



**POST-GRAD DIPLOMA
&
MPHIL
ENVIRONMENTAL MANAGEMENT**

**A MULTI-DISCIPLINARY PROGRAMME WITH A UNIQUE SELECTION OF
CORE AND CHOICE MODULES FROM FOUR FACULTIES**

An innovative programme for a new generation of environmental managers

Practical, hands on tuition based on solid theoretical foundations



PROGRAMME OUTCOMES/AIMS

This structured multi-disciplinary programme has been jointly designed and developed by the **School of Public Leadership** (www.spl.sun.ac.za), the Departments of **Philosophy**, **Economics**, **Public Law**, and **Geography**. The main aims of this taught, multi-disciplinary programme is to develop:

- management skills that will reconcile sustainable development within the limitations of South Africa and Africa's valuable and sensitive environment and the institutional frameworks taking responsibility for it;
- abilities to formulate, interpret, implement and monitor environmental policy in the public and private sectors of Southern Africa;
- understanding of the approaches, processes and structures of environmental management in Southern Africa.

COMPOSITION OF THE POST GRAD DIPLOMA PROGRAMME

The programme will be presented formally during the scheduled contact sessions at Stellenbosch University on a **modular** basis with assignments completed during the interim periods between blocks. All eight (8) modules need to be completed within one (1) year and is equivalent to an honours-level programme. You only have to be in Stellenbosch during the contact sessions. Please note that attendance of these sessions is **compulsory**

- A set of eight (8) core modules (8x1 week sessions) distributed over one year will be taught by leading experts in their fields. A teaching methodology that combines formal teaching, case studies, facilitated discussion learning and self-managed learning in a way that allows each participant to shape their own study focus.

You will eventually be required to complete assignments in which you have integrated the knowledge that you have acquired from the different modules. Large portions of the programme involve self-study. You will therefore be required to complete assignments at home in preparation for lecture sessions or as follow-ups after returning home from the contact sessions at Stellenbosch.

NB: Students must attend the full week (Monday-Friday) of classes at the Stellenbosch Main Campus.

NB: Elective modules take place at the Lynedoch campus and runs over a period of six days (Monday – Saturdays)

NB: No distance education options are available

Modules with their relative weighting within the programme:

Programme Code 55255 778	
1 Environmental Issues (15 credits)	5 Environmental Governance (15 credits)
2 Environmental Ethics (15 credits)	6 Geographical Information Systems in Environmental Analysis and Management (15 credits)
3 Environmental Economics (15 credits)	7 Development Planning Environmental Analysis (15 credits)
4 Environmental Law (15 credits)	2 Electives (choose only 1 (15 credits) = 120 CREDITS)



CORE MODULES

1. Environmental Issues (School of Public Leadership)

This module aims to provide students with an understanding of the most important environmental issues of our time. We will strive to ensure that students develop a level of awareness of the causes and the limitations of our understanding of environmental processes. Central themes that will be addressed include:

- The need for a conservation ethic
- Measurement of biodiversity
- Loss of biodiversity
- Habitat destruction, degradation, fragmentation
- Biological invasions
- Global climate change
- Overexploitation
- Pollution
- Human population growth
- Ecosystem services framework
- Policy and legal frameworks to stem biodiversity loss

2. Environmental Ethics (Department of Philosophy)

The central aim of this module is to enable students to recognise, describe, analyse and critically evaluate the different ethical models and value systems that underpin environmental degradation and environmental conflict, and also the different ethical models and value systems informing different approaches to environmental management and conservation. Central themes that will be addressed include:

- Different philosophical models for the conceptualisation of environmental problems
- Different approaches to environmental ethics (for example, strong anthropocentrism, weak anthropocentrism, animal rights, animal liberation, biocentric individualism, biocentric holism, ecocentrism, deep ecology, ecofeminism, social ecology, bioregionalism and environmental pragmatism)
- Environmental ethical values and principles, for example sustainability, precaution, ecological integrity
- The relationship between environmental ethical values and other values like economics, efficiency, freedom, equality and justice
- The implications of environmental ethical values for politics, economics and everyday life
- The ethical basis of environmental conflict resolution
- The ethical basis of environmental policy and management in a developing country
- Case studies

3. Environmental Economics (Department of Economics)

The module aims to provide students with an understanding of the economic causes of environmental degradation and how to apply economics in environmental management. Central themes that will be addressed include:

