
- Client information sharing among healthcare providers
- Characteristics of solo physician eHealth systems compared with clinical and institutional systems
- Business and clinical transformation and quality improvement
- Planning considerations for eHealth systems: alignment with business goals, human resources, training, return on investment, design, development, testing, and implementation
- Privacy, confidentiality, and security
- Governance, accountability, risk analysis and management
- Change management and provider adoption resistance, business process redesign, workflow management, vendor selection

The principal text will be "Creating Knowledge-Based Healthcare Organizations", by Nilmini Wickramasinghe et al.

<p>1. STATEMENT OF PURPOSE (How does the course fit into the department's program?)</p> <p>This is a required course in the new M.Sc. eHealth program, which is a collaborative program among Health Sciences, Engineering, and Business</p>
<p>2. EXPECTED ENROLMENT:</p> <p>30 (if offered only once each year). Includes 25 M.Sc. eHealth students plus 5 additional MBA and/or Ph.D. students from Business.</p>
<p>3. DESCRIBE IN DETAIL THE METHOD OF PRESENTATION OF COURSE MATERIAL (i.e., lectures, seminars):</p> <p>The course material will be presented through a variety of methods, including lectures (about 30%) invited speakers (about 20%), student group presentations of research reports (about 30%), and interactive discussions (about 20%).</p>
<p>4. DESCRIBE IN DETAIL THE METHOD OF EVALUATION: (For 600-level course, indicate the <u>Extra Work</u> to be required of graduate students, i.e., exams, essays, etc.)</p> <p>Midterm exam (40%), class participation (10%), written term paper (30%), term paper presentation (20%).</p>
<p>5. TO PREVENT OVERLAP, IS A COURSE IN THE SAME OR A RELATED AREA OFFERED IN ANOTHER DEPARTMENT? IF YES, PLEASE ATTACH TO THIS FORM ANY RELEVANT CORRESPONDENCE WITH THE OTHER DEPARTMENT(S).</p> <p>No</p>
<p>6. IF THE COURSE IS INTENDED PRIMARILY FOR STUDENTS OUTSIDE YOUR DEPARTMENT, DO YOU HAVE THE SUPPORT OF THE DEPARTMENT/PROGRAM CONCERNED?</p> <p>This is a required course in a joint application to OCGS from the three faculties (DeGroot School, Health Sciences, and Engineering) involved in developing the M.Sc. eHealth program. All three faculties strongly support the application.</p>
<p>PLEASE PROVIDE THE CONTACT INFORMATION FOR THE RECOMMENDED CHANGE:</p> <p>Name: Norm Archer Email: archer@mcmaster.ca Extension: 23944 Date: April 25, 2008</p>

If you have any questions regarding this form, please contact the Assistant Secretary and SynApps System Administrator, School of Graduate Studies, extension 24204.

SGS/December 2006

Health Policy

The interdepartmental, interfaculty program in Health Policy at McMaster University offers a Ph.D. in Health Policy.

To contact us:

Health Policy Ph.D. Program

Phone: 905-525-9140 Ext. 22952

Email: hpphd@mcmaster.ca

Website: <http://fhs.mcmaster.ca/hpphd/>

Staff

Distinguished University Professor

John D. Eyles, B.A., M.Sc. (L.S.E.), Ph.D. (London)

Professor

Stephen Birch, B.A. (Sheffield), M.Sc. (Bath), D.Phil. (York)

Cathy Charles, B.A., M.A. (Toronto), M.Phil., Ph.D. (Columbia)

Susan J. Elliott, B.A. (Brock), M.A., Ph.D. (McMaster)

Mita Giacomini, B.S., M.P.H., M.A., Ph.D. (California)

Jeremiah E. Hurley, B.A. (John Carroll), M.A., Ph.D. (Wisconsin-Madison)

M. Susan Watt, B.A., M.S.W., Adv. Dip. S.W. (Toronto), D.S.W. (UCLA)

Associate Professor

Julia Abelson, B.A. (Hons) (McMaster), M.Sc. (Harvard), Ph.D. (Bath)

Ivy Bourgeault, B.Sc. (Alberta), M.Sc., Ph.D. (Toronto)

Paul Contoyannis, B.Sc., D.Phil. (York)

John Lavis, M.D. (Queen's), M.Sc. (London School of Economics), Ph.D. (Harvard)

Lisa Schwartz, B.A., M.A. (McGill), Ph.D. (Glasgow)

Wayne Warry, B.A., M.A. (McMaster), Ph.D. (Australian National)

Donald Willison, B.Sc. (Toronto), M.Sc. (McMaster), Sc.D. (Harvard)

David Wright, B.A., M.A. (McGill), D.Phil. (Oxford)

Assistant Professor

Phil DeCicca, B.S. (Cornell), M.P.A. (Syracuse), M.A., Ph.D. (Michigan)

Alina Gildiner, B.A. (York), B.Sc., M.Sc., Ph.D. (Toronto)

