

ADVANCED DIPLOMA IN

DISASTER MANAGEMENT

STUDY CODE: 5201

STUDY AIMS

The main aim of the programme is to provide aspiring disaster management students or those who may have future disaster management responsibilities, training in a holistic approach towards disaster management to enable them to manage all kinds of disasters by implementing proactive disaster management strategies in terms of relevant legislation, policies and directives, and effectively co-ordinate relief and recovery programs. Students will have an understanding of the principles and practices of disaster management.

- Students register under the code **5201**

ADMISSION

(a) A student must have a minimum of 3 year degree of NQF Level 7 from any field

of study

(b) A minimum average of 60% must be obtained in the final year of study

(c) The student must prove to the departmental head that he/she has adequate

knowledge to justify admission to this study.

(d) Students who do not have the minimum requirements must apply through RPL

(Recognition of Prior Learning)

Admission is subject to a selection process. Qualification and experience in the disaster management field will be an added advantage.

Method of presentation, evaluation and examination

(a) Candidates will have three formal contact sessions of plus or minus five days each year. During the first contact session, candidates will be orientated and will receive all module material.

(c) The programme consists of eight compulsory subjects and a field visit in one of the subjects.

(d) The programme requires practical assignments to be completed by candidates and submitted at predetermined dates. Assignments will be marked and graded by the lecturers, who will give candidates feedback in a written format and also orally during contact sessions. Assignments will be part of a continuous evaluation process. Apart from the assignments a formal examination evaluation (written) will take place at the end of each semester, normally during June and November.

The Post Graduate Diploma in Disaster Management contains 120 credits and is prerequisite to the Masters Degree in Disaster Management

Compulsory modules Credits First Semester

Module Code Subject

DIM601 Research Methodology 15
DIM602 Hazards and Disaster Management 15
DIM603 Strategic Disaster Management 15
DIM604 Disaster Management principles and practices 15

Second Semester

Module Code Subject

DIM605 Disaster Risk Management 15
DIM606 Information Technology in Disaster Management 15
DIM607 Public Health 15
DIM608 Management of natural and human-made disasters 15

CONTENTS OF MODULES

DIM601 - Research Methodology (15 credits)

Development of knowledge and skills of candidates to conduct qualitative and quantitative research. Planning, design and management of practical research.

Understanding participatory action research (PAR). Construct and present a project

proposal for mini-dissertation. *There will be a compulsory practical exercise in DIM 601 Research Methodology. On completion of participation in this exercise students will receive a 10% mark which is part of the final mark.*

DIM602 - Hazards and Disaster Management (15 credits)

Understand disaster hazards and how they pose disaster threats. Categories and

characteristics of disaster threats. Learning about environmental and other hazards;

identification, description and management of all potential hazards that may occur in the area of responsibility.

DIM603 - Strategic Disaster Management (15 credits)

Understanding the application of the principles and procedures of strategic management in the domain of disaster management. Strategic management

principles, methods and tools. Develop strategic thinking in the field of disaster management. Improving the quality of humanitarian environmental assessment, planning, organising, leadership and monitoring and evaluation of all role-players in disaster management.

DIM604 - Disaster Management principles and practices (15 credits)

Consider most important factors that need attention for the implementation of Disaster Management. National and International Disaster Management Legislation, key factors, principles and ethics consideration for effective planning, controlling, co-ordinating, monitoring and implementing Disaster Management.

DIM605 - Disaster Risk Management (15 credits)

Execution of a qualitative and quantitative risk and vulnerability assessment. Integrated risk and resources assessment. Hazard mapping. Determining of potential disaster losses. Establish levels of acceptable risk. Utilising GIS as a means to manage risk and vulnerability assessment.

DIM606 - Information Technology in Disaster Management (15 credits)

Understanding the link between decision making and information. Understanding and classify information systems that can have an impact on the dynamic disaster environment. Demonstrate the process of the development of a Management Information System. Understand the concept of simulation in decision-making for disaster management. Demonstrate how different information technologies could be used in disaster management.

DIM607 - Public Health (15 credits)

Understanding concepts related to Public Health with regard to biological, community health and psycho-social and certain mental health implications of disasters. Biological warfare, Veterinary risks; Epidemiology: Community assessment, infection control and prevention disease. Handling and management of health risks during disasters and/or conflict. Psycho-social aspect of HIV/AIDS and Mental health burnout.

DIM608 - Management of natural and human-made disasters (15 credits)

Understanding the critical common factors in responding to disasters. Demonstrate the management principles of at least four natural and four human-made disasters. Assessing of hazards and risk. Vulnerability analysis. Determining the potential impacts of disasters. Social-, economics and environmental impact.

Formulating of hazard and risk reduction strategies. Formulating prevention and mitigation strategies.

