

# PhD Mathematical Modelling and Methods Program of Study

Student's Name:	Student ID#:	Start Term:
Supervisor's Name:		

The Program of Study establishes the student's plan of courses and research which the student will follow in completing their PhD. It is the starting point for the student's record and this form sets out the student's projected plan of study for program completion. See the current course calendar for more information.

**PLEASE NOTE:** this is NOT a course registration request; you must register for your courses each term on RAMSS.

Instructions (Please print legibly):

- 1- Student makes an appointment with the Graduate Program Director prior to November 30<sup>th</sup> of the First term of registration or as soon as a change to the original Program of Study is made.
- 2- Student prints this form and brings it to the meeting with the Director. If this is a revision, you must also bring the original.
- 3- Student fills out Study objectives and Research focus or Interests.
- 4- Student and Director fill out the sections Term and Year to be Taken.
- 5- Both parties sign acknowledging that they have completed the form and that this will be the student's plan of study for the remainder of the students' academic career at Ryerson in the PhD in Mathematical Modelling and Methods program.
- 6- Director will make a copy for the student and give the original to the Graduate Program Administrator for student's file in the Program Office.

**Study Objectives in the Program:** Briefly identify what you hope to gain from this program, and any career or future study plans you may have after completing this program. Attach a separate page if necessary.

**Identify Student's Research Focus or Interest:** Briefly identify your Research Focus or Interests. Attach a separate sheet if necessary.

**Plan of Study:** Please indicate the term and year that you expect to take the courses i.e. Fall 2016 Winter 2017, Spring/summer 2018, etc.

## PhD in Mathematical Modelling and Methods Curriculum

REQUIRED COURSES			
Course Code	Course Name	Credits	Term and Year to be Taken
AM9000	PhD Seminar	Pass/Fail	To be taken 6 times Fall and Winter of 3 academic years
ELECTIVE COURSES (3 required):			
AM9001/AM8204*	Advanced / Topics in Discrete Mathematics	1	
AM9002/AM8208*	Advanced / Topics in Financial Mathematics	1	
AM9003/AM8207*	Advanced / Topics in Biomathematics & Fluids	1	
AM8201	Financial Mathematics	1	
AM8205	Applied Statistical Methods	1	
AM8206	Partial Differential Equations	1	
AM8209**	Directed Studies in Math	1	
AM8210	Mathematical Biology	1	
AM8211	Operations Research	1	
AM8212	Introduction to Fluid Dynamics	1	
AM8213	Financial Mathematics II	1	
AM8214	Computational Complexity	1	
OTHER APPROVED GRADUATE COURSES***			

\*This is a cross-listed course for both PhD and MSc students (PhD students will use course code AM900X).

\*\*Students may only take one Directed Studies course during their academic career.

\*\*\* Other Approved Graduate Courses refers to suitable graduate courses at Ryerson or other Ontario Universities, requiring approval from Graduate Program Director prior to registering.

	Signature	Date
Student		
Graduate Program Director		

