

List of Postgraduate modules presented by the Department of Information Science

Information Science – Honours – INY 7 modules

Research methodology 711 (INY 711)

Qualification: Postgraduate

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.

Modules credits: 15.00

Programmes

BISHons Information Science

BISHons Multimedia

BISHons Publishing

Prerequisites: No prerequisites.

Contact time: 2 lectures per week

Language of tuition: Module is presented in English

Presented by the Department of Information Science

Period of presentation: Semester 1

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

Qualification: Postgraduate

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.

Modules credits: 15.00

Programmes

BISHons Information Science

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

Presented by the Department of Information Science

Period of presentation: Semester 1

Information behaviour, retrieval and organisation 714 (INY 714)

Qualification: Postgraduate

Module content

In any context, understanding of information behaviour (i.e. information activities such as information seeking, retrieval, sharing and avoidance) is essential in the design and evaluation of information retrieval and organisation systems. This includes individual and collaborative information behaviour. Traditional and contemporary theories, models and practices of information behaviour, information retrieval and information organisation are considered in a variety of contexts reflecting contemporary interest.

Modules credits: 15.00

Programmes

BISHons Information Science

Prerequisites: No prerequisites.

Contact time: 8 meetings per semester

Language of tuition: Module is presented in English

Presented by the Department of Information Science

Period of presentation: See departmental website

Information ethics 715 (INY 715)

Qualification: Postgraduate

Module content

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

Modules credits: 15.00

Programmes

BISHons Information Science

Prerequisites: No prerequisites.

Contact time: 8 meetings per semester

Language of tuition: Module is presented in English

Presented by the Department of Information Science

Period of presentation: Semester 2

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

Qualification: Postgraduate

Module content

This module offers students the opportunity to become conversant with various knowledge management programmes as well as the development, implementation and evaluation of knowledge management strategies. It introduces students to traditional and advanced knowledge management models and frameworks, a selection of knowledge management theories, knowledge management's resiliency management role, and trending issues in the field of knowledge management.

Modules credits: 15.00

Programmes

BISHons Information Science

Prerequisites: INY 713

Contact time: 8 meetings per semester

Language of tuition: Module is presented in English

Presented by the Department of Information Science

Period of presentation: Semester 2

Data management 717 (INY 717)

Qualification: Postgraduate

Module content

The prevalence of data in almost all aspects of today's knowledge economy requires that graduates develop specific advanced competencies and skills related to the management of data and research data. The Fourth Industrial Revolution requires well managed data of reliable quality. This module addresses topics such as big data and long tail data, data life cycles, FAIR data, data curation, data quality, data visualisation, international data management standards, legal implications, citizen science, and other related issues. The re-use of data for knowledge creation, data citation as well as the storage and long-term preservation of data and research content in repositories, will also be addressed.

Modules credits: 15.00

Programmes

BISHons Information Science

Prerequisites: No prerequisites.

Contact time: 8 meetings per semester

Language of tuition: Module is presented in English

Presented by the Department of Information Science

Period of presentation: Semester 1

Fourth industrial revolution 722 (INY 722)

Qualification: Postgraduate

Module content

This module evaluates the evolution of previous industrial revolutions to the fourth industrial revolution. It compares and critiques the fourth industrial revolution in the light of concepts of the information and knowledge societies, and examines relevant themes in the literature. It also discusses the implications for knowledge workers.

Modules credits: 15.00

Programmes

BISHons Information Science

Prerequisites: No prerequisites.

Contact time: 8 meetings per semester

Language of tuition: Module is presented in English

Presented by the Department of Information Science

Period of presentation: Semester 1

Competitive intelligence (I) 726 (INY 726)

Qualification: Postgraduate

Module content

This module focuses on the theory and practice of Competitive Intelligence (CI) as a strategic tool in the workplace by examining competitive intelligence as a product, process and organisation.

Modules credits: 15.00

Programmes

BISHons Information Science

Prerequisites: No prerequisites.

Contact time: 8 meetings per semester

Language of tuition: Module is presented in English

Presented by the Department of Information Science

Period of presentation: Semester 1

Competitive intelligence (II) 727 (INY 727)

Qualification: Postgraduate

Module content

The module focuses specifically on the theory and practice of (competitive) Intelligence Analysis and a variety of aspects and techniques from related disciplines which apply to intelligence analysis. The module exposes students to new (intellectually challenging) and useful methods for conducting intelligence analysis as embedded in relevant theory and practices.