- The inter-linkages between economic activity and the natural environment
- Efficiency and sustainability as criteria for decision-making
- The economic values of the environment and methods to determine them
- The economics of pollution: using the market to control pollution
- Cost-benefit analysis as a tool for decision-making and the problem areas in applying cost-benefit analysis to environmental issues
- Management of natural capital (e.g. sea fisheries, biodiversity, water)



4. Environmental Law (Department of Public Law)

Central themes that will be addressed include:

- Introduction to law.
- The nature, scope and classification of environmental law.
- The sources of environmental law.
- Historical perspective of the development of environmental law.
- International environmental law.
- The environment and the Constitution.
- Environmental governance in the national, provincial and local spheres of government.
- Implementation and administration of environmental law.
- Framework environmental legislation: The National Environmental Management Act (NEMA)
- Content of specific environmental management Acts.

5. Environmental Governance (School of Public Leadership)

The following themes will be addressed:

- The meaning of environmental governance from a public and development management perspective
- The socio-political contexts within which environmental governance takes place
- Environmental policy: environmental politics, policy instruments for environmental management, international environmental policy, the process and outcome of environmental policy reform in South Africa
- Institutional and organisational arrangements environmental management: centralisation and decentralisation, the problem of co-ordination and integration, sectoral, hierarchical, organisation types and political approaches/decisions in the development of environmental management systems, co-operation structures, networks and public-private partnerships as examples of organisational innovation
- Environmental governance processes, systems and structures and the interaction between context, structures and processes in environmental governance
- Environmental leadership challenges in modern community and organisational environments and decision-making processes, environmental leadership profiles and the development of environmental leadership competencies
- Collaborative environmental governance approaches like Community-based Natural Resources management (CBRM), co-management, adaptive management, public participation and multi-stakeholder dialogues.
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6. Geographical Information Systems in Environmental Analysis and Management (Department of Geography and Environmental Studies)

Central themes that will be addressed include:

- Introduction to GIS
- GIS software
- GIS data models
- Projections
- Data editing
- GPS
- Queries
- Introduction to spatial analysis



7. Development Planning & Environmental Analysis

Aim: this module will provide participants with an understanding of the links between science, knowledge, evidence-based policy and action for sustainability and the role of planning and environmental techniques, assessments and analyses in this process. An overview will be given on extracting, processing and presenting data; demographic and socio-economic, poverty and inequality assessments, environmental impact analysis (EIA), strategic environmental assessment (SEA), sustainability assessments and sustainability indicators. Cost-benefit analysis, multi-criteria decision analysis, transport, infrastructure, regional and urban economic analyses will also be addressed. The focus of the module will be on exploring new techniques for sustainability, of which the main themes are:

- knowledge- policy-action for sustainability
- socio-economic analysis and profiling of communities for integrated development planning
- social, poverty and inequality analyses, including participatory and action research
- “pre-design” environmental analysis, “post-design” environmental impact assessment (EIA); strategic environmental analysis (SEA) and sustainability assessments
- sustainability and ecological indicators, including the ecological footprint of a city, material flow analysis and alternative economic assessments

ELECTIVES

The elective modules are usually negotiated between individual candidates and lecturers according to the chosen or specified specialisation of the candidate. It might entail a deepening of research in an existing module or a broadening of exposure to a related area of study. Students may select to do one of the modules on offer from the other Programmes offered by the School of Public Leadership or from any other Programmes at the University of Stellenbosch on condition these have been approved by the Programme Coordinator.

Electives (x1) can be chosen from the Sustainable Development programme:

Sustainable Development	15 Credits
Renewable Energy Finance	15 Credits

Sustainable Development

Aim: This module will be the foundation stone of the entire programme. It will provide course participants with an overview of the most significant global environmental, social and economic challenges that face humankind, and an insight into the solutions suggested by the universal commitment to sustainable development. Course participants will be able to recognise, understand and apply the divergent interpretations of sustainable development that currently exist. The main themes will include:

- review of the most important environmental problems, such as climate change, waste and pollution, biodiversity destruction, and the general contradiction between resource use and carrying capacity;
- review of the most significant social challenges, including demographic change and expansion, pandemics, poverty, endemic violence, migration and urbanisation;
- review of the key global economic trends that currently determine and shape the dynamics of national and local economies;
- introduction to the history of, and different approaches to, the notion of sustainable development;
- case studies of sustainable development in practice at the policy and project levels.



