BComHons (Informatics) (07240173)

Department	Informatics
Minimum duration of study	1 year
Total credits	120
NQF level	08

Admission requirements

1. Relevant BCom degree with Information Technology, Informatics or Information Systems at final-year level
2. Weighted average of at least 60% for Information Technology or Informatics or Information Systems at final-year level

Other programme-specific information

NB: The department reserves the right not to present a module if the particular expertise is not available in the department in that year.

Examinations and pass requirements

Subject to the provisions of General Academic Regulation G26, a head of department determines, in consultation with the Dean when the honours examinations in his/her department will take place, provided that:

- honours examinations which do not take place before the end of the academic year must take place before the closing date of the special exam period in the beginning of the following academic year, and all examination results must be submitted to Student Administration before the closing date of submission of marks; and
- honours examinations which do not take place before the end of the first semester may take place no later than the closing date of the exam period, and all examination results must be submitted to Student Administration on or before the closing date of submission of marks.

The head of the department determines:

- whether a candidate will be admitted to a supplementary examination, provided that a supplementary examination is granted, only once in a maximum of two prescribed semester modules or once in one year module.
- the manner in which research reports are prepared and examined in his/her department.

Supplementary examinations (if granted) cover the same subject matter as was the case for the examinations. A student may not enrol for the same module more than once, unless the dean has approved a second enrolment based on an application supported by a valid reason or motivation. Also refer to General Academic Regulation G18.3.

NB: Full details are published in each department's postgraduate information brochure, which is available from the relevant head of department. The minimum pass mark for a research report is 50%.

Subject to the provisions of G26, the subminimum required in subdivisions of modules is published in the study guides, which are available from the relevant head of department.

General information

University of Pretoria Programme Qualification Mix (PQM) verification project

The higher education sector has undergone an extensive alignment to the Higher Education Qualification Sub-Framework (HEQF) across all institutions in South Africa. In order to comply with the HEQSF, all institutions are legally required to participate in a national initiative led by regulatory bodies such as the Department of Higher Education and Training (DHET), the Council on Higher Education (CHE), and the South African Qualifications Authority (SAQA). The University of Pretoria is presently engaged in an ongoing effort to align its qualifications and programmes with the HEQSF criteria. Current and prospective students should take note that changes to UP qualification and programme names, may occur as a result of the HEQSF initiative. Students are advised to contact their faculties if they have any questions.

Curriculum: Final year

Minimum credits: 120

Core modules

Research report 780 (INF 780)

Module credits	30.00
NQF Level	08
Contact time	1 other contact session per week, 1 web-based period per week
Language of tuition	Module is presented in English
Department	Informatics
Period of presentation	Year

Module content

A research paper on a topic from the field of informatics.

Elective modules

Capita selecta 713 (INF 713)

Module credits	15.00
NQF Level	08
Prerequisites	No prerequisites.
Contact time	1 web-based period per week, 8 lectures per week
Language of tuition	Module is presented in English
Department	Informatics
Period of presentation	Semester 1 or Semester 2

Module content

This module will be used to present special, relevant topics within the expertise of the department.

Enterprise architecture 715 (INF 715)

Module credits	15.00
NQF Level	08
Prerequisites	INF 788
Contact time	1 lecture per week
Language of tuition	Module is presented in English
Department	Informatics
Period of presentation	Semester 1 or Semester 2

Module content

Enterprise Architecture (EA) involves comprehensive business frameworks that capture the complexity of modern organisations, providing a blue-print for co-ordinating and integrating all components of an organisation. The module will illustrate all the aspects of EA, discuss the need for EA as well as various frameworks, methods and techniques of EA.

Capita selecta 716 (INF 716)

Module credits	15.00
NQF Level	08
Prerequisites	No prerequisites.
Contact time	1 lecture per week
Language of tuition	Module is presented in English
Department	Informatics
Period of presentation	Semester 1 or Semester 2

Module content

This module will be used to present special, relevant topics within the expertise of the department.

Data warehousing 785 (INF 785)

Module credits	15.00
NQF Level	08
Prerequisites	No prerequisites.
Contact time	1 lecture per week, 1 other contact session per week, 1 web-based period per week
Language of tuition	Module is presented in English
Department	Informatics
Period of presentation	Semester 1 or Semester 2

Module content

• Advanced database design
• Advanced database management
• Database architectures and languages
• Data warehousing and data marts
• Current trends

Management of ICT projects 787 (INF 787)

Module credits	15.00
NQF Level	08
Prerequisites	No prerequisites.

Contact time	1 lecture per week, 1 other contact session per week, 1 web-based period per week
Language of tuition	Module is presented in English
Department	Informatics
Period of presentation	Semester 1 or Semester 2

Module content

Main emphasis will be on IS project management using a case study to get practical experience in project management.

Information systems development 788 (INF 788)

Module credits	15.00
NQF Level	08
Prerequisites	No prerequisites.
Contact time	1 lecture per week, 1 web-based period per week
Language of tuition	Module is presented in English
Department	Informatics
Period of presentation	Semester 1 or Semester 2

Module content

Study and evaluation of different systems development methodologies.

Human-computer interaction 790 (INF 790)

Module credits	15.00
NQF Level	08
Prerequisites	No prerequisites.
Contact time	1 lecture per week, 1 web-based period per week
Language of tuition	Module is presented in English
Department	Informatics
Period of presentation	Semester 1 or Semester 2

Module content

This module will be used to present special, relevant topics within the expertise of the department.

Applied data science 791 (INF 791)

Module credits	15.00
NQF Level	08
Prerequisites	No prerequisites.

Contact time	1 lecture per week, 1 other contact session per week, 1 web-based period per week
Language of tuition	Module is presented in English
Department	Informatics
Period of presentation	Semester 1 or Semester 2

Module content

In this information age a lot of data is captured every day and recorded in databases, but the wealth of this data is kept locked in the databases because relatively little mining is performed on this data. This module introduces you to data mining in terms of:
• The data mining process - how do you mine data?
• The data mining techniques - an overview of the data mining techniques that can be used;
• Practical data mining experience - a practical project mining real industry data to find unknown patterns; and
• Product overviews - product demonstrations by data mining   vendors.

Management of information systems 794 (INF 794)

Module credits	15.00
NQF Level	08
Prerequisites	No prerequisites.
Contact time	1 lecture per week, 1 web-based period per week
Language of tuition	Module is presented in English
Department	Informatics
Period of presentation	Semester 1 or Semester 2

Module content

Business process management; ERP systems; IT trends.

Regulations and rules

The regulations and rules for the degrees published here are subject to change and may be amended after the publication of this information.

The General Academic Regulations (G Regulations) and General Student Rules apply to all faculties and registered students of the University, as well as all prospective students who have accepted an offer of a place at the University of Pretoria. On registering for a programme, the student bears the responsibility of ensuring that they familiarise themselves with the General Academic Regulations applicable to their registration, as well as the relevant faculty-specific and programme-specific regulations and information as stipulated in the relevant yearbook. Ignorance concerning these regulations will not be accepted as an excuse for any transgression, or basis for an exception to any of the aforementioned regulations.

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