Modules credits: 15.00

Programmes

BISHons Information Science

Prerequisites: INY 726

Contact time: 8 meetings per semester

Language of tuition: Module is presented in English

Presented by the Department of Information Science

Period of presentation: Semester 2

Information communication 730 (INY 730)

Qualification: Postgraduate

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 of information within the context of 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 multiliteracy 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 undertaken.

Modules credits: 15.00

Programmes

BISHons Information Science

Service modules Faculty of Economic and Management Sciences

Prerequisites: No prerequisites.

Contact time: 8 meetings per semester

Language of tuition: Module is presented in English

Presented by the Department of Information Science

Period of presentation: Semester 1

Research report 734 (INY 734)

Qualification: Postgraduate

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.

Modules credits: 30.00

Programmes

BISHons Information Science

Prerequisites: No prerequisites.

Language of tuition: Module is presented in English

Presented by the Department of Information Science

Period of presentation: Year

Multimedia – Honours – IMY 7 modules

Multimedia research project 761 (IMY 761)

Qualification: Postgraduate

Module content

*Closed module

Development and production of a multimedia product; product life-cycle management and documentation; the student submits a proposal which is evaluated and if approved, produces a working multimedia product.

Modules credits: 30.00

Programmes

BISHons Multimedia

Prerequisites: No prerequisites.

Contact time: 2 lectures per week

Language of tuition: Module is presented in English

Presented by the Department of Information Science

Period of presentation: Year

Multimedia trends 771 (IMY 771)

Qualification: Postgraduate

Module content History of multimedia ideas and technology; current trends in multimedia, latest technologies and future trends of multimedia.

Modules credits: 15.00

Programmes

BISHons Multimedia

Prerequisites: No prerequisites.

Contact time: 1 lecture per week

Language of tuition: Module is presented in English

Presented by the Department of Information Science

Period of presentation: Semester 2

Hypermedia and mark-up languages 772 (IMY 772)

Qualification: Postgraduate

Module content

A study of hypermedia systems, specifically adaptive hypermedia systems, as well as data modelling, storage and retrieval, database structures and metadata. A study of different mark-up languages and their role in multimedia products with the emphasis on data structuring, hyper linking theories and models.

Modules credits: 15.00

Programmes

BISHons Multimedia

Prerequisites: No prerequisites.

Contact time: 1 lecture per week

Language of tuition: Module is presented in English

Presented by the Department of Information Science

Period of presentation: Semester 1

Multimedia technology 773 (IMY 773)

Qualification: Postgraduate

Module content

In this module students will research and discuss a current topic which can change from year to year. The topic for a specific year can be obtained from the departmental website. The topic is related to the creative use of Multimedia Technologies. An understanding of the current multimedia trends is required together with the knowledge of its usage.

Modules credits: 15.00

Programmes

BISHons Multimedia

Prerequisites: No prerequisites.

Contact time: 1 lecture per week

Language of tuition: Module is presented in English

Presented by the Department of Information Science

Period of presentation: Semester 1

Virtual environments 774 (IMY 774)

Qualification: Postgraduate

Module content

This module exposes students to virtual environments, ranging from fully immersive virtual reality to online virtual worlds. Starting with the notion of reality and how it is simulated, students learn about hardware, software and human factors associated with the creation and exploration of virtual environments. Students are also exposed to VE platforms and techniques, which they use to create a virtual world.

Modules credits: 15.00

Programmes

BISHons Multimedia

Service modules Faculty of Economic and Management Sciences

Prerequisites: No prerequisites.

Contact time: 1 lecture per week, 1 practical per week

Language of tuition: Module is presented in English

Presented by the Department of Information Science

Period of presentation: Semester 2

Animation theory and practice 777 (IMY 777)

Qualification: Postgraduate

Module content

This module provides an overview of the historic and current principles and practice of natural motion animation. Different animation techniques are covered, such as stop motion, traditional animation, and 3D animation. The student receives an opportunity to create an animated short film using a technique of their choice.

Modules credits: 15.00

Programmes

BISHons Multimedia

Service modules Faculty of Economic and Management Sciences

Prerequisites: No prerequisites.

Contact time: 1 lecture per week

Language of tuition: Module is presented in English

Presented by the Department of Information Science

Period of presentation: Semester 1

Human-computer interaction 779 (IMY 779)

Qualification: Postgraduate

Module content

In this module, students are exposed to research topics and methodologies within the HCI discipline. Students then apply their understanding by proposing and delivering a research paper.

Modules credits: 15.00

Programmes

BISHons Multimedia

Prerequisites: No prerequisites.