Renewable Energy Finance

Aim: This module provides students with an understanding of the financing needs and dynamics of renewable energy projects. The course provides students with insight and competencies in a number of themes, including:

- The need for financial instruments in solving environmental issues.
- The capital and operational costs of different technologies.
- Calculating the levelised cost of electricity for different energy technologies.
- The different mechanisms allowing the sale of renewable energy into the grid
- The dynamics of global carbon markets
- Calculating the Debt service coverage ratio of a project.
- Understanding how project life and other aspects can be adjusted to increase bankability.

METHODS OF TUITION

During the block sessions an interactive teaching method will be used that will consist of formal lecturing, facilitated discussion learning, case method learning and various kinds of structured group work. The main aim of this teaching approach is to ensure that members of the group learn from each other and establish strong working relationships. The facilitated discussion learning and case learning is designed to ensure that participants complement reading and listening with experiential learning that builds the capacity for sound judgement and practical wisdom. Between block sessions, course participants who return to their places of work will need to work largely on their own and connected to others via email where this is practically possible. It should be assumed that approximately 100 hours of self-managed work time will be needed between blocks for reading and writing up of assignments.

LANGUAGE OF INSTRUCTION

The language of instruction during tuition, discussions and presentations will be in English. Assignments, tests and examinations may be written in Afrikaans.

APPROACH

Students will be encouraged to develop, test and discuss their own study material, practical applications and evaluations within the framework of the areas within which they are professionally employed (or aim to be employed).

ASSESSMENT: EXAMINATION REQUIREMENTS AND EVALUATION

This structured part time study programme consists of separate modules. Written theoretical, practical and examinations might be required in the respective modules.

- To pass a module, a student must achieve a mark of 50%
- To pass a module with distinction, a student must achieve a mark of 75%
- To pass the programme, an overall average of 50% is required
- To pass the Post Grad Diploma in Environmental Management with distinction (cum laude), a student must achieve a 75% average in each module

ENTRY REQUIREMENTS

Candidates may submit written applications to enter this taught Post Grad Diploma in Environmental Management if they are in possession of one of the following qualifications:

- A Bachelor's degree with a 60% pass mark in one of the following main subjects: Geography and Environmental Studies, Sociology, Economics, Public and Development Management, Geology, Botany, Zoology, Agricultural Economics, Transport Economics and Logistics, Forestry, Nature Conservation, Civil Engineering and Architecture, Surveying or any other equivalent field. Relevant work experience may be considered on application; OR
- A BTech degree in Town and Regional Planning or similar relevant subject fields; OR
- A four-year Bachelor's degree in Town and Regional Planning

It is expected of students to be computer literate.

SELECTION AND APPLICATIONS

The normal entry requirements for study at Stellenbosch University apply. Only 30 students are accepted into the programme. The programme selection committee will convene during October November. Applicants will be informed towards the end of November of the outcome of the selection process. Late applications will be considered until 15 November of every year.

Once a student has been selected and accordingly informed that his application has been successful it will be required of him/her to pay a deposit fee of **R2000 to confirm his/her place in the programme**. This fee will be deducted from the registration fee.

(See also registration)

Applications close on **31 October of every year** for South African applicants and please provide all the required and any other relevant information with your application to help us with the selection process. Please read the instructions carefully and make sure that your academic transcripts are attached to your application. **You are also required to complete the School of Public Leadership's form** available on our website www.spl.sun.ac.za or contact the programme administrator at email address ijs3@sun.ac.za or telephone number +27 (0)21 808-2151.

The closing date for **International** applicants is **31 October every year**. Please contact the International Office for assistance with your application or for further information visit their website at <http://www.sun.ac.za/international>. Their contact details are email: interoff@sun.ac.za and telephone number +27 (0)21 808 2565. Note that International students will have to adhere to a different fee structure also obtainable from the International Office.

Want to request a budget?

Follow this link:

<http://www0.sun.ac.za/international/about/request-a-budget.html>

REGISTRATION

It will be expected of all students to be registered already once they reach campus on their first day of orientation.

The additional registration fee must be paid into the University's account no later than end of November so that the registrations can take place while students are still off campus. Once you reach campus, all the administration pertaining to registration has already been completed.



