



<p>1.0 Degree Title Specify the two degrees for concurrent degree programs</p> <div style="border: 1px solid black; padding: 2px; text-align: center;">Bachelor of Science</div> <p>1.1 Major (Legacy= Subject) (30-char. max.)</p> <div style="border: 1px solid black; padding: 2px;">Honours Program in Mathematics</div> <p>1.2 Concentration (Legacy = Concentration/Option) If applicable (30 char. max.)</p> <div style="border: 1px solid black; height: 20px;"></div> <p>1.3 Minor (with Concentration, if applicable) (30 char. max.)</p> <div style="border: 1px solid black; height: 20px;"></div> <p>1.4 Category</p> <table style="width: 100%; border: none;"> <tr> <td><input type="checkbox"/> Faculty Program (FP)</td> <td><input checked="" type="checkbox"/> Honours (HON)</td> </tr> <tr> <td><input type="checkbox"/> Major</td> <td><input type="checkbox"/> Joint Honours Component (HC)</td> </tr> <tr> <td><input type="checkbox"/> Joint Major</td> <td><input type="checkbox"/> Internship/Co-op</td> </tr> <tr> <td><input type="checkbox"/> Major Concentration (CON)</td> <td><input type="checkbox"/> Thesis (T)</td> </tr> <tr> <td><input type="checkbox"/> Minor</td> <td><input type="checkbox"/> Non-Thesis (N)</td> </tr> <tr> <td><input type="checkbox"/> Minor Concentration (CON)</td> <td><input type="checkbox"/> Other</td> </tr> </table> <p style="margin-left: 150px;">Please specify</p> <div style="border: 1px solid black; width: 150px; height: 20px; margin-left: 150px;"></div> <p>1.5 Complete Program Title</p> <div style="border: 1px solid black; padding: 2px;">Honours Program in Mathematics</div>	<input type="checkbox"/> Faculty Program (FP)	<input checked="" type="checkbox"/> Honours (HON)	<input type="checkbox"/> Major	<input type="checkbox"/> Joint Honours Component (HC)	<input type="checkbox"/> Joint Major	<input type="checkbox"/> Internship/Co-op	<input type="checkbox"/> Major Concentration (CON)	<input type="checkbox"/> Thesis (T)	<input type="checkbox"/> Minor	<input type="checkbox"/> Non-Thesis (N)	<input type="checkbox"/> Minor Concentration (CON)	<input type="checkbox"/> Other	<p>2.0 Administering Faculty/Unit</p> <div style="border: 1px solid black; padding: 2px; text-align: center;">Science</div> <p>Offering Faculty/Department</p> <div style="border: 1px solid black; padding: 2px; text-align: center;">Mathematics and Statistics</div> <p>3.0 Effective Term of revision or retirement Please give reasons in 8.0 "Rationale" in the case of retirement (Ex. Sept. 2004 = 200409)</p> <p>Term</p> <div style="border: 1px solid black; padding: 2px; text-align: center;">200409</div> <p>4.0 Existing Credit Weight Proposed Credit Weight</p> <div style="display: flex; justify-content: space-around;"> <div style="border: 1px solid black; width: 150px; height: 20px;"></div> <div style="border: 1px solid black; width: 150px; height: 20px;"></div> </div> <p>5.0 Description (Maximum 150 words)</p> <div style="border: 1px solid black; padding: 5px; min-height: 100px;"> <p>MATH 466 is renumbered MATH 366 with a new title.</p> </div>
<input type="checkbox"/> Faculty Program (FP)	<input checked="" type="checkbox"/> Honours (HON)												
<input type="checkbox"/> Major	<input type="checkbox"/> Joint Honours Component (HC)												
<input type="checkbox"/> Joint Major	<input type="checkbox"/> Internship/Co-op												
<input type="checkbox"/> Major Concentration (CON)	<input type="checkbox"/> Thesis (T)												
<input type="checkbox"/> Minor	<input type="checkbox"/> Non-Thesis (N)												
<input type="checkbox"/> Minor Concentration (CON)	<input type="checkbox"/> Other												

