



Graduate School of Public and Development Management  
University of the Witwatersrand

**DEGREE PROGRAMMES AND  
SHORT COURSES IN -  
ICT, POLICY, REGULATION,  
MANAGEMENT, DEVELOPMENT  
& SOCIETY**

**2009 – 2011**

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## INTRODUCTION

The LINK Centre situated at the Graduate School of Public and Development Management at the University of the Witwatersrand is a research and teaching centre focused on public interest research. Its work provides the basis for a number of degree programmes and certificate courses in the broad field of ICT in its relationship to policy, regulation, development and management.

The following degree, certificate and short courses are offered:

Degrees, Certificates and Short Courses	Brief Description
1) <b>Master of Management (Research)</b>	<ul style="list-style-type: none"> <li>• Postgraduate degree</li> <li>• 100% research report</li> <li>• <b>Applications close 15 January 2009</b></li> </ul>
2) <b>Master of Management (ICT Policy and Regulation)</b>	<ul style="list-style-type: none"> <li>• Postgraduate degree</li> <li>• 50% research report</li> <li>• <b>Applications close 15 January 2009</b></li> </ul>
3) <b>Multi Disciplinary Certificate in CIO Practice</b>	<ul style="list-style-type: none"> <li>• Postgraduate level</li> <li>• Composite examined project</li> <li>• Timeframe - 5 weeks, block release over 5 months</li> <li>• <b>Applications close 15 February 2009</b></li> </ul>
4) <b>Certificate in Telecommunications Policy, Regulation and Management</b>	<ul style="list-style-type: none"> <li>• Undergraduate level</li> <li>• No research report required</li> <li>• Timeframe - 3 weeks, block release over 3 months</li> <li>• <b>Applications close 15 February 2009</b></li> </ul>
5) <b>eGovernance/ICT for Managers in Local Government</b>	<ul style="list-style-type: none"> <li>• Short course</li> <li>• 15 hours duration over 2 consecutive weeks</li> <li>• <b>Applications close 15 March 2009</b></li> </ul>

To register for any of the above programmes, please contact the persons whose names appear in the brochure.





## THE WITS GRADUATE SCHOOL OF PUBLIC AND DEVELOPMENT MANAGEMENT

The Graduate School of Public and Development Management (P&DM) has, since its inception in 1993, been at the cutting edge of public and development management training and research. Today Wits P&DM offers a range of postgraduate degree and certificate programmes, including a number of ICT-focused programmes, and offers quality management education for leaders and decision-makers. As a student you will have access to academics with a practical understanding and knowledge of public and development management, public policy content and processes, cutting-edge research, and innovative teaching and learning strategies aimed at enhancing your professional skills and knowledge.

### *Mission*

Growing management and leadership for public service, development and democratic governance, through:

- Promoting learning through excellence in teaching and mentoring;
- Facilitating social dialogue to enhance policy formation and implementation;
- Fostering research to ensure quality academic output for social and economic development;
- Collaborating with African and international academic communities to create and disseminate knowledge;
- Providing support to practitioner communities;
- Ensuring that the fundamental tenets of academic freedom and practice are always respected.

The LINK Centre is a hub of academic teaching and research in the ICT arena in order to develop ICT knowledge and capacity in the Southern African region. For more than ten years, LINK has provided ICT policy and regulatory training through its acclaimed professional development Certificate in Telecommunications Policy, Regulation and Management. It has also provided training programmes for, inter alia, the Commonwealth Telecommunications Organisation, South Africa's

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Parliamentary Portfolio Committee on Communications and to ICT regulators, operators and others on the African continent.

For further information on the School see:  
<http://web.wits.ac.za/Academic/CLM/PDM/>

and for the LINK Centre, see:  
<http://link.wits.ac.za>



## MASTER OF MANAGEMENT BY RESEARCH & DISSERTATION

This is a postgraduate degree conducted exclusively by research. The minimum period of study for MM-Research is one year in the case of full-time study, and two years in the case of part-time study (unless special permission is given to complete the degree in three years for part-time study). The degree itself is awarded on the basis of a thesis and successful fulfilment of an attendance requirement that may include prerequisite courses (depending on your background).

A regular seminar of research with doctoral students is part of the attendance requirement, and this provides an opportunity for you to share knowledge, receive informed feedback, and practise presenting your work. Assistance is provided by P&DM staff in all aspects of the thesis experience, particularly academic writing, networking (locally and internationally), and practical skills associated with research methods and publications.

The MM thesis typically ranges from 40,000 to 60,000 words. It is examined by your supervisor, one internal examiner and one external examiner. In terms of the University rules, the key criterion for the award of the MM Research degree is appropriate scholarship in the area under study.

