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FACULTY OF ARTS & SCIENCE
NEW PROGRAM FORM for 2010-2011 CALENDAR

1. Department or Program Mathematics

Minor program:

(4 full courses or their equivalent, including at least one full course or its equivalent at the 300+ level)

1. First year: MAT135Y1 / MAT137Y1

2. MAT223H1, MAT235Y1/MAT237Y1, MAT224H1/MAT244H1/APM236H1

Note: MAT223H1 can be taken in 1st year

3. ONE 300+-level full course or combination from: any APM, MAT, HPS390H1, HPS391H1, PSL432H1

NOTE:

1. In the major and minor programs, higher levels courses within the same topic are acceptable substitutions
2. Students planning to take specific 4th year courses should ensure they have the necessary 2nd and 3rd year prerequisites.

2. Academic Rationale

By fulfilling the requirements of the mathematics minor, students enhance the knowledge they acquire from related major or specialist programs, thus improving their chances in the job market; for example, in case of a teaching career, a mathematics minor can supply a second teachable subject.

3. Learning Outcomes

In the minor program, students acquire a background in the basic mathematical techniques of calculus (MAT135Y1/MAT137Y1, MAT235Y1/237Y1) and linear algebra (MAT223H1). They then have a choice of extending this background in the direction of calculus (analysis) through MAT244H1 along with a 3rd year APM or MAT course, or linear algebra (algebra) through MAT224H1/APM236H1 and a 3rd year MAT course.

4. Degree Objectives**a. DEPTH OF KNOWLEDGE**

Not needed

b. COMPETENCIES*i. Critical and Creative Thinking*

Not needed

ii. Communication

Not needed

iii. Information Literacy

Not needed

iv. Quantitative Reasoning

Not needed

v. Social and Ethical Responsibility

Not needed

c. AN INTEGRATIVE, INQUIRY-BASED ACTIVITY

Not needed

5. Departmental/College Resource Implications The Office of the Dean requires a statement of the resource requirements for the proposed program, and an indication of whether you can meet these requirements through your existing resources, or have received additional resources from the Dean. Please give details of the resource areas below.

Estimated Enrolment per Academic Year in this program (please explain)	All years, including 1 st and 2 nd round = 507 This figure is taken from total POST enrolment supplied by the Faculty of Arts and Science.
New courses necessary to mount for this program	0
Additional Instructor(s) Requirements	0
Teaching Assistant(s) Requirements	0
Laboratory Equipment Requirements	0
Computing Resources Requirements	0
Other	0
DELETE the statement that DOES NOT apply:	
I will provide these resources required for this Program from my existing budget.	
DATE : October 8, 2009	Name of Chair/Program Director: Kumar Murty (Professor)