Contact time: 1 lecture per week

Language of tuition: Module is presented in English

Presented by the Department of Information Science

Period of presentation: Semester 2

Publishing – Honours – PUB 7 modules

Advanced e-publishing 712 (PUB 712)

Qualification: Postgraduate

Module content

The aim of this module is to further familiarise students with the development, economics and delivery of electronic publications. Students develop strong eproduction skills through hands-on implementation of publication workflows for various electronic publications. Students also implement a business plan for the distribution and marketing of these publications.

Modules credits: 15.00

Programmes

BISHons Publishing

Service modules Faculty of Economic and Management Sciences

Prerequisites: No prerequisites.

Contact time: 3 discussion classes per week

Language of tuition: Module is presented in English

Presented by the Department of Information Science

Period of presentation: Semester 2

Publishing management: Management and finance 722 (PUB 722)

Qualification: Postgraduate

Module content

This module focuses on the theory and practice of publishing management. Issues addressed include the following: personal skills; general management skills; financial skills; new product development; costing; editorial issues.

Modules credits: 15.00

Programmes

BISHons Publishing

Prerequisites: No prerequisites.

Contact time: 1 lecture per week

Language of tuition: Module is presented in English

Presented by the Department of Information Science

Period of presentation: Semester 1

Publishing management: Organisation and processes 723 (PUB 723)

Qualification: Postgraduate

Module content

This module focuses on the theory and practice of publishing management. Issues addressed include the following: human resources; legal skills; project management; sales and marketing; communication skills; logistics; leadership.

Modules credits: 15.00

Programmes

BISHons Publishing

Prerequisites: No prerequisites.

Contact time: 1 lecture per week

Language of tuition: Module is presented in English

Presented by the Department of Information Science

Period of presentation: Semester 2

Research project 1: The South African publishing environment 724 (PUB 724)

Qualification: Postgraduate

Module content

This module is research-based. The focus is on developments and trends impacting on the value chain and supply chain of the local book industry. The overall objective of the module is to generate research that can contribute to information on the shape and size of this cultural industry.

Modules credits: 15.00

Programmes

BISHons Publishing

Prerequisites: No prerequisites.

Contact time: 1 lecture per week

Language of tuition: Module is presented in English

Presented by the Department of Information Science

Period of presentation: Semester 1

Research project 2: The international publishing environment 725 (PUB 725)

Qualification: Postgraduate

Module content

This module is research-based. The focus is on global developments and trends impacting on book publishing as a cultural industry. The research parameters will be determined yearly by a selection of relevant global practices impacting on local developments and trends.

Modules credits: 15.00

Programmes

BISHons Publishing

Prerequisites: No prerequisites.

Contact time: 1 lecture per week

Language of tuition: Module is presented in English

Presented by the Department of Information Science

Period of presentation: Semester 2

Editorial practice: Advanced copy-editing and editorial project management 728 (PUB 728)

Qualification: Postgraduate

Module content

One of the central role players in the publishing value chain is the copy-editor, whose tasks range from copy-editing and proofreading manuscripts, to developing budgets and schedules, and managing entire publishing projects through production. This module builds on students' knowledge of and skills in editorial practice, including advanced copyediting, editorial and production project management. The module also focuses on theory of editorial practice, including editorial approaches and policies.

Modules credits: 15.00

Programmes

BISHons Publishing

Prerequisites: No prerequisites.

Contact time: 2 lectures per week

Language of tuition: Module is presented in English

Presented by the Department of Information Science

Period of presentation: Semester 1 and Semester 2

Editorial practice: List building and acquisition of rights 729 (PUB 729)

Qualification: Postgraduate

Module content

At the heart of the publishing value chain lies the commissioning editor or publisher, whose tasks range from commissioning new titles and nurturing authors, through to managing entire publishing lists and making rights acquisitions. This module builds on students' knowledge of and skills in commissioning and acquisitions, with a particular focus on strategic and financial aspects of publishing list building, and acquisition policies and procedures.

Modules credits: 15.00

Programmes

BISHons Publishing

Prerequisites: No prerequisites.

Contact time: 2 lectures per week

Language of tuition: Module is presented in English

Presented by the Department of Information Science

Period of presentation: Semester 1 and Semester 2

Book history 732 (PUB 732)

Qualification: Postgraduate

Module content

This module provides an introduction to the history of the book, examining key themes of book production, distribution, authorship and reading. Attention is also given to the development of a textual and print culture in South Africa.

Modules credits: 15.00

Programmes

BISHons Publishing

Prerequisites: No prerequisites.

