



School of Information Technology

Department of Informatics

Postgraduate Diploma in Digital Innovation

**Brochure
2025**

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1. PROGRAM INFORMATION

1.1. Admission requirements:

- A relevant bachelor's degree;
- 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.

The candidates are selected, subject to the provisions of General Regulation G.1.3.

The Head of Department may set additional admission requirements.

A limited number of applicants are admitted to the Postgraduate Diploma – Digital Innovation (PGDipDI) Programme. The decision of the Admission Committee is final!

- Only applicants who comply with the requirements set out in this document will be considered for selection. However, the achievement of the minimum requirements does not guarantee admission as only a limited number of students can be accommodated.

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. A minimum of 120 credits must be obtained.

You need a laptop/PC and internet access off campus for on-line/take home assignment purposes.

1.2. Study duration

The duration of the PGDDI is one year. According to University regulations, any module completed more than **five years** previously will not be recognised and such module will have to be repeated.

1.3. Modules

All modules are presented by the Department of Informatics **except INY 700** which is presented by the Department of Information Science. You will attend classes with BCom(INF) Honours and BIS(IT) Honours students. Your modules are also part of these Honours programmes but with different module codes.

Each module carries 15 credits, with the exception of the research paper module (INF702), which carries 30 credits. Overall a minimum of 120 course credits must be obtained. The NQF rating for the PGDDI is **8**.

Module code	Description	Semester	Corresponding module code in other degrees
INY 700	Information communication 700	1	INY 730/INY 430
INF 700	Disruptive technologies 700	1	INF 713
INF 702	Research Paper 702	Year	INF 780

INF 703	Human Computer Interaction 703	1	INF 790
INF 705	Management of ICT projects 705	2	INF 787
INF 706	Management of Information Systems 706	2	INF 794
INF 707	ICT4D 707	2	INF 716

2. LECTURERS' DETAILS (SUBJECT TO CHANGE)

INY700	Information communication 700	Dr Brenda van Wyk Ms N Ramosoeu	Brenda.vanwyk@up.ac.za nthabiseng.ramosoeu@up.ac.za	012420 2961
INF700	Disruptive technologies	Dr M Wa Nkongolo Dr N Lakha	Mike.wankongolo@up.ac.za Neetu.lakha@up.ac.za	5422 3798
INF702	Research Project	Prof M Hattingh Prof H Smuts	Marie.hattingh@up.ac.za Hanlie.smuts@up.ac.za	5322 3798
INF703	Human Computer Interaction	Prof F Adebesein Dr L Weilbach	Funmi.adebesein@up.ac.za Lizette.weilbach@up.ac.za	5667 3376
INF705	Management of ICT projects	Dr L Weilbach Prof M Matthee	Lizette.weilbach@up.ac.za Machdel.matthee@up.ac.za	3376 3365
INF706	Management of Information Systems	Dr D Oluwadele Prof W Daramola	Deborah.oluwadele@up.ac.za Wande.daramola@up.ac.za	3709 2591
INF707	ICT4D	Prof T Mawela Prof M Turpin	Tendani.mawela@up.ac.za Marita.turpin@up.ac.za	6484 5351

3. MODULE DESCRIPTION

3.1. INY 700: Information Communication 700 (Contact the Department of Information Science for Date, Time & Venue)

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 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.

3.2. INF 700 Disruptive Technologies 700

Module Content: In this module students will be introduced to Digital Disruption. The module will include topics such as the nature and unique characteristics of Digital Disruption, 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 Digital Disruption

3.3. INF 702 Research project 702

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

3.4. INF 703 Human Computer Interaction 703

Module Content: Technology is usually created for people to use. It should therefore be designed in a way that allows the user to perform the intended tasks successfully, with the least amount of effort and with as much joy as possible. The primary aim of this module is to equip students with knowledge and skills on how to design ICT systems that are usable and give users the best possible experience. You will learn how to use formal user experience (UX) and usability design and testing methods. More importantly, you will learn how to understand the intended user. We will also delve into fields such as cognitive psychology and social media, and you will gain practical skills on the use of eye tracking technologies to evaluate usability and UX. Students will be required to carry out compulsory practical eye-tracking evaluations (approx. 6 hours) in the UX lab.

