School of Information Technology

Department of Informatics

Postgraduate Diploma in Digital Innovation

Brochure
2021

POSTGRADUATE DIPLOMA IN DIGITAL INNOVATION (07220031 Digital Innovation) UNIVERSITY OF PRETORIA 2021: Program[1]

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PROGRAM INFORMATION

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.

Only selected candidates will be allowed to register for the Postgraduate Diploma – Digital Innovation. 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.

Modules

Module code	Description	Semester	Corresponding module code in other degrees
INY 700	Information communication 700	1	INY 730/INY 430
INF 700	Capita Selecta (Disruptive technologies) 700	2	INF 713/ INF 413
INF 702	Research Paper 702	Year	INF 780
INF 703	Human Computer Interaction 703	1	INF 790/ INF 490
INF 705	Management of ICT projects 705	2	INF 787/ INF 487
INF 706	Management of Information Systems 706	2	INF 794/ INF 494
INF 707	ICT4D	2	INF 716/ INF 416

LECTURERS' DETAILS

INY700	Information communication 700	**Ms Lisa Thompson**	Lisa.thompson@up.ac.za	0124203965
INF700	Capita Selecta - (Disruptive technologies)	Prof A Gerber	Aurona.gerber@up.ac.za	0124205984
INF702	Research Project	**Prof M Matthee** Dr L Weilbach	Machdel.matthee@up.ac.za Lizette.weilbach@up.ac.za	0124203365 0124203376
INF703	Human Computer Interaction	**Dr F Adebesin** Ms K Coleman	Funmi.adebesin@up.ac.za Kalley.coleman@up.ac.za	0124205667 0124203798
INF705	Management of ICT projects	**Prof H Smuts** Dr R Steyn	Hanlie.smuts@up.ac.za Riana.steyn@up.ac.za	0124206814 0124203144

INF706	Management of Information Systems	**Prof R Naidoo** Dr H Pretorius	Rennie.naidoo@up.ac.za Henk.pretorius@up.ac.za	012420335 0124203368
INF707	ICT4D	**Prof M Turpin** Dr T Prinsloo	Marita.turpin@up.ac.za Tania.prinsloo@up.ac.za	0124205351 0124205855

MODULE DESCRIPTION

INY 700: Information Communication 700

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.

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.

INF 700 Disruptive Technologies 700

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

INF 702 Research project 702

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

INF 703 Human Computer Interaction 703

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.

INF 705 Management of ICT projects 705

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

INF706 Management of Information Systems 706

INF794/INF706/INF494 Management of Information Systems

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 the business operations in new ways; and
- innovate, lead and manage organizational change from a process thinking perspective.

INF707 ICT4D 707

ICT for development.

TIME TABLE

First Semester 2021

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 later.

DATES 2021 FIRST SEMESTER	COURSE CODE	COURSE NAME	VENUE
MEETING 1			
Fr 5 March 11:15-12:45	INF790/703	HCI	Sanlam Auditorium Conf. Centre 1-23
Fr 5 March 13:30-15:00	INF780/702	Research Paper	Sanlam Auditorium Conf. Centre 1-23
MEETING 2			
Fr 19 March 11:15-12:45	INF790/703	HCI	IT Building, Room 2-27
Fr 19 March 13:30-15:00	INF780/702	Research Paper	IT Building, Room 2-27
MEETING 3			
Fr 16 April 11:15-12:45	INF790/703	HCI	IT Building, Room 2-27
Fr 16 April 13:30-15:00	INF780/702	Research Paper	IT Building, Room 2-27
MEETING 4			
Fr 30 April 11:15-12:45	INF790/703	HCI	IT Building, Room 2-27
Fr 30 April 13:30-15:00	INF780/702	Research Paper	IT Building, Room 2-27
MEETING 5			
Fr 7 May 11:15-12:45	INF790/703	HCI	**Online**
Fr 7 May 13:30-15:00	INF780/702	Research Paper	**Online**
MEETING 6			
Fr 21 May 11:15-12:45	INF790/703	HCI	Sanlam Auditorium Conf. Centre 1-23
Fr 21 May 13:30-15:00	INF780/702	Research Paper	Sanlam Auditorium Conf. Centre 1-23
MEETING 7			
Fr 4 June 11:15-12:45	INF790/703	HCI	Sanlam Auditorium Conf. Centre 1-23
Fr 4 June 13:30-15:00	INF780/702	Research Paper	Sanlam Auditorium Conf. Centre 1-23
MEETING 8			
Fr 18 June 11:15-12:45	INF790/703	HCI	IT Building, Room 2-27
Fr 18 June 13:30-15:00	INF780/702	Research Paper	IT Building, Room 2-27