Contact time: 2 lectures per week
Language of tuition: Module is presented in English
Presented by the Department of Information Science
Period of presentation: Semester 2

Master modules – INL, IMY and PUB 890

Information Science – Masters module

Big data science elective 820 (INL 820)

Qualification: Postgraduate

Module content

Five credits of an elective module can be drawn from Information Science. A module in Research Data Management (RDM) is available as an elective. The following topics would typically be covered: Open Science and the dependency on open (big) data, The research process and the life cycle of big data (data management plans to publishing derivative data sets, licensing and legal implications); managing (curating) big vs long tail data; solving problems with research data vs the business value of big data (data-intensive decisionmaking); managing data as an asset (also data citation); issues and challenges involved in the management of big data (principles and best practices for effective big data governance); trusted data repositories; data stewardship frameworks for big data; and the data steward's toolbox.

Modules credits: 5.00

Programmes

MIT Big Data Science (Coursework)

Language of tuition : Module is presented in English

Presented by: Presented by the Department of Information Science

Period of presentation : Semester 2

Dissertation: Information science 890 (INL 890)

Qualification: Postgraduate

Modules credits: 180.00

Programmes

MIS Information Science

Prerequisites: No prerequisites.

Language of tuition: Module is presented in English

Presented by the Department of Information Science

Period of presentation: Year

Multimedia – Masters module

Dissertation: Multimedia 890 (IMY 890)

Qualification: Postgraduate

Modules credits: 180.00

Programmes

MIS Multimedia

Prerequisites: No prerequisites.

Language of tuition: Module is presented in English

Presented by the Department of Information Science

Period of presentation: Year

Publishing – Masters module

Dissertation: Publishing 890 (PUB 890)

Qualification: Postgraduate

Module content A comprehensive report on an aspect of Publishing.

Modules credits: 180.00

Programmes

MIS Publishing

Prerequisites: No prerequisites.

Language of tuition: Module is presented in English

Presented by the Department of Information Science

Period of presentation: Year

MASTERS – MIT modules

Information and knowledge management 835 (MIT 835)

Qualification Postgraduate
Module credits 8.00
Prerequisites No prerequisites.
Contact time 16 contact hours per semester
Language of tuition Module is presented in English
Department Information Science
Period of presentation Semester 1

Organisational behaviour and management 841 (MIT 841)

Qualification: Postgraduate
Modules credits: 8.00
Prerequisites: No prerequisites.
Language of tuition: Module is presented in English
Presented by the Department of Information Science
Period of presentation: Semester 2

Information in perspective 843 (MIT 843)

Qualification: Postgraduate
Modules credits: 5.00
Prerequisites: No prerequisites.
Language of tuition: Module is presented in English
Presented by the Department of Information Science
Period of presentation: Semester 1

Information and knowledge management 846 (MIT 846)

Qualification: Postgraduate
Modules credits: 15.00
Programmes
MIT ICT Management (Coursework)
Prerequisites: No prerequisites.
Contact time: 10 contact hours
Language of tuition: Module is presented in English
Presented by the Department of Information Science
Period of presentation: Semester 1

Web trends in the library 865 (MIT 865)

Qualification: Postgraduate
Modules credits: 8.00
Prerequisites: No prerequisites.
Contact time: 16 contact hours per year
Language of tuition: Module is presented in English
Presented by the Department of Information Science
Period of presentation: Year

Digital repositories 866 (MIT 866)

Qualification: Postgraduate
Modules credits: 8.00
Prerequisites: No prerequisites.
Contact time: 16 contact hours per year
Language of tuition: Module is presented in English
Presented by the Department of Information Science
Period of presentation: Year

The knowledge society and international librarianship 867 (MIT 867)

Qualification: Postgraduate
Modules credits: 8.00
Prerequisites: No prerequisites.
Contact time: 16 contact hours per year

Language of tuition: Module is presented in English
Presented by the Department of Information Science
Period of presentation: Year

Facilitating information retrieval and information use 868 (MIT 868)

Qualification: Postgraduate
Modules credits: 8.00
Prerequisites: No prerequisites.
Contact time: 16 contact hours per year
Language of tuition: Module is presented in English
Presented by the Department of Information Science
Period of presentation: Year

IT systems in libraries 869 (MIT 869)

Qualification: Postgraduate
Modules credits: 8.00
Prerequisites: No prerequisites.
Contact time: 16 contact hours per year
Language of tuition: Module is presented in English
Presented by the Department of Information Science
Period of presentation: Year

Knowledge management 872 (MIT 872)

Qualification: Postgraduate
Modules credits: 8.00
Prerequisites: No prerequisites.
Contact time: 16 contact hours per year
Language of tuition: Module is presented in English
Presented by the Department of Information Science
Period of presentation: Year