Michel Grignon, M.Sc. (ENSAE, Paris, France), Ph.D. (Ecolo des Hautes Etudes en Sciences sociales, Paris, France)

Glen Randall, B.A., M.A., M.B.A. (McMaster), Ph.D. (Toronto)

Jean-Eric Tarride, B.A., M.A. (Toulouse), Ph.D. (Concordia)

Ph.D. Degree

The purpose of the PhD in Health Policy is to train intellectual leaders in the field who will make seminal contributions to policy understanding and practice. The curriculum provides the student with theoretical and empirical tools for answering a range of questions about health policy, and the ability to develop new investigation approaches to move the field forward. An emphasis on theoretical and conceptual frameworks for policy analysis distinguishes this program from health degrees with a primary focus on empirical methodologies or on specific substantive problems.

The PhD program integrates intellectual resources for education and research across McMaster University. Participating faculty members have appointments predominantly in departments within the Faculty of Social Sciences, the Faculty of Health Sciences, and the School of Business. Graduates with a PhD in Health Policy will be well prepared for academic appointments in interdisciplinary departments or institutes. Their training will also prepare them for fruitful engagement with policy makers as providers of useful knowledge, insightful research, and innovative solutions to policy problems. Outside of academia, graduates would be qualified for leadership positions in government, policy consulting, non-governmental organizations throughout the health sector, and private industry.

The program offers three fields of specialization: *Health Economics*, *Political Studies*, and *Social Organization*.

Health Economics: The economics field addresses the economic analysis of health policies and health systems, as well as the economic analysis of responses to health policies. Topics may include, for example, health resource allocation, configuration of health human resources, economic evaluation of policy options, public and private financing of health care, societal investments in health production, etc. The dominant disciplinary perspective is that of microeconomics, but insight into economic behaviour may also be provided by perspectives such as business, psychology, and others.

Political Studies: The political studies field emphasizes the political aspects of health policy including the influences by political institutions, actors, values, and ideas operating within state and global jurisdictions. Topics of interest, for example, may include the role of historical institutional arrangements in shaping health governance reforms, the impact of global trade agreements on domestic home care and pharmaceutical policy, the role of the public, stakeholders, and prevailing values on policy agendas, etc. Political science is the dominant disciplinary perspective, with related areas including, for example, public policy analysis and administration, comparative public policy, law, political theory and philosophy.

Social Organization: The social organization field includes social science perspectives on the institutions, organizations, culture, and society that form the social fabric of health

systems (both for health creation and health care). Topics of interest for example include the generation and use of information, professional roles and behaviour, impacts of technology, political economies of health production, etc. Disciplinary perspectives include sociology, anthropology, business administration or management, and political science.

Admission

Admission to the Ph.D. program requires previous graduate training in a relevant field (e.g., social sciences, health professions, legal or administrative professions), with at least an A- grade average in past graduate coursework. A Master's degree is preferred. At least one graduate-level statistics half-course should be passed prior to admission. Students without this preparation in statistics may be admitted, but would be required to take a graduate statistics course in addition to normal program requirements. Successful applicants must also meet all School of Graduate Studies admissions requirements. Current admissions procedures, forms, and deadlines are available on the Health Policy program website: <http://fhs.mcmaster.ca/hpphd/>

Degree Requirements

The Health Policy PhD curriculum has three parts, which will normally be completed over a four-year period: (1) coursework (first and second years), (2) comprehensive examinations (first and second years), (3) the doctoral dissertation, which involves the approval and defense of the proposal for the doctoral research (third year), dissertation research (third and fourth years), and the completion, approval, and defense of the written dissertation (fourth year).

(1) Students must complete between 15 and 36 units (5-12 half courses) of course work. Courses are chosen from the list of recommended courses for each curriculum area (listed below). Required coursework includes 3 terms of the Doctoral Seminar in Health Policy, 2-3 specialty field courses, 0-2 breadth field courses outside the student's specialty field, and 0-4 methodology courses, including both quantitative and qualitative or mixed methods.

Students without prior graduate training in a given area are required to take the maximum number of required courses for that area. Students who have completed some relevant training prior to admission may have relevant course requirements waived at the time of admission to the Health Policy PhD program. A minimum of 5 half-courses (3 doctoral seminar courses, 2 specialty field courses) may not be waived and must be completed while the student is enrolled in the Health Policy PhD program.

