University of Pretoria Yearbook 2022

BISHons *Multimedia* (12240007)

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

Programme information

Refer also to G16-G29.

Admission requirements

1. BIS (Multimedia) (or equivalent) degree with an average of at least 60% in the third-year Multimedia modules and an average of at least 60% in the third-year Computer Science modules **or** third-year Multimedia and Computer Science modules between 55% and 60%

Note: The applicant's academic record will be evaluated according to the completion time of the undergraduate degree, the number of modules failed and the weighted average of each year

Other programme-specific information

Subject to the provisions of G18.3, a full-time student must complete his or her studies for an honours degree within two academic years (four semesters) and a part-time student within three academic years (six semesters) after first registration for the degree. However, the Dean may, on the recommendation of the relevant head of department, extend the period of study in both cases by a maximum of two semesters.

Examinations and pass requirements

Refer also to G18 and G26.

1. The examination in each module for which a student is registered, takes place during the normal examination period after the conclusion of lectures (i.e. usually October/November or May/June).
2. G18(1) applies with the understanding that under exceptional circumstance an extension of a maximum three years may be approved: provided that the Dean, on recommendation of the relevant head of department, may approve a stipulated limited extension of this period.
3. A student must obtain at least 50% in an examination for each module where no semester or year mark is required. A module may only be repeated once.
4. In modules where semester or year marks are awarded, a minimum examination mark of 40% and a final mark of 50% is required.
5. No supplementary or special examinations are granted at postgraduate level.

Pass with distinction

The degree is conferred with distinction if students registered for the degree for the first time, complete the degree within the minimum prescribed time and pass all modules with a weighted average of 75% (not rounded).

Curriculum: Final year

Minimum credits: 120

Fundamental modules

Research methodology 711 (INY 711)

Module credits	15.00
NQF Level	08
Prerequisites	No prerequisites.
Contact time	2 lectures per week
Language of tuition	Module is presented in English
Department	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.

Core modules

Multimedia research project 761 (IMY 761)

Module credits	30.00
NQF Level	08
Prerequisites	No prerequisites.
Contact time	2 lectures per week
Language of tuition	Module is presented in English
Department	Information Science
Period of presentation	Year

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.

Applied full-stack web development 772 (IMY 772)

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	Information Science
Period of presentation	Semester 1

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.

Elective modules

Interactive technology trends 771 (IMY 771)

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	Information Science
Period of presentation	Semester 2

Module content

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

Applied interactive technology 773 (IMY 773)

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	Information Science
Period of presentation	Semester 1

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.

Virtual environments 774 (IMY 774)

Module credits	15.00
NQF Level	08
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
Department	Information Science
Period of presentation	Semester 2

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.

Animation theory and practice 777 (IMY 777)

Module credits	15.00
NQF Level	08
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
Department	Information Science
Period of presentation	Semester 1

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.

Applied human-computer interaction 779 (IMY 779)

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	Information Science

Period of presentation Semester 2

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.

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.