

# Daniels

## 2012-2013 APPLYING TO THE KNOWLEDGE MEDIA DESIGN INSTITUTE

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## KNOWLEDGE MEDIA DESIGN (Collaborative Program)

The Knowledge Media Design Institute (KMDI) was established in 1998 as a focus for those members of the university community interested in the emerging cross-disciplinary field of knowledge media design. Knowledge media will shape the products, processes, and practices of the 21st century.

The Collaborative Program in Knowledge Media Design (KMD) provides a specialization for graduate students from a variety of academic backgrounds to engage in the design, prototyping, evaluation, and use of media intended to support and enhance the ability of individuals and groups to think, communicate, learn, and create knowledge. Students will engage with KMDI's human-centred approach to design, an approach which puts people at the heart of its practice. Students will be engaged in the design and use of new media in the context of real world practices of individuals and communities. Access to an intensely collaborative and cross-disciplinary faculty will encourage students to take a broader view of technological and social change and to be constructively critical of both technological utopians and dystopians. The goal is for students to take into account heritage and history, to understand the realities of today, and to design for tomorrow.

Students have access to a community of scholars and the network of relationships that the Institute coordinates. They gain first-hand experience of a living network of innovation; an environment in which the resources are people and knowledge and the social capital and value that are generated through collaboration.

The Collaborative Program is available to master's and Ph.D. students in one of the following graduate units:

- Architecture, Landscape, and Design
- Computer Science
- Information Studies
- Mechanical and Industrial Engineering
- Sociology

## ADMISSION REQUIREMENTS

Application should be made to one of the five participating graduate units. Applicants must meet the admission requirements of the graduate unit in which they intend to enroll. Admission will be subject to the approval of the graduate department concerned and the Program Committee of the Collaborative Program. Applicants interested in applying through the Faculty of Architecture, Landscape, and Design should apply for one of our three graduate programs—Master of Architecture, Master of Landscape Architecture, Master of Urban Design—and indicate their interest in this collaborative program on the online application form.

## PROGRAM REQUIREMENTS

1. Students are required to meet all the requirements of their home department.
2. Master's students must successfully complete KMD 1000Y and two half-courses selected from a list of electives; at least one of these half-courses must be from the KMD 2001-2004 series.
3. Collaborative program courses taken beyond KMD 1000Y may count towards the home department degree requirements or may be in addition to the degree requirements, depending on the participating department's individual program regulations.
4. Doctoral students are required to take KMD1000Y if not already taken in the master's program, one half-course from the KMD 2001-2004 series, and to have a dissertation topic in the field of knowledge media design. The thesis advisor and at least one other committee member must be from participating units.
5. The home graduate unit and the student's supervising committee will determine further requirements. The collaborating units cooperate in jointly developing a program that is individually tailored to meet the needs of each student.

Please contact [kmdi.info@utoronto.ca](mailto:kmdi.info@utoronto.ca) for further information.

Students with strong interests and skills in the emerging cross-disciplinary field of knowledge media design may apply for the Collaborative Program in Knowledge Media Design (KMD). As part of the Knowledge Media Design Institute (KMDI), the program provides a specialization

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for graduate students from a variety of academic backgrounds to engage in the design, prototyping, evaluation, and use of media intended to support and enhance the ability of individuals and groups to think, communicate, learn, and create knowledge. Students must complete KMD 1000Y and two half-courses selected from a list of electives; at least one of these half-courses must be from the KMD 2001-2004 series.

For more information about applying for the KMD Collaborative Program, go to <http://www.kmdi.utoronto.ca/graduate/apply.asp>

## COURSES OF INSTRUCTION

- KMDI
- KMD 1000Y Core Seminar in Knowledge Media Design Issues
- KMD 2002H Human-centred Design
- KMD 2002H Technologies for Knowledge Media
- KMD 2003H Knowledge Media and Learning
- KMD 2004H Knowledge Media, Culture and Society

## PARTICIPATING DEPARTMENTS

Existing courses from the participating departments that satisfy KMD requirements are listed below. This list will be updated annually. Some of the elective courses may require a significant amount of background knowledge and experience. Enrolment in such courses may require the permission of the instructor.

- ARC 1033H Architecture, Media and Communications
- C&T 1003H Comparative Literacy
- C&T 1004H Communications: History/Theory/Technology
- C&T 1005H Understanding McLuhan
- C&T 1009H New Media and Policy
- CSC 2105H Software Engineering
- CSC 2106H Requirements Engineering
- CSC 2501H Computational Linguistics
- CSC 2502H Knowledge Representation and Reasoning
- CSC 2504H Computer Graphics
- CSC 2507H Office Information Systems
- CSC 2509H Data Management Systems
- CSC 2511H Natural Language Computing
- CSC 2514H Human-Computer Interaction
- CSC 2524H Topics in Interactive Computing
- CSC 2527H The Business of Software
- CSC 2536H Computer Support Cooperative Work

- CSC 2537H Hypermedia
- FIS 1210H Information and its Social Contexts
- FIS 1230H Management of Information Organizations
- FIS 1340H Introduction to Information Systems
- FIS 1341H Analyzing Information Systems
- FIS 1342H Designing Information Systems
- FIS 1343H Database Design
- FIS 2103H Organizational Knowledge Management
- FIS 2112H Design of Electronic Text
- FIS 2149H Administrative Decision Making in Information Organizations
- FIS 2150H Advanced Management of Information Organizations
- FIS 2165H The Social Impact of Information Technology
- FIS 2169H User-Centred Information Systems Development
- JAC 1001H Media, Mind and Society I
- JAC 1002H Media, Mind and Society II
- MIE 1404H Human Factors in Information Technology
- MIE 1407H Engineering Psychology and Human Performance
- MIE 1409H Design of Ecological Interfaces
- MIE 1502H Information Technology and Systems: Management Strategies
- MIE 1504H Management of Technological Change
- SOC 6008H Network Analysis I
- SOC 6108H Network Analysis II
- SOC 6303H Field Methods
- SOC 6312H Social Aspects of Technology and Work
- SOC 6501H Research Design and Hypothesis Testing in Sociology

## QUESTIONS

If you have questions regarding the application process for the Knowledge Media Design Program, please direct them to:

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tel: 416-978-4340

or contact the Knowledge Media Design Institute at:  
[www.kmdi.utoronto.ca/graduate](http://www.kmdi.utoronto.ca/graduate) | tel: 416-946-8515