University of Pretoria Yearbook 2017

BISHons Information Science (12240006)

Duration of study	1 year
Total credits	120
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Admission requirements

- Any person who wishes to register at the University for the first time, or after an interruption of studies, should apply or reapply for admission. Application for admission to all programmes closes on 30 September.
- BIS in Information Science, Information and Knowledge Management, Library Science or an equivalent degree.
- A minimum average of 60% in the undergraduate studies.

Additional requirements

Consult G Regulations G.16 to G.29.

Other programme-specific information

Subject to the provisions of G Regulation G.18.3, a full-time student must complete his or her studies for an honours degree within two academic years (four semesters) and an after-hours student within three academic years (six semesters) after first registration for the degree. However, the Dean may, on the recommendation of the Head of Department concerned, extend the period of study in both cases by a maximum of two semesters.

Please Note:

The semester in which the module is offered may vary from year to year. Please see the departmental website.

Curriculum: Final year

Minimum credits: 120

Select any three electives (45 credits) in collaboration with the package organiser.

Fundamental modules

Research methodology 711 (INY 711)

Module credits	15.00
Prerequisites	No prerequisites.
Contact time	2 lectures per week
Language of tuition	Module is presented in English
Academic organisation	Information Science
Period of presentation	Semester 1

Module content

Research methodology and the application thereof to resolve research problems and to create new knowledge, is a valued advantage to any student. The module is compiled with the following objectives in mind: to instruct the student in the basic principles of research and to avail them the opportunity to execute research projects in a professional manner. Students are guided from the selection of a problem to the presentation of a complete research report with practical suggestions based on a solid theoretical framework.

Research report 734 (INY 734)

Module credits	30.00
Prerequisites	No prerequisites.
Language of tuition	Module is presented in English
Academic organisation	Information Science
Period of presentation	Year

Module content

Students are expected to write a research report (5 000-7 000 words) (10 000-12 000 words) on a topic to be selected in collaboration with the lecturers.

Core modules

Information and knowledge management (I) 713 (INY 713)

Module credits	15.00
Service modules	Faculty of Economic and Management Sciences
Prerequisites	No prerequisites.
Contact time	2 lectures per week
Language of tuition	Module is presented in English

Academic organisation	Information Science
Period of presentation	Semester 1

Module content

This module consists of two main sections. A theoretical framework of information and knowledge management will be addressed in section one. Section two covers the enablers of information and knowledge management. These include: leadership, corporate culture, organisational learning, strategy, laws and policies, measurement and information technology.

Organisation, retrieval and seeking of information 714 (INY 714)

Module credits	15.00
Prerequisites	No prerequisites.
Contact time	2 lectures per week
Language of tuition	Module is presented in English
Academic organisation	Information Science
Period of presentation	See departmental website

Module content

Information retrieval covers the problems relating to the effective storage, access, and searching of information required by individuals.
This module will introduce students to the theory and operative requirements of information organisation and retrieval and the evaluation of information retrieval systems, as well as information seeking behaviour.

Elective modules

Information ethics 715 (INY 715)

Module credits	15.00
Prerequisites	No prerequisites.
Contact time	2 lectures per week
Language of tuition	Module is presented in English
Academic organisation	Information Science
Period of presentation	See departmental website

Module content

This module focuses on the main moral issues pertaining to information and ICT, globalisation, privacy and knowledge flow. It covers amongst others the following fields: cyber warfare and terrorism; information philosophy; information security; privacy and the right to information; digital identity management; cyber law; globalisation and the impact on society.

Information and knowledge management (II) 716 (INY 716)

Module credits	15.00

Prerequisites	INY 713
Contact time	2 lectures per week
Language of tuition	Module is presented in English
Academic organisation	Information Science
Period of presentation	See departmental website

Module content

This module offers the student the opportunity to become conversant with various knowledge management programmes as well as the development, implementation and evaluation of knowledge management strategies. Knowledge representation and the development of an Intranet will be covered. New key issues in the field of knowledge management conclude this module.

Information retrieval 717 (INY 717)

Module credits	15.00
Prerequisites	No prerequisites.
Contact time	2 lectures per week
Language of tuition	Module is presented in English
Academic organisation	Information Science
Period of presentation	Semester 1 or Semester 2

Module content

"Information is continuing to grow exponentially, diversifying into many forms and media. In this complex labyrinth there is a definite need for increased effort aimed at tailoring IR performance to user demands" (Ingwersen, 1992).
In this module students will study information retrieval from a systems perspective, but with the human user in mind. Best-match and Boolean systems will be studied in some detail, focussing on the different aspects of human and machine relevance. Information seeking behaviour studies that can support the enhancement of IR performance will also be covered.

Information society 722 (INY 722)

Module credits	15.00
Prerequisites	No prerequisites.
Contact time	1 lecture per week
Language of tuition	Module is presented in English
Academic organisation	Information Science
Period of presentation	Semester 1 or Semester 2

Module content

This module evaluates approaches to and concepts of the information/knowledge society. It questions the origins and political motives for the promotion of an information/knowledge society, and examines a number of relevant themes in the literature.

Competitive intelligence (I) 726 (INY 726)

Module credits	15.00
Prerequisites	No prerequisites.
Contact time	2 lectures per week
Language of tuition	Module is presented in English
Academic organisation	Information Science
Period of presentation	Semester 1

Module content

Establishing an effective competitive intelligence programme is an integral part of every enterprise that wants to survive in the new millennium. This module focuses on the competitive nature of the business environment, the aim of competitive intelligence, Porter's Competitive Forces Model, the distinction between competitive intelligence and industrial espionage, the intelligence process as well as the tools and techniques for the development and implementation of a competitive intelligence programme.

Competitive intelligence (II) 727 (INY 727)

Module credits	15.00
Prerequisites	INY 726
Contact time	2 lectures per week
Language of tuition	Module is presented in English
Academic organisation	Information Science
Period of presentation	Semester 2

Module content

Competitive intelligence (CI) provides the decision maker with analysed information about the competitive environment, aimed at satisfying decision-making needs. This module focuses on the role of analysis in the intelligence cycle, applying analysis techniques to a case study, CI and corporate governance, the setting up of a CI capability in an organisation and the problems facing CI professionals in South Africa.

Information communication 730 (INY 730)

Module credits	15.00
Service modules	Faculty of Economic and Management Sciences
Prerequisites	No prerequisites.
Contact time	2 lectures per week
Language of tuition	Module is presented in English
Academic organisation	Information Science
Period of presentation	Semester 1 or Semester 2

Module content

Informed by the participatory approach to communication this module reflects in depth on methods for the effective communication of information. In order to achieve this, the nature on information within the context on Information Science will be investigated. Thereafter, communication media will be identified and discussed and students will learn how to create a target audience profile to determine the appropriate media and content for the dissemination of information.
Information and communication technologies (ICTs) and the communication of information will be investigated along with literacy and media literacy. The communication of information will form a central focus of this module. Therefore the role of traditional, interpersonal, as well as modern media will be addressed. The processes of creating meaningful and effective messages for the communication of information as well as intercultural communication will also be addressed.

The information published here is subject to change and may be amended after the publication of this information. The General Regulations (G Regulations) apply to all faculties of the University of Pretoria. It is expected of students to familiarise themselves well with these regulations as well as with the information contained in the General Rules section. Ignorance concerning these regulations and rules will not be accepted as an excuse for any transgression.