Doctoral seminar

3 terms of HLTH POL 711

Breadth field courses

0-2 half courses, one from each of two fields other than the student's specialty:

Health Economics: *HRM 787, *ECON/HRM 788; with program permission: *HLTH POL 750, *HLTH POL 798

Political Studies: *HRM 738, *HAS 704; with program permission: *HLTH POL 750, *HLTH POL 798

Social Organization: *SOCIOL 719, *HIST 759, *SW 710, *HRM 729; with program permission: *HLTH POL 750, *HLTH POL 798

Specialty field courses

2-3 half courses within 1 of the following 3 fields:

Health Economics: Required for all Health Economics field students, unless waived: *ECON/HRM 788, *ECON 727; Additional choices: *ECON/HRM 791, *ECON 793, *HRM 737, *HLTH POL 750, *HLTH POL 798

Political Studies: Required for all Political Studies field students, unless waived: *HRM 738; Additional choices: *POLSCI 783, *POLSCI 785, *POLSCI 702, *POLSCI 740, *HLTH POL 750, *HLTH POL 798

Social Organization: Required for all Social Organization field students, unless waived: *SOCIOL 719; Additional choices: *SOCIOL 705, *SOCIOL 718, *SOCIOL 714, *HIST 759, *HRM 729, *POLSCI 786, *ANTHRO 709, *GLOBAL 701, *GLOBAL 720/ANTHRO 720, *HLTH POL 750, *HLTH POL 798

Methodology courses

0-4 half courses, including both quantitative and qualitative or mixed methods:

Quantitative Methods: Required for Health Economics specialty field students, unless waived *ECON 761; Additional choices for students in all specialty fields: *ECON 762, *ECON 795, *ECON 770, *HRM 727, *HRM 751, *HRM 762, *HRM 723, *HRM 731, *HRM 740, *HRM 737, *POLSCI 784, *SOCIOL 740, *SOCIOL 761, *HRM 705, *HLTH POL 750, *HLTH POL 798

Qualitative Methods: *HRM 745, *HRM 748, *SOCIOL 743, *SOCIOL 742, *SOCIOL 744, *HRM 705, *HLTH POL 750, *HLTH POL 798

Mixed Methods: *HRM 700, *POLSCI 796, *HRM 770, *HLTH POL 750, *HLTH POL 798

(2) Comprehensive examinations are completed during the first and second years of full time study, as the relevant coursework requirements are completed. Students complete three required comprehensive examinations in the following areas:

- Two breadth fields outside the student's specialty area (social organization, political studies, and health economics);
- One chosen specialty area (social organization, political studies, or health economics); and,
- Research methods (qualitative and quantitative empirical approaches)

(3) All Health Policy PhD students are required to research, write, and successfully defend a doctoral dissertation, which constitutes an original contribution to knowledge in the field of health policy. The dissertation is developed and completed under the guidance of the student's primary supervisor and a dissertation supervision committee consisting of at least two additional faculty members.

- Normally by the beginning of the third year of full time study, the doctoral dissertation proposal is formally presented and defended before a committee;
- The doctoral dissertation research is normally completed during the third and fourth years of full time study, with the completion, approval, and defense of the written dissertation by the end of the fourth year.

Supervision

Each student will be assigned a provisional faculty supervisor upon admission to the program. A final faculty supervisor and a three member supervisory committee will be appointed within 6 months of the student's enrollment in the program. At least two (of three) supervisory committee members must be core faculty members of the Health Policy PhD Program. The faculty supervisor and supervisory committee provide guidance and monitor the student's progress. The supervisory committee is expected to meet with the student at least annually to assess the student's progress and to file a written progress report with the Program.

Additional Regulations

Students and prospective applicants should consult the Graduate Calendar for a complete description of regulations concerning the PhD degree and graduate studies at McMaster University.

Courses

Below are listed courses offered by the Health Policy Program. The descriptions of additional courses relevant to the curriculum are listed elsewhere in the Graduate Calendar, under the primary department or program offering the course.

HLTH POL 711 / Doctoral Seminar in Health Policy / Giacomini, Lavis

The Doctoral Seminar in Health Policy is dedicated to the advanced study of health policy problems, ideas, and analytic approaches. It provides an opportunity for doctoral students with diverse experiential, methodological, and theoretical training to focus on common interests and problems that characterize the field of health policy. The seminar will highlight the frontiers of knowledge in the field and foster interdisciplinary communication and integration.

***HLTH POL 750 / Special Topics in Health Policy / Staff**

This course explores a current health policy topic area in depth applying analytic frameworks from health economics, political studies, or social organization, as well as addressing the relationship of conceptual frameworks to empirical questions and methods in the area. Examples of possible topic areas include: decision making, comparative health systems, environmental health, regulation, privatization, health human resources, public participation, health policy ethics, technology assessment, knowledge translation, etc. Because course content varies from term to term, students should check with the instructor regarding its applicability to specific Health Policy PhD program curriculum requirements.

***HLTH POL 798 / Independent Study in Health Policy / Staff**

The Independent Study is designed to allow students to develop a course tailored to their specialized learning objectives. Students work independently under the guidance of a faculty member to read, analyze, and apply relevant literature to inquiry in health policy concepts, substantive topics, or methods. Please note that the application of this course toward Health Policy program curriculum requirements is conditional on review of the independent study plan by the Health Policy PhD program for relevance to a specialty field or methodology area outlined in the program curriculum.