South Africa is an advanced user of Information Technology, and work opportunities for graduates have never been problematic. There is currently a huge increase in demand for HCI/UX specialists in the country and on successful completion of this module, you will be able to market yourself as an HCI/UX practitioner, in addition to all the other skills you will have as an Honours graduate.

3.5. INF 705 Management of ICT projects 705

Module Content: This module delves into the distinctive realm of information technology (IT) project management, extending beyond conventional project management principles. By combining theoretical foundations with practical insights, the module offers a comprehensive introductory perspective on the fundamental concepts, skills, tools, and techniques essential for effective project management. Emphasising the synergy between adept project management and proficient software utilisation, the course equips participants with the knowledge needed to navigate the intricacies of managing projects, with a specific focus on IT projects. The content encompasses key aspects and methodologies relevant to the ten Knowledge Areas outlined in the Project Management Body of Knowledge (PMBOK), providing a holistic understanding of project management in the IT domain.

3.6. INF706 Management of Information Systems 706

Module Content: Management of Information Systems educates graduate students to manage information systems effectively and creatively by applying process thinking to solve large-scale and complex process challenges facing the business enterprise. The course focuses on how information systems can be applied so that different functional areas can work better together to achieve the organization's goals.

Through the Management of Information Systems, students:

- Discover how unintegrated information systems fail to support business processes that cut across functional area boundaries;
- Learn to use process thinking to understand the managerial and technical aspects of process automation, process improvement and process reengineering;
- Learn about the role of corporate and IT governance in IT enabled business process changes;
- Participate in rigorous classroom assignments and projects;
- Learn to see information systems and business operations in new ways; and
- Innovate, lead and manage organizational change from a process thinking perspective.

3.7. INF707 ICT4D 707

Module Content: The ICT4D module will focus on different ways in which ICTs can be deployed for the sake of socio-economic development. It considers various means to provide people with **access** to ICT, and to empower them to **use** ICTs for their own socio-economic benefit.

Some examples of ICT4D initiatives are:

- Providing public access in rural communities, such as telecentres or free Wi-Fi
- The use of mobile technologies in education in rural areas
- Mobile or e-health applications in developing communities
- Empowering entrepreneurs and emerging farmers
- E-government in developing countries

4. TIME TABLE: **SUBJECT TO CHANGE**

4.1. First Semester 2025

Note that **INY 700** is presented by **Department of Information Science**. The lectures for this module will be on **Thursday afternoons but the time and dates will be announced on the module ClickUP page**. It is the responsibility of students to confirm the starting date/time of INY 700 on the module ClickUP page.

Class attendance is compulsory. Class attendance is compulsory. Unannounced class activities that contribute to the semester/year mark may be scheduled by lecturers. Students that miss a class activity will NOT have another opportunity to make up for it.

DATES 2025 FIRST SEMESTER	COURSE CODE	COURSE NAME	VENUE
<u>MEETING 1</u>			Check ClickUP
Fr 14 Feb 09:30-11:00	INF790/703	HCI	IT Building, Room 2-27
Fr 14 Feb 11:15-12:45	INF780/702	Research Paper	IT Building, Room 2-27
LUNCH HOUR 12:45-13:30			
Fr 14 Feb 15:15-16:45	INF713/INF700	Disruptive Technology	IT Building, Room 2-27
<u>MEETING 2</u>			
Fr 28 Feb 09:30-11:00	INF790/703	HCI	IT Building, Room 2-27
Fr 28 Feb 11:15-12:45	INF780/702	Research Paper	IT Building, Room 2-27
LUNCH HOUR 12:45-13:30			
Fr 28 Feb 15:15-16:45	INF713/INF700	Disruptive Technology	IT Building, Room 2-27
<u>MEETING 3</u>			
Fr 7 March 09:30-11:00	INF790/703	HCI	IT Building, Room 2-27
Fr 7 March 11:15-12:45	INF780/702	Research Paper	IT Building, Room 2-27
LUNCH HOUR 12:45-13:30			
Fr 7 March 15:15-16:45	INF713/INF700	Disruptive Technology	IT Building, Room 2-27
<u>MEETING 4</u>			
Fr 28 March 09:30-11:00	INF790/703	HCI	IT Building, Room 2-27
Fr 28 March 11:15-12:45	INF780/702	Research Paper	IT Building, Room 2-27
LUNCH HOUR 12:45-13:30			
Fr 28 March 15:15-16:45	INF713/INF700	Disruptive Technology	IT Building, Room 2-27
<u>MEETING 5</u>			
Fr 4 April 09:30-11:00	INF790/703	HCI	IT Building, Room 2-27
Fr 4 April 11:15-12:45	INF780/702	Research Paper	IT Building, Room 2-27
LUNCH HOUR 12:45-13:30			
Fr 4 April 15:15-16:45	INF713/INF700	Disruptive Technology	IT Building, Room 2-27
<u>MEETING 6</u>			
Fr 25 April 09:30-11:00	INF790/703	HCI	IT Building, Room 2-27
Fr 25 April 11:15-12:45	INF780/702	Research Paper	IT Building, Room 2-27
LUNCH HOUR 12:45-13:30			
Fr 25 April 15:15-16:45	INF713/INF700	Disruptive Technology	IT Building, Room 2-27
<u>MEETING 7</u>			
Fr 9 May 09:30-11:00	INF790/703	HCI	IT Building, Room 2-27
Fr 9 May 11:15-12:45	INF780/702	Research Paper	IT Building, Room 2-27
LUNCH HOUR 12:45-13:30			
Fr 9 May 15:15-16:45	INF713/INF700	Disruptive Technology	IT Building, Room 2-27