Second semester 2021

DATES 2021 FIRST SEMESTER	COURSE CODE	COURSE NAME	VENUE
MEETING 1			
Fr 20 Aug 07:45-09:15	INF716/707	ICT4D	JJ Theron L/Hall
Fr 20 Aug 11:15-12:45	INF787/705	Management of ICT projects	JJ Theron L/Hall
LUNCH HOUR 12:45-13:30			
Fr 20 Aug 13:30-15:00	INF794/706	Management of Information Systems	JJ Theron L/Hall
Fr 20 Aug 15:15-16:45	INF713/700	Disruptive Technologies	JJ Theron L/Hall
Fr 20 Aug 17:00- 18:30	INF780/702	Research project	JJ Theron L/Hall
INDUSTRY DAY			
27 August 07:45 – 17:00		Virtual - Online	
MEETING 2			
Fr 3 Sept 07:45-09:15	INF716/707	ICT4D	Sanlam Auditorium Conf. Centre 1-23

Fr 3 Sept 11:15-12:45	INF787/705	Management of ICT projects	Sanlam Auditorium Conf. Centre 1-23
LUNCH HOUR 12:45-13:30			
Fr 3 Sept 13:30-15:00	INF794/706	Management of Information Systems	Sanlam Auditorium Conf. Centre 1-23
Fr 3 Sept 15:15-16:45	INF713/700	Disruptive Technologies	Sanlam Auditorium Conf. Centre 1-23
Fr 3 Sept 17:00-18:30	INF780/702	Research project	Sanlam Auditorium Conf. Centre 1-23
MEETING 3			
Fr 17 Sept 07:45-09:15	INF716/707	ICT4D	IT Building, Room 2-27
Fr 17 Sept 11:15-12:45	INF787/705	Management of ICT projects	IT Building, Room 2-27
LUNCH HOUR 12:45-13:30			
Fr 17 Sept 13:30-15:00	INF794/706	Management of Information Systems	IT Building, Room 2-27
Fr 17 Sept 15:15-16:45	INF713/700	Disruptive Technologies	IT Building, Room 2-27
Fr 17 Sept 17:00-18:30	INF780/702	Research project	IT Building, Room 2-27
MEETING 4			
Fr 1 Oct 07:45-09:15	INF716/707	ICT4D	Sanlam Auditorium Conf. Centre 1-23
Fr 1 Oct 11:15-12:45	INF787/705	Management of ICT projects	Sanlam Auditorium Conf. Centre 1-23
LUNCH HOUR 12:45-13:30			
Fr 1 Oct 13:30-15:00	INF794/706	Management of Information Systems	Sanlam Auditorium Conf. Centre 1-23
Fr 1 Oct 15:15-16:45	INF713/700	Disruptive Technologies	Sanlam Auditorium Conf. Centre 1-23
Fr 1 Oct 17:00-18:30	INF780/702	Research project	Sanlam Auditorium Conf. Centre 1-23
MEETING 5			
Fr 15 Oct 07:45-09:15	INF716/707	ICT4D	IT Building, Room 2-27
Fr 15 Oct 11:15-12:45	INF787/705	Management of ICT projects	IT Building, Room 2-27
LUNCH HOUR 12:45-13:30			
Fr 15 Oct 13:30-15:00	INF794/706	Management of Information Systems	IT Building, Room 2-27
Fr 15 Oct 15:15-16:45	INF713/700	Disruptive Technologies	IT Building, Room 2-27
Fr 15 Oct 17:00-18:30	INF780/702	Research project	IT Building, Room 2-27
MEETING 6			
Fr 29 Oct 07:45-09:15	INF716/707	ICT4D	IT Building, Room 2-27
Fr 29 Oct 11:15-12:45	INF787/705	Management of ICT projects	IT Building, Room2-27
LUNCH HOUR 12:45-13:30			
Fr 29 Oct 13:30-15:00	INF794/706	Management of Information Systems	IT Building, Room2-27
Fr 29 Oct 15:15-16:45	INF713/700	Disruptive Technologies	IT Building, Room 2-27
Fr 29 Sept 17:00-18:30	INF780/702	Research project	IT Building, Room 2-27
MEETING 7			
Fr 5 Nov 07:45-09:15	INF716/707	ICT4D	Sanlam Auditorium Conf. Centre 1-23
Fr 5 Nov 11:15-12:45	INF787/705	Management of ICT projects	Sanlam Auditorium Conf. Centre 1-23
LUNCH HOUR 12:45-13:30			
Fr 5 Nov 13:30-15:00	INF794/706	Management of Information Systems	Sanlam Auditorium Conf. Centre 1-23
Fr 5 Nov 15:15-16:45	INF713/700	Disruptive Technologies	Sanlam Auditorium Conf. Centre 1-23
Fr 5 Nov 17:00-18:30	INF780/702	Research project	Sanlam Auditorium Conf. Centre 1-23
MEETING 8			
Fr 12 Nov 07:45-09:15	INF716/707	ICT4D	IT Building, Room 2-27
Fr 12 Nov 11:15-12:45	INF787/705	Management of ICT projects	IT Building, Room 2-27
LUNCH HOUR 12:45-13:30			

