



University of Pretoria Yearbook 2019

PGDip Digital Innovation (07220031)

Minimum duration of study	1 year
Total credits	120
Contact	Prof MC Mathee machdel.mathee@up.ac.za +27 (0)124203365

Programme information

The duration of the programme is 12 months. The programme is presented by means of contact sessions and online delivery.

Not all postgraduate programmes are offered every year. Please consult the relevant faculty's student administration concerning the presentation of this programme.

Admission requirements

- i. Subject to the provisions of the General Regulations, the following is required for admission:
 - A relevant bachelor's degree and/or appropriate prior learning approved by the Head of the Department of Informatics;
 - Basic computer literacy is a requirement;
 - Access to the Internet;
 - At least 60% average for the modules of the final year of the bachelor's degree.
- ii. The candidates are selected, subject to the provisions of General Regulation G.1.3.
- iii. The Head of Department may set additional admission requirements. Only selected candidates will be allowed to register for the Postgraduate Diploma - Digital Innovations. The Faculty of Economic and Management Sciences reserves the right not to present the programme during a specific period or to limit the number of candidates admitted.

Additional requirements

1. The Dean has the right of authorisation regarding matters not provided for in the General Regulations or Faculty Regulations.
2. Only selected candidates will be allowed to register for a Postgraduate Diploma.
3. The department concerned reserves the right not to present a programme during a specific period or to limit the number of candidates admitted.
4. The presentation of the programme is subject to the admission of a minimum number of candidates.



Examinations and pass requirements

An examination is written in each of the modules and a minimum of 50% should be obtained in each of the modules to pass.

There are no supplementary examinations in this programme.

In calculating marks, General Regulation G12.2 applies.

Subject to the provisions of General Regulation G.26, a head of a department determines, in consultation with the Dean

- when the examinations for the Postgraduate Diploma in his/her department will take place, provided that:
 1. examinations for the Postgraduate Diploma which do not take place before the end of the academic year, must take place no later than 18 January of the following year, and all examination results must be submitted to the Student Administration by 25 January; and
 2. examinations for the Postgraduate Diploma which do not take place before the end of the first semester, may take place no later than 15 July, and all examination results must be submitted to the Student Administration on or before 18 July.
- the manner in which research reports are prepared and examined in his department. **NB:** Full details are published in each department's postgraduate information brochure, which is available from the head of department concerned. The minimum pass mark for a research report is 50%. The provisions regarding pass requirements for dissertations contained in General Regulation G.12.2 apply mutatis mutandis to research reports.

Subject to the provisions of General Regulation G.12.2.1.3, the subminimum required in subdivisions of modules is published in the study guides, which are available from the head of department concerned.

Pass with distinction

The Postgraduate Diploma is conferred with distinction if an average of at least 75% for all the modules is obtained.



Curriculum: Final year

Minimum credits: 120

Core modules

Capita selecta (Disruptive technologies) 700 (INF 700)

Module credits	15.00
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

In this module students will be introduced to disruptive technologies. The module will include topics such as the nature and unique characteristics of disruptive technologies, the identification of disruptors and the impact thereof on existing business models, as well as mechanisms to harness the opportunities and mediate the risks provided by disruptive technologies.

Research methodology 701 (INF 701)

Module credits	15.00
Prerequisites	No prerequisites.
Contact time	1 web-based period per week, 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 explains the different approaches that can be used for research in Informatics and gives practical advice with respect to carrying out limited research projects. It also assists students in selecting suitable research topics and writing research proposals in preparation for the research paper, which they will write in INF 702.

Research report 702 (INF 702)

Module credits	30.00
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

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

Human computer interaction 703 (INF 703)

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

Module content

Dramatic advances in technology have revolutionized the way that people interact with computers. This course focuses on the design and evaluation of user interfaces. Discussions will include both traditional computer systems and web-based systems.

Electronic commerce 704 (INF 704)

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

Module content

The analysis of the management, innovation and information systems aspects of the use of e-business technology and strategies.

Managing projects and end users 705 (INF 705)

Module credits	15.00
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

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



Information communication 700 (INY 700)

Module credits	15.00
Service modules	Faculty of Economic and Management Sciences
Contact time	1 lecture per week
Language of tuition	Module is presented in English
Department	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.