For the first year of study, you should reside in or near Johannesburg, so that you can attend the methodology seminars and the prescribed courses (if you are required to do so), contribute to the seminars, and consult with your supervisor in preparing the long proposal or thesis.



### *Stages of MM by dissertation study*

The MM by dissertation has been broken into a number of stages:

- Application
- Preparation
- Research
- Submission
- Examination
- Graduation

More information is provided on each of the stages of study.

### *Fees 2009*

Approximately R 8 000 per annum for part-time students. Fees brochure for 2009 awaited.

To register please contact:

**Luci Abrahams**, email [lucienne.abrahams@wits.ac.za](mailto:lucienne.abrahams@wits.ac.za)



## MASTER OF MANAGEMENT (ICT POLICY AND REGULATION)

This is a postgraduate degree comprising of 10 modules and a 50% research report, offered over 24 – 36 months part-time.

Information and communications technology (ICT) policy and regulation play critical roles in shaping the markets, services and technologies that increasingly define future information societies. This innovative sector requires ongoing review and analysis, together with interventions appropriate to the social, political and economic challenges facing developing countries. Technological convergence of previously distinct sectors presents significant future challenges for government policymakers, managers and for the ICT industry.

### *Objectives*

- To develop graduates with a sound foundation in the theoretical bases for various approaches to ICT policy and regulation and a good working knowledge of the ICT policy and regulatory field, with emphasis on convergence;
- To develop graduates capable of producing high quality research as contributions to company/institutional-level strategy and business design; or national ICT policy.

### *Audience*

The audience includes the national and provincial policy departments; regulatory bodies; fixed and mobile operators; local governments planning to offer municipal broadband infrastructure and services; and NGOs operating in the sector.

### *Curriculum*

The curriculum aims to build multiple competencies critical for policy and institutional management. These include skills in policy research and analysis, policy design and management of the ICT regulatory environment.



### *Structure and delivery*

The programme is comprised of eight compulsory modules, a choice of one elective, a research methods course and a research report. The research report accounts for 50% of the assessment. It allows the candidate to specialise in a selected area related to his/her particular interests or work experience.

#### **(a) Compulsory modules**

The eight compulsory modules comprise two fundamental courses: Global Trends Affecting ICT Regulation, and ICT Technologies. These provide the contextual and technological foundation, giving both global and African/South African perspectives. The six compulsory modules translate this foundation into practical and applicable skills and expertise:

- Market Structures of the ICT Industry
- ICT Policy, Law and Institutions
- Approaches to Regulation, including Interconnection and Tariff Regulation
- Universality and Quality of Service Regulation
- Telecommunications Resources Allocation and Control
- Costing and Pricing

#### **(b) Elective modules**

Students have the opportunity to specialise by selecting an elective course from:

- Telecommunications Market Analysis
- ICT Applications
- Policy Frameworks for the Digital Economy
- Policy Monitoring and Evaluation
- Broadcasting Policy and Regulatory Trends
- Selected modules offered by the Wits Law School

#### **(c) Research Report**

In order to obtain the degree, you are required to complete a research project and submit a 40 000 – 60 000 word research report. The aim of the research project is to challenge the student to apply analytical and practical research techniques to a topic

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chosen from his/her area of specialisation. The student will be assigned a supervisor who will support and guide the preparation of the research report. The learning objective of the report is to give the student the opportunity to self-manage a problem-solving exercise.

### *Admission Requirements*

As well as an honours degree or equivalent, the student will need to have at least three years relevant work experience. RPL (recognition of prior learning) may be requested on an individual basis. All applicants are required to complete an admissions test, which assesses comprehension, writing skills, numerical ability and conceptual and abstract thinking. Selection decisions are made on the basis of a holistic assessment of the following criteria:

- A bachelor's degree with honours, or with postgraduate diploma or equivalent, preferably in the field of information and communications technologies, achieved at a suitable level;
- At least three years' working experience in an appropriate field;
- Satisfactory completion of the admissions test measuring ability on cognitive, arithmetic and general reasoning.

### *Fees 2009*

Cumulative fees approximately R 45 466 over a period of 3 years. Please note that there will be fee increases in the second and third years based on the university fee structure.

For further information, please contact: **Charley Lewis (degree convenor)**

Phone: +27-11-717-3784

email: [charley.lewis@wits.ac.za](mailto:charley.lewis@wits.ac.za)

Web: <http://link.wits.ac.za/training/training4.html>



## MULTI DISCIPLINARY CERTIFICATE IN CIO PRACTICE

This is a four-week postgraduate certificate programme, April to September on a block release basis.