6.0 List of existing program and proposed program	
<p>Existing program (list courses as follows: Subj Code/Crse Num, Title, Credit weight, under the headings of: Required Courses, Complementary Courses, Elective Courses)</p> <div style="border: 1px solid black; height: 250px; width: 100%;"></div>	<p>Proposed program (list courses as follows: Subj Code/Crse Num, Title, Credit weight, under the headings of: Required Courses, Complementary Courses, Elective Courses)</p> <div style="border: 1px solid black; height: 250px; width: 100%;"></div>

6.0 (Continued) List of existing program and proposed program

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

HONOURS PROGRAM IN MATHEMATICS (60 credits)

Required Courses (45 credits)

MATH 235 (3) Basic Algebra
MATH 242 (3) Analysis 1
MATH 248* (3) Advanced Calculus 1
MATH 251 (3) Algebra 2
MATH 255 (3) Analysis 2
MATH 325 (3) Ordinary Differential Equations
MATH 354 (3) Analysis 3
MATH 355 (3) Analysis 4
MATH 356 (3) Probability
MATH 357 (3) Statistics
MATH 370 (3) Algebra 3
MATH 371 (3) Algebra 4
MATH 375 (3) Differential Equations
or MATH 574(4) Ordinary Differential Equations
MATH 380 (3) Differential Geometry

MATH 466 (3) Complex Analysis

(* MATH 314 may be substituted for MATH 248 if MATH 222 had to be taken in the Fall)

Complementary Courses (15 credits) selected from the following:

MATH 350 (3) Graph Theory and Combinatorics
MATH 376 Chaos and Nonlinear Dynamics
MATH 377
MATH 387 Numerical Analysis
MATH 397
MATH 470 Honours Project
MATH 480 Independent Study in Math
MATH 487 Mathematical Programming
MATH 488 Set Theory
all MATH 500 level courses;
no more than 6 credits from the following courses for which no honours equivalent exist:
MATH 204
MATH 329
MATH 338 History & Philosophy of Math
MATH 339
MATH 348 Topics in Geometry
MATH 407
MATH 423 Regression&Anal of Variance
MATH 437 Mathematical Meth in Biology
MATH 447
Honours level courses from related disciplines:
COMP 250** (3) Introduction to Computer Science
COMP 252 (3) Algorithms and Data Structures
(**COMP 250 may be preceded by COMP 202);
other courses with the permission of the department.

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

HONOURS PROGRAM IN MATHEMATICS (60 credits)

Required Courses (45 credits)

MATH 235 (3) Basic Algebra
MATH 242 (3) Analysis 1
MATH 248* (3) Advanced Calculus 1
MATH 251 (3) Algebra 2
MATH 255 (3) Analysis 2
MATH 325 (3) Ordinary Differential Equations
MATH 354 (3) Analysis 3
MATH 355 (3) Analysis 4
MATH 356 (3) Probability
MATH 357 (3) Statistics
MATH 370 (3) Algebra 3
MATH 371 (3) Algebra 4
MATH 375 (3) Differential Equations
or MATH 574(4) Ordinary Differential Equations
MATH 380 (3) Differential Geometry

MATH 366 (3) Honours Complex Analysis

(* MATH 314 may be substituted for MATH 248 if MATH 222 had to be taken in the Fall)

Complementary Courses (15 credits) selected from the following:

MATH 350 (3) Graph Theory and Combinatorics
MATH 376 Chaos and Nonlinear Dynamics
MATH 377
MATH 387 Numerical Analysis
MATH 397
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MATH 480 Independent Study in Math
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7.0 Consultation with
Related Units

Yes No

Financial Consult Yes No

Attach list of consultations.

8.0 Rationale

The number of MATH 466 is being reduced to MATH 366 and the title change has also been proposed as part of our systematic set of title changes.

9.0 Approvals

Routing Sequence	Name	Signature	Date
Department	G. Schmidt		November 30, 2004
Curric/Acad Committee			
Faculty 1			
Faculty 2			
Faculty 3			
SCTP			
GS			
APPC			
Senate			

Submitted by

Name

Phone

Email

Submission Date

To be completed by ARR:

CIP Code