*Previously, this qualification was Advanced University Diploma (NQF Level 7) and has been changed to Post Graduate Diploma (NQF Level 8). This change has been submitted to the CHE in terms of the HEQF alignment process. The new qualification is subject to final approval by the CHE.

MAGISTER IN DISASTER MANAGEMENT M. Disaster Management **STUDY CODE: 5703**

INFORMATION

STUDY AIMS

The main aim of the programme is to provide disaster management practitioners, or those who may have future disaster management responsibilities, training in a holistic approach towards disaster management to enable them to manage all kinds of disasters by implementing proactive disaster management strategies in terms of relevant legislation, policies and directives, and effectively co-ordinate relief and recovery programs.

- Students register under the code **5704**

REGULATIONS

Nota Bene: The general regulations in respect of Master's degrees (General Regulations A79 to A107 applies *mutatis mutandis* to this faculty).

Reg. H26(a) - Admission

(a) See General Regulation A80.

(b) In addition to the provisions of General Regulation A80, a candidate who wishes to enrol for the Master in Disaster Management must have one of the following:

(i) A disaster management honours degree or equivalent from any other institute

(Minimum 120 Credits, NQF Exit Level 8) with an average pass of 60%.

- (ii) A disaster management postgraduate diploma from UFS or any other institute
(Minimum 120 Credits, NQF Exit Level 8) with an average pass of 60%.
- (iii) The student must prove to the departmental head that he/she has adequate knowledge to justify admission to this study.
- (iv) Practical and/or preparatory experience will be an added advantage.
- (v) Student must submit a research proposal together with the application

Nota Bene: An Executive Committee of UFS would assess the extent, nature and suitability of experience. /or preparatory studies mentioned above.

Reg. H27(a) - Method of presentation, evaluation and examination

- (a) See General Regulations A86, A94, A95, A96.
- (b) Candidates will have two formal contact sessions of plus or minus five days each year. During the first contact session, candidates will be orientated and will receive study materials.
- (c) The programme consists of eight electives of which a student should elect a minimum of two subjects. Each elective consist of practical assignments to be completed by candidates and submitted at predetermined dates. Assignments will be marked and graded by the lecturers, who will give candidates feedback in a written format and also orally during contact sessions. Assignments will be part of a continuous evaluation process.
- (d) The programme also consists of a compulsory research project reported in an extended research essay format.
- (e) A formal and compulsory theoretical and Practical examination will take place at the end of the semester (except for the year subject)

Reg. H28(a) - Year mark and pass mark

- (a) See General Regulations A92 and A93.
- (b) A semester mark for admission to the examination is required for all the theoretical modules.
- (c) The way in which a year mark and pass mark is calculated and whether a subminimum is required for parts of a course is contained in the respective study guides for each module.

Reg. H29(a) - Duration of study

The degree can be offered over a minimum period of one year (full time). Students will be allowed to take the degree over a two-year period (part time) by registering for fewer subjects per year. Prospective part-time candidates need to clarify their part-time studies with the Director of DiMTEC.

Reg. H30(a) - Learning programme

Compulsory

DIM791 Extended research essay

Electives (choose any two):

Module Code Subject

DIM701 Trauma Management 16

DIM702 Political Strategic Planning 16

DIM703 Information Management 16

DIM704 Ethnic and Cultural Conduct 16

DIM705 Management of media relations 16

DIM706 Environmental risk and impact assessment 16

DIM707 Disaster vulnerability and risk assessment 16

CONTENTS OF MODULES

DIM701 - Trauma Management (16 credits)

The management of crisis intervention and trauma management to support victims of

traumatic incidents. Posttraumatic-stress and burn-out resulting from long-term exposure to traumatic incidents and the emotional distress of victims of trauma. Action strategies for crisis workers. Coping strategies and management principles of natural disasters, human made disasters, family and sexual violence and injury, chronic and life-threatening illness.

DIM702 - Political Strategic Planning (16 credits)

The main aim of this module is the development of sophisticated techniques within the context of political environmental analysis with specific emphasis on forecasting.

Specific attention will be given to scenario development as a technique for predicting the future.

DIM703 - Information Management (16 credits)

This module pays pertinent attention to information needed within the organisational

context. The importance of information to the manager, how he/she applies it, how the information is retrieved and from what type of sources are only a few of the issues which will be discussed. Applications of information in the industry, information systems and their management, as well as the integrity thereof will be explored.

DIM704 - Ethnic and Cultural Conduct (16 credits)

The nature and development of human settlement. The nature of settlement in Africa. Indigenous settlement patterns. Formal and informal urbanisation. Anthropology of poverty. Ethnography of urbanisation. The ethnic and cultural influences on human settlements in multi-cultural urban environments. Problems created by the present tendencies in urban settlement from an anthropological perspective.

DIM705 - Management of media relations (16 credits)

Understanding the influence of old-fashioned charity approach and the rights-based approach to the provision of humanitarian assistance has on public participation. Role of communities in all phases of disaster management if public participation programme is planned and co-ordinated effectively. Risk communication. Releasing information to the community.