Fr 12 Nov 13:30-15:00	INF794/706	Management of Information Systems	IT Building, Room 2-27
Fr 12 Nov 15:15-16:45	INF713/700	Disruptive Technologies	IT Building, Room 2-27
Fr 12 Nov 17:00-18:30	INF780/702	Research project	IT Building, Room 2-27

2021 – EXAM DATES AND VENUES

INY 700 (INY 730/INY 430)	Information Communication	To be arranged by Department of Information Science		

First Semester 2021 **SUBJECT TO CHANGE**

INF703 (INF 790/INF 413)	Human Computer Interaction	Tuesday, 13 July 2020	14:00-17:00	CBT Lab
Second Semester 2021 **SUBJECT TO CHANGE**				
INF702 (INF780)	Research Paper	***Monday, 19 November 2021*** ***No late submission will be accepted***	***12:00***	Dept.
INF700 (INF713/INF 413)	Capita Selecta (Disruptive technologies)	Tuesday, 23 November 2021	14:00-17:00	CBT Lab
INF707 (INF716/INF416)	ICT4D	Friday, 26 November 2021	14:00-17:00	CBT Lab
INF705 (INF787/INF487)	Management of ICT projects	Tuesday, 30 November 2021	14:00-17:00	CBT Lab
INF706 (INF794/INF494)	Management of Information Systems	Friday, 7 December	14:00-17:00	CBT Lab

PRESCRIBED BOOKS

Subject	**Prescribed** / Recommended	ISBN	Title	Authors
INF705	**Prescribed**	9781133627227	Information Technology Project Management	Schwalbe, Kathy

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)

Study fees

The estimate fee for the PGD in DI for **2020** was about R32 660. More information on study fees can be found at https://www.up.ac.za/student-fees

Fees Requirements:

Ms Sophy Seefane – sophy.seefane@up.ac.za
Mr Frans Mothogoane – frans.mothogoane@up.ac.za
Ms Komane Lehong – komane.lehong@up.ac.za

Administration Contacts

Administrative officer: Ms Lerato Krappie – lerato.krappie@up.ac.za 012 420 5387
Office : EMS Building, Room 1-12

International queries & "hold":

Mrs Jenny Lambinon – jenny.lambinon@up.ac.za
Mrs Wiida le Roux – wiida.leroux@up.ac.za

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.

MS LERATO KRAPPIE
Office: EMS 1-5 FOYER
Telephone 012 420 5387
E-mail: lerato.krappie@up.ac.za

Fax: 012 420 3063

GENERAL INFORMATION

1. 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.
2. **Class attendance is compulsory**.
3. Registration: Online only, from the 4th of January 2021
4. Classes start on 5 March 2021.
5. Student contracts – Original document must be handed in at Client Services Centre or courier.
6. Enquiries: Mrs Rhona van der Merwe (rhona.vandermerwe@up.ac.za or 012 420-6321).
   Informatics.up.ac.za/postgrad
7. Each course carries 15 credits, with the exception of the research paper which carries 30 credits. Overall a minimum of 120 course credits must be obtained. The NQF rating for the PGD in DI is **8.**
8. 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.
9. You need a laptop/PC and internet access off campus for on-line/take home assignment purposes