Nov 06

SCHOOL OF MATHEMATICS
AND APPLIED STATISTICS

BMath,BCompSc

PROPOSED STUDENT COURSE PLAN

STUDENT NAME:

ADDRESS:

PHONE:

STUDENT NUMBER:

ADVISERS: 2006 – ……..

2007 – ……..

2008 – ……..

2009 – ……..

PREFERRED AREA:

Applied Statistics/Mathematics
(circle one)

INTENDED MATHS MAJOR:

……

Subject Choice

100 Level		200 Level		300/400 Level	
MATH187 6cp	CSCI102 6cp	MATH201 6cp	CSCI203 6cp		CSCI321 12cp
MATH188 6cp	CSCI103 6cp	MATH202 6cp	CSCI204 6cp		
MATH121 6cp	CSCI114 6cp	MATH203 6cp	CSCI212 6cp		
STAT131 6cp	CSCI124 6cp	MATH204 6cp	CSCI222 6cp		
Advanced Standing:					
Credit Points: ☐		Credit Points: ☐		Credit Points: ☐	

TOTAL CREDIT POINTS: ☐

Program of Study

	2006	2007	2008	2009
Summer Session				
Autumn Session				
Spring Session				
Credit Points				

Honours? Yes / No / Maybe

STUDENT INITIALS:

INITIALS: …….. …….. ……..

DATE: ……/……/…… ……/……/…… ……/……/……

BMath,BCompSc Proposed Student Course Plan

This form is aimed at providing a tentative schedule for your progress through the double BMath,BCompSc degree. It should also be consulted when you are re-enrolling. **You may find it easier later if you complete the plan in pencil.**

1. **Student Details**
   Please check that these are correct and fill in any missing details.

2. **Preferred Area**
   Please circle one of Applied Statistics or Mathematics so we can allocate an appropriate adviser for the rest of your degree.

3. **Intended Major**
   You should specify what subject area you plan to major in for your *BMath* degree. Please refer to the enclosed BMath,BCompSc requirements or the *University Handbook* (see the University website) for suggestions.

4. **Subject Choice**
   The compulsory subjects for the BMath,BCompSc degree have already been included on the form. You need to select the other subjects you plan to do to complete your degree. Enter the subject name and credit point value as shown by compulsory subjects already entered.

   When choosing your subjects, you must be aware of the course requirements, listed in the *University Handbook* (on the web—or see the enclosed BMath,BCompSc requirements). Important points to remember are:
   (a) No more than 60 credit points at the 100 Level.
   (b) At least one of MATH111 or MATH212
   (c) At least one (preferrably two) of MATH212, MATH222, STAT231 and STAT232.
   (d) At least 36 more of 300 Level Mathematics Schedule subjects (which may include INFO411, INFO412 and INFO413).
   (e) At least 24 more of 300 Level subjects including 12 of Computer Science subjects.
   (f) The remainder of credit points from the General Schedule.

5. **Credit Points**
   Enter the number of planned credit points for each level of study. Enter the total at the bottom. Your total MUST be at least 216 credit points.

6. **Honours?**
   Consider whether you would like to complete the Honours year. To be eligible, you need an average of at least a Credit in your undergraduate Mathematics/Statistics subjects.

7. **Program of Study**
   This is the most important section of the form, especially if you are not following the recommended program (*University Handbook*). You need to make sure you satisfy subject prerequisite and corequisite requirements.

   Arrange all the subjects you have chosen into the years you plan to attempt them. (Don't enter the credit point value per subject.) Work out the number of credit points you will attempt in each year and enter that where indicated. Aim for a "balanced" program for each year, with equal credit points attempted in Autumn and Spring Sessions.

8. **Signature**
   Each year, you must initial and date your plan after you have spoken to your Personal Academic Adviser, to indicate that you have discussed the plan with your Adviser.

Mathematics Schedule of Subjects – 2006

(for BMath and related degrees)

MATH111	Applied Mathematical Modelling 1	6	Spring
MATH121	Discrete Mathematics	6	Autumn
MATH187	Mathematics IA Part 1	6	Autumn
MATH188	Mathematics IA Part 2	6	Spring
STAT131	Statistics 1: Modelling Variation and Uncertainty	6	Autumn & Spring
MATH201	Multivariate and Vector Calculus	6	Autumn
MATH202	Differential Equations II	6	Spring
MATH203	Linear Algebra	6	Autumn
MATH204	Complex Variables and Group Theory	6	Spring
MATH212	Applied Mathematical Modelling 2	6	Spring
MATH222	Continuous and Finite Mathematics	6	Autumn
STAT231	Statistics 1A	6	Autumn
STAT232	Statistics 1B	6	Spring
MATH302	Differential Equations III	6	Spring
MATH305	Partial Differential Equations	6	Autumn
MATH312	Applied Mathematical Modelling 3	6	Autumn
MATH313	Industrial Mathematical Modelling	6	Spring
MATH317	Financial Calculus and Logistics	6	Autumn
MATH321	Numerical Analysis 3	6	Spring
MATH323	Topology and Chaos	6	Spring
MATH322	Algebra	6	Autumn
STAT304	Operations Research and Applied Probability	6	Spring
STAT332	Multiple Regression and Time Series	6	Spring
STAT333	Statistical Inference and Multivariate Analysis	6	Autumn
STAT335	Sample Surveys and Experimental Design	6	Autumn
INFO411	Data Mining and Knowledge Discovery	6	Spring
INFO412	Mathematics for Cryptography	6	Autumn
INFO413	Information Theory	6	Spring