BURSARY INFORMATION

Please follow this link

<http://www0.sun.ac.za/international/postgraduate-student-funding>

ACCOMMODATION

Students will be responsible for their own accommodation arrangements. There is a wide range of accommodation available in Stellenbosch, from basic backpacker accommodation to guest houses. More information is available from the Stellenbosch Tourism and Information Bureau. Their contact details are as follows: Tel: +27 (0)21 883 3584; Email: info@stellenbosch360.co.za and Website: <http://www.stellenbosch.travel>. It is advisable to book in advance as accommodation in Stellenbosch is in great demand.

University Accommodation (Long-term) (www.sun.ac.za) +27 21 808 3892

TUITION FEES/PGD

Fees for 2018 are ±R38 900 for the 1st year of registration. **Please note that the fees for 2019 will only be confirmed in October 2018.** There is an additional cost for notes and excursions (approximately R2 500 per year).

These are provisional amounts (for budgeting purposes only and not binding on Stellenbosch University or any of its employees/representatives), fees for 2019 will only be finalised in October. Accommodation fees and meals are not included in the course fees.

Fees must be paid into the following University of Stellenbosch bank account:

Reference: Your student number

University of Stellenbosch:

Standard Bank - Stellenbosch Branch

Account Nr: 063163225 Cheque Account ,

Branch Code: 050610 Swift Code: SBZAJJ

Student number/surname as the University's reference number

If you DO NOT complete your studies in the allotted time (1 year full-time) a **continuation fee** will be charged per year. However, continuation will not be automatically granted. Continuation is a privilege that is only granted under exceptional circumstances.

Students will be charged for (a) modules that they repeat; (b) additional modules over and above the 8 core modules; and (c) any additional fees that their electives may entail.

The University, as represented by the duly authorised decision-making body, reserves the right to amend all fees payable to the University. As a result, the above quoted fees may change by the time that registration takes place in January 2019. The School of Public Leadership and the staff associated with the management of this programme, cannot be held accountable if for any reason the above quoted fees are changed by a duly authorised University decision-making body.

Payment Options: The registration fee (first instalment on Class Fees) is payable on the day of registration (±R10.4000 for 2019). Following registration, a full account for the year is sent out to every student.



Students will be charged for (a) modules that they repeat; (b) additional modules over and above the required 8; and (c) any additional fees that their electives may entail. **(The Council reserves the right to amend without notice all fees payable to the University)**

Payment Options: The registration fees (first instalment on Class Fees) is payable on day of registration (±R10.400 for 2019). Following registration, a full account for the year is sent out for every student. Students have the following payment options: *1 Standard Payment Option* – in 2 instalments (75% of the total amount on or before 30 April and the outstanding balance on or before 31 August); *2 Payment by Debit Order System* – 7 monthly instalments under the University's debit order system (first instalment payable before 1 May). Enquiries: Division for Student Fees Tel: +27 (0) 21 808-4519.

APPLICATION PROCEDURE

CLOSING DATES FOR APPLICATIONS

31 OCTOBER (POST GRADUATE DIPLOMA IN ENVIRONMENTAL MANAGEMENT)

31 OCTOBER (MPHIL ENVIRONMENTAL MANAGEMENT)

The university must be in possession of ALL your supporting documents by these dates

Please do familiarise yourself with the entry requirements before applying for either of the two programmes

PGD Environmental Management

1. The application process for the PGD is via an online system.

STEP 1

Relevant information you need for the online application:

Faculty: [Economic and Management Science](#)
Department: [School of Public Leadership](#)
Programme: [Postgraduate Diploma in Environmental Management](#)

Apply online as follows:

<http://www.maties.com>

- Current students enrolled at Stellenbosch University also apply online (Current students and international students are exempted of paying an application fee)
- If it is impossible to apply online, an application form may be requested from the programme administrator. See below for details.
- All applicants receive a student number via email or sms (text message). This is not an indication that you have been accepted by the University.
- If you had applied online, you need to mail proof of payment of admission fees (not applicable to international students) **certificates and a signed agreement** to the University at info@sun.ac.za
- Your application will be processed further unless the University receives all the documents described above.
- If you submit a paper application form please include all the documents described above and post them to the address on the application form or scan and email them to info@sun.ac.za Please ensure that the scanned copies are clear and easy to read.
- All the relevant documents mentioned above need to be submitted to the University by 31 October in other words the University must have a complete application, otherwise your application will be considered incomplete or late.
- It is also your responsibility to follow up with the University Call Centre to confirm that your application is on the system and that all supporting documents have been received.