MEETING 8			
Fr 23 May 09:30-11:00	INF790/703	HCI	IT Building, Room 2-27
Fr 23 May 11:15-12:45	INF780/702	Research Paper	IT Building, Room 2-27
LUNCH HOUR 12:45-13:30			
Fr 23 May 15:15-16:45	INF713/INF700	Disruptive Technology	IT Building, Room 2-27
INDUSTRY DAY			
Fr 30 May 07:45 – 18:00	COMPULSORY – RAUTENBACH HALL		

4.2. Second semester 2025

Class attendance is compulsory. Class attendance is compulsory. Unannounced class activities that contribute to the semester/year mark may be scheduled by lecturers. Students that miss a class activity will NOT have another opportunity to make up for it.

DATES 2025	COURSE CODE	COURSE NAME	VENUE
FIRST SEMESTER			
MEETING 1			CHECK CLICKUP
Fr 25 July 07:45-09:15	INF716/707	ICT4D	IT Building, Room 2-27
Fr 25 July 09:30-11:00	INF780/702	Research project	IT Building, Room 2-27
Fr 25 July 11:15-12:45	INF794/INF706	Management of Information Systems	IT Building, Room 2-27
LUNCH HOUR 12:45-13:30			
Fr 25 July 13:30-15:00	INF787/705	Management of ICT projects	IT Building, Room 2-27
MEETING 2			
Fr 8 Aug 07:45-09:15	INF716/707	ICT4D	IT Building, Room 2-27
Fr 8 Aug 09:30-11:00	INF780/702	Research project	IT Building, Room 2-27
Fr 8 Aug 11:15-12:45	INF794/INF706	Management of Information Systems	IT Building, Room 2-27
LUNCH HOUR 12:45-13:30			
Fr 8 Aug 13:30-15:00	INF787/705	Management of ICT projects	IT Building, Room 2-27
MEETING 3			
Fr 22 Aug 07:45-09:15	INF716/707	ICT4D	IT Building, Room 2-27
Fr 22 Aug 09:30-11:00	INF780/702	Research project	IT Building, Room 2-27
Fr 22 Aug 11:15-12:45	INF794/INF706	Management of Information Systems	IT Building, Room 2-27
LUNCH HOUR 12:45-13:30			
Fr 22 Aug 13:30-15:00	INF787/705	Management of ICT projects	IT Building, Room 2-27
MEETING 4			
Fr 5 Sept 07:45-09:15	INF716/707	ICT4D	IT Building, Room 2-27
Fr 5 Sept 09:30-11:00	INF780/702	Research project	IT Building, Room 2-27
Fr 5 Sept 11:15-12:45	INF794/INF706	Management of Information Systems	IT Building, Room 2-27
LUNCH HOUR 12:45-13:30			
Fr 5 Sept 13:30-15:00	INF787/705	Management of ICT projects	IT Building, Room 2-27
MEETING 5			
Fr 3 Oct 07:45-09:15	INF716/707	ICT4D	IT Building, Room 2-27
Fr 3 Oct 09:30-11:00	INF780/702	Research project	IT Building, Room 2-27