DIM706 - Environmental risk and impact assessment (16 credits)

Environmental damage assessment: damage risk assessments on human lives, farm and range lands, water and aquatic lives and air, vegetation and stratosphere. Post damage assessments. Pre- and post-damage remedies. Social dimensions of environmental degradation; drought risks and impacts on food production and supply, disease epidemics, political conflicts, refugees and pollutant emissions. Economic impacts of disasters; economic risk assessment, valuing of disaster damage (cost benefit analysis and environmental impact assessment) and forecasting of disaster risks. Biological and biophysical aspects of environmental degradation; pests and diseases attack, microorganisms as polluting agents of food and drinks, microorganisms roles in biodegradation. Policy dimensions to environmental disasters.

DIM707 - Disaster vulnerability and risk assessment (16 credits)

Quantitative method to determine vulnerability and risks. Case studies to determine the vulnerability of communities and communities at risk. Actuary probability theory. Determining the probable disaster loss. Using vulnerability and risk assessment to formulate prevention and mitigation strategies.

***DIM708 - Water-related disaster risk management (16 credits)**

The subject will offer the students the opportunity to acquire skills and knowledge in an intra and multidisciplinary course to understand and manage disasters and their consequences. This subject entails seven modules about water related disasters. The modules are as follows: weather and climate, waterborne diseases, early warning and information systems, droughts and water scarcity, floods, water pollution and legal or institutional.

DIM791 - Extended research essay (90 credits)

ENTRY REQUIREMENTS

The minimum requirement to register for this course is a qualification on NQF Level 6.

(General three-year university degrees and universities of technology national diplomas are on this level) Applicants who do not meet this minimum requirement, but who are in possession of any relevant degree plus appropriate practical experience and/or Preparatory studies can apply for Recognition of Prior Learning (RPL). If successful, such an applicant can be allowed to register for the Master's Degree of Higher University Diploma.

Recognition of Prior Learning (RPL) is a process to recognize the skills and knowledge a person might have as a result of learning through work experience, life experience, short courses, formal and informal study. The RPL is NOT conducted by DiMTEC, but by an outside department.

FOR MORE INFORMATION ON RPL, PLEASE CONTACT:

Tel: +27 (0)51 505 1270/1/2 or

Tel: +27 (0)51 505 1268

Kuhnet.rd@ufs.ac.za

Fax: +27 (0)51 505 1205 <http://www.ufs.ac.za/rpl>

Please Note: The ROL process can take up to 6 months.

INTAKE AND COMMENCEMENT OF COURSE

The first contact sessions for new students take place during February of each year.

APPLICATION PROCEDURE

The following procedure should be followed when applying for the course:

Step 1: Application

Complete and send the DiMTEC application form along with the following requirements to the DiMTEC office.

DiMTEC application documents:

- **Complete DiMTEC application form**
- **Curriculum Vitae**
- **Certified copies of certificates**
- **UFS APPLICATION FORM**
- **ORIGINAL PROOF OF PAYMENT**
- **4 ID PHOTOS**
- **CERTIFIED COPY OF ID**

Completed documents should be sent to:

Step 1 forms must reach the DiMTEC office before **30 September** of the preceding year.

Step 2: Selection

Selection will take place during October. A letter of acceptance will be sent to all successful candidates, along with course details.

COURIER ADDRESS:

Annelene Schröder
DiMTEC
Room 3.102
First Floor
Agricultural Building
University of the Free State
Nelson Mandela Road

POSTAL ADDRESS:

Annelene Schröder
DiMTEC
Internal Box 66
PO Box 339
University of the Free State
BLOEMFONTEIN

9300

Means of instruction, evaluation and examination

Students will have **three** formal contact sessions at the University of the Free State. Each contact session is three to five days. The first contact session (**compulsory**) will be in February. The second contact session is prior to the June examination and the last contact session is before the November examination. During these sessions students will receive their study material for each semester and they will also have sessions with their lecturers during which the course contents and assignment expectations will be discussed. First year students will enter with an advanced diploma (**Study Code 5201**) which consists of eight compulsory subjects.

Students with a minimum of 60% for all their subjects may enter for the Master's Degree in their second year.

The second year consists of two electives and a research project in the form of a dissertation.

The subjects are structured in modules and require assignments to be completed and submitted by students at predetermined dates. Assignments are evaluated by lecturers and discussed with students during the contact sessions. Assignments form part of a continuous evaluation process.

PhD IN Disaster Management

Study Code 5910

Module Code DISM9100

To apply for a PhD in DM, the application needs a minimum of 65% in there Dissertation.

Please send your proposal, study record, and cv to dimtec@ufs.ac.za.

If your proposal is accepted, you will be invited to present your proposal in front of a panel.

If the panel accepts your proposal, you may apply to study at DiMTEC.