



New Program/Major or Minor/Concentration Proposal Form

(2017)

<p>1.0 Degree Title Please specify the two degrees for concurrent degree programs</p> <input type="text" value="Graduate Diploma"/>	<p>2.0 Administering Faculty/Unit</p> <input type="text" value="Graduate and Postdoctoral Studies"/>
<p>1.1 Major (Legacy= Subject)(30-char. max.)</p> <input type="text" value="Medical Radiation Physics"/>	<p>Offering Faculty/Department</p> <input type="text" value="Medicine/Medical Physics"/>
<p>1.2 Concentration (Legacy = Concentration/Option) If applicable to Majors only (30 char. max.)</p> <input type="text"/>	<p>3.0 Effective Term of Implementation (Ex. Sept. 2004 = 200409) Term</p> <input type="text" value="201809"/>
<p>1.3 Minor (with Concentration, if Applicable) (30 char. max.)</p> <input type="text"/>	

4.0 Rationale and Admission Requirements for New Proposal

This diploma program is created for students who wish to complete the course work for the existing M.Sc. in Medical Radiation Physics [52 cr.] without completing the 24-credit thesis.
Admission requirements: Candidate must hold M.Sc. or Ph.D. in Physics, Engineering Physics, Biomedical Engineering, or related discipline.
Candidate's B.Sc. must be in Physics, physics engineering, or related field.

The Medical Physics Unit offers only one program, therefore there are no low-enrolment programs to review, revise or retire.

5.0 Program Information
Please check appropriate box(es)

5.1 Program Type	5.2 Category	5.3 Level
Bachelor's Program	Faculty Program (FP)	Undergraduate
Master's	Major	Dentistry/Law/Medicine
M.Sc. (Applied) Program	Joint Major	Continuing Studies (Non-Credit)
Dual Degree/Concurrent Program	Major Concentration (CON)	Collegial
Certificate	Minor	X Masters & Grad Dips & Certs
Diploma	Minor Concentration (CON)	Doctorate
Graduate Certificate	Honours (HON)	Post-Graduate Medicine/Dentistry
X Graduate Diploma	Joint Honours Component (HC)	Graduate Qualifying
Ph.D. Program	Internship/Co-op	Postdoctoral Fellows
Doctorate Program	Thesis (T)	5.4 FQRSC (Research) Indicator
(Other than Ph.D.)	Non-Thesis (N)	(for GPS) Yes ___ No <u>X</u>
Self-Funded/Private Program	Other	5.5 Requires Resources
Off-Campus Program	Please specify	Yes ___ No <u>X</u>
Distance Education Program	<input type="text"/>	
(By Correspondence)		
Other (Please specify)		

<p>6.0 Total Credits</p> <input type="text" value="31"/>	<p>7.0 Consultation with Related Units Yes <input type="checkbox"/> No X</p> <p>Financial Consult Yes ___ No X</p> <p>Attach list of consultations.</p> <input type="checkbox"/>
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8.0 Program Description (Maximum 150 words)

The Diploma in Medical Radiation Physics is intended to provide candidates with the knowledge required to enter into the field of medical physics. The program relies on a strong fundamental science background. The diploma program is accredited as a "Certificate" by the Commission for Accreditation of Medical Physics Education Programs (CAMPEP). This is an entry-level graduate program, however, none of the courses taken in the graduate diploma can be credited towards the M.Sc. Medical Radiation Physics program once the diploma has been completed.

9.0 List of proposed program for the New Program/Major or Minor/Concentration.

If new concentration (option) of existing Major/Minor (program), please attach a program layout (list of all courses) of existing Major/Minor.

Proposed program (list courses as follows: Subj Code/Crse Num, Title, Credit weight under the headings of: Required Courses, Complementary Courses, Elective Courses)

Diploma in Medical Radiation Physics (31 credits)**Required Courses (31 credits)**

MDPH 601 Radiation Physics (3 credits)
 MDPH 602 Radiotherapy Physics (3 credits)
 MDPH 603 Laboratory Radiotherapy Physics (2 credits)
 MDPH 607 Medical Imaging (3 credits)
 MDPH 608 Laboratory - Diagnostic Radiology and Nuclear Medicine (2 credits)
 MDPH 609 Radiation Biology (2 credits)
 MDPH 612 Instrumentation and Computation in Medical Physics (3 credits)
 MDPH 613 Health Physics (2 credits)
 MDPH 614 Physics of Diagnostic Radiology (3 credits)
 MDPH 615 Physics of Nuclear Medicine (2 credits)
 MDPH 618 Anatomy and Physiology for Medical Physics (3 credits)
 PHIL643 Seminar: Medical Ethics (3 credits)

10.0 Approvals

Routing Sequence

Name

Signature

Date

Department

Jan Seuntiens, Ph.D.

[Signature]

April 3, 2018

Curric/Acad Committee

Leah Giamakis on behalf of

[Signature]

April 5, 2018

Faculty 1

Eraine Davis

[Signature]

April 5, 2018

Faculty 2

Faculty 3

CGPS

SCTP

APC

Senate

Submitted by

Name

To be completed by ARR:

Phone

CIP Code

Email

Submission Date

Existing program:**Master of Science (M.Sc.) in Medical Radiation Physics; Thesis (52 credits)**

Program Requirements

The M.Sc. program in Medical Radiation Physics provides candidates with the knowledge required to enter into the field of medical physics. The program relies on a strong fundamental science background and enables candidates to undergo further training through a clinical residency program or to further advanced graduate studies in medical physics through a Ph.D. degree. Graduates from the program typically find employment in clinical settings, academia, industry, or governmental research and regulatory agencies. The program is accredited by the Commission for Accreditation of Medical Physics Education Programs (CAMPEP).

Thesis Courses (24 credits)

MDPH 690 M.Sc. Thesis Research (24 credits)

Required Courses (28 credits)

MDPH 601 Radiation Physics (3 credits)

MDPH 602 Radiotherapy Physics (3 credits)

MDPH 603 Laboratory Radiotherapy Physics (2 credits)

MDPH 607 Medical Imaging (3 credits)

MDPH 608 Laboratory - Diagnostic Radiology and Nuclear Medicine (2 credits)

MDPH 609 Radiation Biology (2 credits)

MDPH 612 Instrumentation and Computation in Medical Physics (3 credits)

MDPH 613 Health Physics (2 credits)

MDPH 614 Physics of Diagnostic Radiology (3 credits)

MDPH 615 Physics of Nuclear Medicine (2 credits)

MDPH 618 Anatomy and Physiology for Medical Physics (3 credits)