Statistics and Operations Research

Departmental Rules

A. GENERAL RULES

RELATIONS TO OTHER RULES

STOR1

Departmental Rules should be read in conjunction with the University General Rules (G-Rules), Faculty of Science and Agriculture Rules (FSA-Rules) and school of Mathematical and computer sciences Rules (SMCS-Rules) and, expect where otherwise stipulated by the Department, should hold good for the individual programmes.

DEGREE PROGRAMMES

STOR2

2.1. Before enrolment into any of the programmes on offer by the Department, it is the responsibility of each student to acquaint him/herself with all applicable Rules.

2.2. Every student shall follow a curriculum, approved by the Head of Department, for at least the minimum period prescribed for the degree as specified under Rule G10 and Rule SMCS5.

2.3. Annual enrolment into all programmes on offer by the Department will be aligned with the Departmental enrolment planning and subject to approval by the head of the Department.

B. RULES FOR UNDERGRADUATE STUDY

PROGRAMME ENROLMENT AND COMPOSITION

STOR3

3.1. The curriculum shall extended over three years levels and be composed of a combination of modules that include at least two majors selected as explained under Rule FSA3 and Rule SMCS6.

3.1.1 Statistics with at least one of the following as joint major(s): Applied Mathematics, Computer Science, Mathematics, Operations Research.

3.1.2 Operation Research with at least one of the following as joint major(s): Applied Mathematics, Computer Science, Mathematics, or Statistics.

3.1.3 A major from another school in the Faculty may be selected, but then Rule FSA3.3 applies.

3.1.4 For a degree majoring in Statistics, credits of the following modules on offer by the Department must be successfully accumulated: SSTS011, SSTS012, SSTA012, SSTA022 and any four from SSTB031, SSTC032, SSTA031, SSTA032 and SSTB032.

3.1.5 For a degree majoring in Operations Research, credits of the following modules on offer by the Department must be successfully accumulated: SSOA012, SSOA022 and any four from SSOB031, SSOA032, SSOA031, SSOB032 and SSOC032.

3.1.6 Module titles, credit values, content and prerequisites/entry assumptions are described under Departmental Detailed Description of Modules.

3.2. STAB012/STAA012, STAC011 and STAC012 are service modules offered to departments outside the school (i.e. School of Agriculture and Environmental Sciences).

3.3. In all instances Rules FSA2.4, FSA2.5, FSA2.6 and SMCS3 will strictly apply.

ASSESSMENT AND RELATED ASPECTS

STOR4

4.1. These rules should be read in conjunction with Rules G12 to G23 and Rule FSA4.

4.2. All modules in the Department are subjected to continuous assessment, with the final mark calculated as follows: formative assessments (60%) and summative assessment (40%).

4.3. Assessment in all modules will be aligned with the Departmental assessment strategy.

4.4. Assessment criteria of each module are described under Departmental Detailed Description of Modules.

C. RULES FOR POSTGRADUATE STUDY

STOR5

5.1. The rules contained under Section A, C, D, E and F of the G-Rules of the University, Section A, C, D and E of the FSA-Rules apply.

5.2. Enrolment and renewal of registration for all postgraduate studies is subject to approval by the Head of Department and supervisor(s). In all cases Rules G10, G31.1, G44 and G54 shall apply.

BACHELOR OF SCIENCE HONOURS IN STATISTICS

STOR6

6.1. The course extends over a period of one academic year.

6.2. The minimum requirement for admission into the programme is a BSc. degree with Statistics as a major subject and average of at least 60% in third level Statistics (including Advanced Calculus and Linear Algebra).

6.3. The programme consists of four (4) modules and a supervised research project that culminates in a research report. All modules are assessed by an external assessor. The research project is continuous throughout the academic year.

6.4. Module titles, credit values, content and prerequisites/entry assumptions are described under Departmental Detailed Descriptions of Modules.

6.5. In all instances Rules G8, G9, G10, G28, G29, G30, FSA7 and SMCS5.1.2 will strictly apply.

MASTER OF SCIENCE IN STATISTICS

STOR7

7.1. The minimum requirement for admission into the programme is BSc. Hons degree in Statistics or Operations Research or equivalent. A minimum average final mark of 60% in the Honours degree is required.

7.2. In addition to those requirements above, the skills profile of potential students will be assessed and they may be required to qualify themselves with additional competencies as deemed to be essential by the department.

7.3. The MSc in Statistics or Operation research comprises a dissertation (Rule G45.1) based on the results of an approved supervised research project presented in a form suitable for publication.

7.4. Depending on the flied of research, an external supervisor(s) may be required to ensure effective supervision of the project.

7.5. In all instances Rule FSA8 and SMCS5.1.3 will strictly apply.

DOCTOR OF PHILOSOPHY IN STATISTICS

STOR8

8.1. The minimum requirement for admission into the programme is a MSc-degree in Statistics or Operations Research or equivalent.

8.2. The PhD in statistics or Operation Research comprises a thesis (Rule G57) based on the results of an approved original supervised research project presented in a form suitable for publication.

8.3. Depending on the flied of research, an external supervisor(s) may be required to suffice effective supervision of the project.

In all instances Rule FSA8 and SMCS5.1.4 will strictly apply.