Fr 3 Oct 11:15-12:45	INF794/INF706	Management of Information Systems	IT Building, Room 2-27
LUNCH HOUR 12:45-13:30			
Fr 3 Oct 13:30-15:00	INF787/705	Management of ICT projects	IT Building, Room 2-27
MEETING 6			
Fr 17 Oct 07:45-09:15	INF716/707	ICT4D	IT Building, Room 2-27
Fr 17 Oct 09:30-11:00	INF780/702	Research project	IT Building, Room 2-27
Fr 17 Oct 11:15-12:45	INF794/INF706	Management of Information Systems	IT Building, Room 2-27
LUNCH HOUR 12:45-13:30			
Fr 17 Oct 13:30-15:00	INF787/705	Management of ICT projects	IT Building, Room 2-27
MEETING 7			
Fr 31 Oct 07:45-09:15	INF716/707	ICT4D	IT Building, Room 2-27
Fr 31 Oct 09:30-11:00	INF780/702	Research project	IT Building, Room 2-27
Fr 31 Oct 11:15-12:45	INF794/INF706	Management of Information Systems	IT Building, Room 2-27
LUNCH HOUR 12:45-13:30			
Fr 31 Oct 13:30-15:00	INF787/705	Management of ICT projects	IT Building, Room 2-27
MEETING 8			
Fr 7 Nov 07:45-09:15	INF716/707	ICT4D	IT Building, Room 2-27
Fr 7 Nov 09:30-11:00	INF780/702	Research project	IT Building, Room 2-27
Fr 7 Nov 11:15-12:45	INF794/INF706	Management of Information Systems	IT Building, Room 2-27
LUNCH HOUR 12:45-13:30			
Fr 7 Nov 13:30-15:00	INF787/705	Management of ICT projects	IT Building, Room 2-27

4. 2025 – EXAM DATES AND VENUES

Please note that your semester mark may not be lower than 40% for you to be admitted to the exam. There is also a sub-minimum of 40% on the exam mark in order to pass. Your final mark should be at least 50% in order to pass the course. **No supplementary exams or aegrotats will be granted.**

4.1. First Semester 2025- Exam (To be Communicated on ClickUP and Student Portal)

INY 700 (INY 730/INY 430)	Information Communication			
INF700 (INF713/	Disruptive technologies			
INF703 (INF 790)	Human Computer Interaction			

4.2. Second Semester 2025- Exam (To be Communicated on ClickUP and Student Portal)

INF702 (INF780)	Research Paper			
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INF707 (INF716/INF416)	ICT4D			
INF705 (INF787/INF487)	Management of ICT projects			
INF706 (INF794/INF494)	Management of Information Systems			

5. EXAMINATION PASS REQUIREMENTS

A minimum semester mark of 40% is required in order to be admitted to the final examinations in all the prescribed modules of the PGD in DI. A sub-minimum of 40% is required in order to pass the exam for each module. A final mark of at least 50% is required to pass a module. **No supplementary exams or aegrotats will be granted.**

6. PASS WITH DISTICTION

The PGDipDI will be conferred with distinction on students who meet the following requirements:

- Obtain a Grade Point Average of at least 75% including at least 75% for the research module (INF 702), and
- Complete the degree within the minimum prescribed period (**one year**), and
- Only the final mark of the first attempt to pass the modules will be considered, and
- The GPA will not be rounded up to a whole number.

7. PRESCRIBED BOOKS

Subject	Prescribed / Recommended	ISBN	Title	Authors
INF702 (INF780)	Prescribed	9781412902243	Researching Information Systems and Computing	Briony J Oates
INF 702 (INF780)	Prescribed	9781473967014	Doing a systematic review (2 nd edition)	Boland, A., Cherry, M.G.
INF705 (INF787)	Prescribed	9781133627227	Information Technology Project Management	Schwalbe, Kathy
INF 703 (INF790)	Recommended	9781119547259	Interaction design: Beyond human-computer interaction (5th edition)	Sharp, Preece, & Rogers

8. E-MAIL ADDRESS POLICY

It is the policy of the University of Pretoria to supply all students who study at the University with a life-long e-mail address. The format of this standard e-mail address is: snumber@tuks.co.za

The official communication medium with students of the University is via the Student Portal. This is accessible through the University's Homepage.

