



UNIVERSITY
OF MANITOBA

Department of Chemistry

Instructor II position in Physical Chemistry

The Department of Chemistry at the University of Manitoba invites applications for a probationary appointment at the rank of Instructor II. This position will be available July 1, 2008 or as soon as possible thereafter. Applicants will normally have a M.Sc. plus a minimum of five years' experience in a similar position, or a doctoral degree in chemistry. The successful applicant will be responsible, in consultation with other faculty and support staff, for the design and delivery of second year and third year physical and theoretical chemistry laboratory programs, including preparation of the laboratory manuals and supervision of Teaching Assistants. Additional responsibilities include classroom lecturing at the undergraduate level and consulting with students in the first year Chemistry Resource Centre. The successful candidate must have the ability to manage and supervise Teaching Assistants and manage the academic and technical aspects of the laboratory operation. Knowledge of computational chemistry software packages and their application to laboratory experiments is an asset.

The Department is one of seven departments in the Faculty of Science, and currently has 20 tenured or tenure-track staff, 6 full-time academic staff at the instructor level, 12 support staff, and over 50 graduate students, post-doctoral fellows, and research associates. The Department teaches over 5000 students in laboratory programs with the majority of these being at the first and second year levels.

The Department is undergoing a period of rejuvenation with the appointment of 12 new faculty members and about the acquisition of \$15 million in funding for new infrastructure over the past 6 years. Renovations to undergraduate teaching laboratories, including a ~\$1M equipment upgrade in the teaching instrumental laboratory, will extend over several years. The physical chemistry laboratory instructor will be responsible for designing experiments which utilize new instrumentation in this laboratory. We are well equipped for research and teaching support in most branches of chemistry, including a full-time glassblower and service laboratories for NMR (300 and 500 MHz instruments and 600 MHz with solid state capability), combination FT-Raman/FT-IR spectrophotometer, mass spectrometry (EI, ESI, MALDI and ICP-MS), and materials characterization (ESCA, Auger, powder XRD, SIMS, SEM, SPM). There is excellent access to computer facilities within the Department, the University, and WestGrid. We are in close proximity to a number of national laboratories in Winnipeg including the National Microbiology Laboratory located at the Canadian Science Centre for Human and Animal Health, the International Centre for Infectious Diseases, the NRC Institute for Biondiagnostics, and the Canadian Light Source in Saskatoon. Additional collaborative opportunities are available with other Departments in the Faculty of Science and in the Faculties of Medicine, Agricultural and Food Sciences, and Human Ecology.

For further information, see our webpage at: <http://umanitoba.ca/chemistry/>

Culturally diverse and rich in recreational opportunities, Winnipeg combines the amenities of urban life with easy access to the countryside and to northern lakes and forests. Housing prices are attractive by North American standards.

The closing deadline for applications is November 15, 2007. Please refer to position number **06660** in all correspondence. Short-listed candidates will be required to give a teaching presentation on an assigned topic. Electronic applications are encouraged; MS Word or PDF preferred. Applicants should submit a curriculum vitae, a statement of teaching experience and philosophy, and the names, mailing addresses, telephone numbers and e-mail addresses of three referees, to:

Dr. Norman R. Hunter
Chair of the Search Committee
Department of Chemistry
University of Manitoba
Winnipeg, MB Canada R3T 2N2

E-mail: PhysChem_Inst@umanitoba.ca
Telephone: (204) 474-9321
Fax: (204) 474-7608

The University of Manitoba encourages applications from qualified women and men, including members of visible minorities, Aboriginal peoples and persons with disabilities. All qualified candidates are encouraged to apply, however, Canadians and permanent residents will be given priority. Application materials, including letters of reference, will be handled in accordance with the *Freedom of Information and Protection of Privacy Act* (Manitoba).