Computer science in perspective 874 (MIT 874)

Qualification: Postgraduate
Modules credits: 6.00
Prerequisites: No prerequisites.
Language of tuition: Module is presented in English
Presented by the Department of Information Science
Period of presentation: Semester 1

ICT project management 877 (MIT 877)

Qualification: Postgraduate
Modules credits: 5.00
Prerequisites: No prerequisites.
Language of tuition: Module is presented in English
Presented by the Department of Information Science
Period of presentation: Semester 1

Mini-dissertation 881 (MIT 881)

Qualification: Postgraduate
Module content
The mini-dissertation is an individual report of independent research under the guidance of a supervisor for the A Stream students.
Please note: Only for the department of Information Science students.
Modules credits: 90.00
Prerequisites: MIT 862 (for A Stream students)
Language of tuition: Module is presented in English
Presented by the Department of Information Science
Period of presentation: Year

Research data management 885 (MIT 885)

Qualification: Postgraduate

Modules credits: 15.00

Programmes

MIT ICT Information Science (Coursework)

Prerequisites: No prerequisites.

Contact time: 12 contact hours

Language of tuition: Module is presented in English

Presented by the Department of Information Science

Period of presentation: Year

Institutional repositories and virtual work environments 886 (MIT 886)

Qualification: Postgraduate

Modules credits: 15.00

Programmes

MIT ICT Information Science (Coursework)

Prerequisites: No prerequisites.

Contact time: 12 contact hours

Language of tuition: Module is presented in English

Presented by the Department of Information Science

Period of presentation: Year

The knowledge society in the Fourth Industrial Revolution 887 (MIT 887)

Qualification: Postgraduate

Modules credits: 10.00

Programmes

MIT ICT Information Science (Coursework)

Prerequisites: No prerequisites.

Contact time: 8 contact hours per semester

Language of tuition: Module is presented in English

Presented by the Department of Information Science

Period of presentation: Semester 1

Information ethics 889 (MIT 889)

Qualification: Postgraduate

Modules credits: 10.00

Programmes

MIT ICT Information Science (Coursework)

Prerequisites: No prerequisites.

Contact time: 8 contact hours per semester

Language of tuition: Module is presented in English

Presented by the Department of Information Science

Period of presentation: Semester 2

Data, information and knowledge management 890 (MIT 890)

Qualification: Postgraduate

Modules credits: 15.00

Programmes

MIT ICT Information Science (Coursework)

Prerequisites: No prerequisites.

Contact time: 12 contact hours

Language of tuition: Module is presented in English

Presented by the Department of Information Science

Facilitating information retrieval and information use 891 (MIT 891)

Qualification: Postgraduate

Modules credits: 15.00

Programmes

MIT ICT Information Science (Coursework)

Prerequisites: No prerequisites.

Contact time: 12 contact hours

Language of tuition: Module is presented in English

Presented by the Department of Information Science

Period of presentation: Year

IT Research 892 (MIT 892)

Qualification: Postgraduate

Module content Basic research methodology as preparation for the mini-dissertation for the B Stream students.

Modules credits: 10.00

Programmes

MIT ICT Information Science (Coursework)

Prerequisites: This module is a compulsory requirement for admission of B Stream students to MIT 880.

Language of tuition: Module is presented in English

Presented by the Department of Information Science

Period of presentation: Semester 1

PhD Modules – BIB, INL, PUB 9 modules

Library Science – Phd – BIB module

Thesis: Library science (BIB 990)

Information Science – PhD – INL module

Thesis: Information science 990 (INL 990)

Qualification: Postgraduate

Modules credits: 360.00

Programmes

PhD Information Science

Prerequisites: No prerequisites.

Language of tuition: Module is presented in English

Presented by the Department of Information Science

Period of presentation: Year

Multimedia – PhD – IMY module

Thesis: Multimedia 990 (IMY 990)

Qualification: Postgraduate

Modules credits: 360.00

Prerequisites: No prerequisites.

Language of tuition: Module is presented in English

Presented by the Department of Information Science

Period of presentation: Year

Publishing – PhD – PUB module

Thesis: Publishing 990 (PUB 990)

Qualification: Postgraduate

Module content A comprehensive and advanced report on an approved project. Expert, highly specialised and interdisciplinary research within Publishing.

Modules credits: 360.00

Programmes

PhD Publishing

Prerequisites: No prerequisites.

Language of tuition: Module is presented in English

Presented by the Department of Information Science

Period of presentation: Year