### *Course Objectives & Content*

The CIO should have a combination of strong technical, business and leadership skills. This certificate programme covers topics relating to technology, strategic (C-level) management, business and human capital and the CIO's landscape.

BLOCK	MODULE	COURSE	DESCRIPTION
Block 1	Module 1	<b>CIO's landscape – economic, regulatory and political</b>	Includes: Operating in a 'network knowledge economy'; introduction to ICT policy & regulation; convergence and new media in information societies; managing talent
	Module 2	<b>Management of Software Delivery</b>	Includes: software acquisition; build versus buy; risk management in software delivery; software development lifecycle; effect of technology trends on procurement decisions
Block 2	Module 3	<b>Strategic Management &amp; Leadership</b>	Includes: strategic IS management; planning and leadership; development of IS strategy; change management; mapping and prioritising the Applications Portfolio
	Module 4	<b>Selected Topics</b>	The module includes new topics such as 'green IT' or CMMI. Capability Maturity Model Integration is a model used to measure the maturity of an organisation's processes.
Block 3	Module 5	<b>Management and Control of the ICT Organisation</b>	Includes: Information, organisation and control; organising and leading the IT function; IT operations and management processes; a portfolio approach to IT development.
Block 4	Module 6	<b>Case Study Syndicate Report &amp; Presentation</b>	



### *Audience & Admission Requirements*

Senior /middle-level managers who see their career path as a CIO or equivalent senior position. Students should possess a graduate qualification with honours or suitable equivalent and experience in IT management.

### *Fees 2009*

The fee of R 29 500 excluding VAT includes tuition, a copy of prescribed text book “Managing Information Technology”, instruction material, lunches and refreshments during the ‘block release weeks’ of the course.

To register, contact **Tennyson Mashiloane** +27 11 717 1188  
Or email [Tennyson.mashiloane@wits.ac.za](mailto:Tennyson.mashiloane@wits.ac.za)



## CERTIFICATE IN TELECOMMUNICATIONS POLICY, REGULATION AND MANAGEMENT (TPRM)

How many digits does it take to dial you? Who (un)bungled the local loop? Is number portability just excess baggage? Was the Convergence Act really about convergence? Why is broadband such a trickle? The LINK Centre's programme will give you an in-depth understanding of these issues – and more.

This is a postgraduate level introductory programme, run as a 3-week block release programme over 3 consecutive months.

### *Course Objectives*

To enable students to, inter alia,

- demonstrate an understanding of the policy and regulatory environment for the telecommunications and broadcasting industries in South Africa;
- demonstrate an understanding of information and communications technologies and the policy implications of these technologies;
- understand the essential drivers of reform locally and internationally, including the impact of globalisation and convergence.

### *Content: Telecommunications Policy, Regulation and Management*

A Certificate in Telecommunications Policy, Regulation and Management is awarded to candidates who attend the following three modules (120 hours) and who successfully complete the required individual and syndicate group assignments. A certificate of attendance is awarded to candidates who do not complete the required assignments, or who attend only certain modules.

- **Module 1:** ICT Technologies and Markets
- **Module 2:** International ICT Trends, Organisations and Developments
- **Module 3:** Telecommunications and Broadcasting Policy, Law and Regulation



*Fees 2009*

The fee of R 18 500 excluding VAT includes tuition, instruction material, lunches and refreshments during the 'block release weeks' of the course.

To register, contact **Tennyson Mashiloane** +27 11 717 1188  
or email [Tennyson.mashiloane@wits.ac.za](mailto:Tennyson.mashiloane@wits.ac.za)



## eGOVERNANCE / ICT FOR MANAGERS IN LOCAL GOVERNMENT

This is a short course of 15 hours duration offered over two (2) consecutive weeks during June or July. As a short course, no certificate is awarded.

### *Course Objectives*

- To enable managers in provincial and local government to critically apply the concept of a 'network knowledge economy' to their mandates
- To enable managers to focus on the inter-relationships between information and communications technologies, social and economic development
- To build an understanding of the manager's role in relation to utilising ICT for social and local economic development

### *Course Content*

- I. South Africa as an emerging 'network knowledge economy': Digital cities, eDevelopment and the Gauteng global city region
- II. Network infrastructure: telecommunications, broadband, ICT infrastructure, the "wealth of networks"
- III. ICT applications in government – a review of applications from South Africa and abroad
- IV. eGovernance for social and local economic development
- V. Group exercise: Presentations

### *Fees 2009*

The fee of R 7 500 excluding VAT includes tuition, instruction material, and refreshments during the evenings of the course.

For further information, contact **Luci Abrahams** at [Lucienne.abrahams@wits.ac.za](mailto:Lucienne.abrahams@wits.ac.za)

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