Every year during registration a student has the opportunity to save an alternative "forwarding" e-mail address to which the student's e-mail can be sent. This e-mail address will then be set up as the "forwarding" address.

Should the student want to change the e-mail address after registration it can be changed on the Student Portal.

You are therefore encouraged to change and/or correct your e-mail address personally on the Student Portal as and when necessary. The Faculty Administration no longer has access to make changes to a student's email after registration.

9. REGISTRATION INFORMATION

The steps to register for this qualification are given below:

- Register at www.up.ac.za/online-registration after application have been approved and you have received an Official Admissions letter by e-mail. This letter will also be available on your Student Portal – Student Centre – Communication.
- An on-line contract will also be available on your Student Portal (Student Portal – on-line contract). Complete the form – down load – sign – and hand in the original at Client Service Centre or courier it to the University.
- Pay your registration fee – (Use your student nr as reference)
- After 24 hours it should reflect on the system.
- Registration, Financial Unsuitable, Hold, etc. problems please contact Faculty Administration (Lerato Krappie at lerato.krappie@up.ac.za)
- Registration: Online-only, from the 4th of January 2025

8.1. Study fees

Please consult: <https://www.up.ac.za/student-fees>

FEES

Rose.malinga@up.ac.za

Komane.lehong@up.ac.za

Fee Inquiries: Email: ssc@up.ac.za

Please ALWAYS include your student number in all communication to UP.

FULL FINANCIAL INFORMATION: <https://www.up.ac.za/student-fees>

(Payment arrangements, banking details, 2,5% discount, family rebate, when to pay what, how to view the account, residences, parents, summer school, discontinuation of studies, how to change/remove/add modules, students studying with a bursary and more handy financial information)

How to view your account:

<https://www.up.ac.za/student-fees/article/2735975/statement-of-account>

When to pay what:

<https://www.up.ac.za/student-fees/article/2735925/when-to-pay-what->

Payments made and not reflecting on the account: Please forward proof of payment to: payments@up.ac.za I can unfortunately not trace or allocate payments. Payments may take up to 5 days to reflect.

9.2. Administration Contacts

General Enquiries: **Mrs Rhona van der Merwe** (rhona.vandermerwe@up.ac.za or 012 420-6321).
Informatics.up.ac.za/postgrad

PGDipDI Academic Coordinator: **Dr Funmi Adebesein** (funmi.adebesin@up.ac.za)

EMS administrative officer:

MS LERATO KRAPPİE

Office: EMS 1-5 FOYER

Telephone: 012 420 5387

E-mail: lerato.krappie@up.ac.za

Fax: 012 420 3063

International queries & “hold”:

Mrs Jenny Lambinon – jenny.lambinon@up.ac.za

Mr Smart Maqubela – smart.maqubela@up.ac.za

9.3. Deregister and/or adding of subjects

Deregister and/or adding of subjects must be done at **Faculty**. Please keep in mind that it must be done within 2 weeks after the semester had started.

10. PLAGIARISM

What is plagiarism?

You commit plagiarism when in any written work you use another person’s words, ideas or opinions without acknowledging them as being from that other person. You do this when you copy the work word-by-word (verbatim); or submit someone else’s work in a slightly altered form (such as changing a word with one meaning to another word with the same meaning); and you do not acknowledge the borrowing in a way that shows from whom or where you took the words, ideas or reasoning.

You must provide references whenever you quote (use the exact words), paraphrase (use the ideas of another person, in your own words) or summarise (use the main points of another’s opinions, theories or data).

It does not matter how much of the other person's work you use (whether it is one sentence or a whole paragraph), or whether you do it unintentionally or on purpose. If you present the work as you own without acknowledging that person, you are committing theft. Because of this, plagiarism is regarded as a very serious contravention of the University's rules which can lead to expulsion from the University.

Even if another student gives you permission to use one of his or her past assignments or other research to hand in as you own, you are not allowed to do it. It is another form of plagiarism. You are also not allowed to let anybody copy your work with the intention of passing it off as his/her work.

While academic staff must teach you about systems of referencing, and how to avoid plagiarism, you too need to take responsibility for your own academic career. Speak to your lecturer if you are at any stage uncertain as to what is required. Information brochures on this topic are also available at the library: <https://library.up.ac.za/plagiarism>