STEP 2

Once your application has been successfully processed by the University Admissions you will receive an email or sms (text message with your University password). Please note that this is not an indication that you have been accepted for the PGD programme.

STEP 3

Your application is reviewed by the Faculty Secretary (and International Office if you are an international student) to ensure that you comply with the entry requirements for the PGD Environmental Management programme. This process starts in the second semester i.e. from end July.

STEP 4

The names of applicants accepted by Faculty are sent to the Department.

2. DEPARTMENTAL APPLICATION

STEP 5

The **Departmental application form** can be requested from the Programme Administrator or please download this from our website www.spl.sun.ac.za under downloads. There may be a substantial time lapse between your university application submission and contact by the Programme Administrator - most often this is due to university applications being incomplete, but also because the Faculty review process only commences end July. It is the applicant's responsibility to follow up on applications submitted. The **completed departmental application form plus a motivation (1000) words** of why you wish to study the PGD Environmental Management programme must be emailed back to the Programme Administrator jjs3@sun.ac.za within 10 days.

STEP 6

Your departmental application will be reviewed and you will be notified whether your application was successful or not by the second week of November.

MPhil Environmental Management

COMPOSITION OF THE MPhil ENVIRONMENTAL MANAGEMENT PROGRAMME

Full Research Programme (100% thesis) (one year)

- Research Methodology Course (5 days) **plus**
- Research component: 180 credits (Integrated thesis written in accordance with the requirements of the University and the Supervisor (\pm 40 000 words [\pm 120 pages])

All students (no matter what prior qualifications they may have at any level or with any other institution) are required to complete the PGD before starting the MPhil. Under no circumstances will any student be allowed direct entry into the MPhil without having completed the PGD. No other degree will be recognised as an entry requirement to the MPhil

CLOSING DATE FOR APPLICATIONS: 31 OCTOBER OF THE YEAR PRIOR FOR WHICH YOU ARE APPLYING

Preference will be given to students who obtained 65% or higher for each of their respective modules in the BPHIL/PGD programme.

The application process is twofold, namely:

1. Research Concept Note

All applicants must submit an electronic copy of a 1000 word research concept note to the Programme Administrator by 15 January of the year of study.

2. Stellenbosch University application

Students who had obtained their PGD may apply online:

Necessary information: Faculty: Economic and Management Science
Department: School of Public Leadership
Programme: Mphil Environmental Management

Link: <http://www.maties.com>

PLEASE NOTE: Students who are conditionally accepted for the MPhil studies are required to attend a **5 day Research Methodology Workshop** and a **Proposal Writing Workshop**.

Attendance is compulsory for all of these events.

CONTACT THE CORRECT DIVISION FOR ENQUIRIES RELATING TO THE APPLICATION PROCEDURE:

- Enquiries relating to the online university application: University call centre, tel. +27 21 808 9111; info@sun.ac.za
- Enquiries relating to your PGD departmental application: JJSaunders (Programme Administrator), tel. +27 21 8082151; jjs3@sun.ac.za
- Enquiries relating to funding, visas, language proficiency, etc. Postgraduate & International Office, tel +27 21 8082565; www.sun.ac.za/international; interoff@sun.ac.za

CONTACT DETAILS

For further information and application forms, contact:

Jennifer Saunders (Administration of the PGD/MPhil in Environmental Management Programme)

**School of Public Leadership
Stellenbosch University
Private Bag X1
MATIELAND
7602
South Africa
Tel: +27 (0)21 808 2151
Fax: +27 (0)21 808 2085
Email: jjs3@sun.ac.za
Web: www.spl.sun.ac.za**

Checklist in terms of documents

1. ID/Passport
2. Qualifications copies of your degree certificates
3. Transcripts
4. Matric certificate
5. Departmental application form together with the structured application (1000 words why you want to do this programme).

Make sure that you upload all these documents on the Sun application site.

PGD Environmental Management (Preliminary Dates) (55255 778 - 120 credits)

MODULE AND ASSIGNMENT SUBMISSION DATES for 2018

Module	Date Presented	Final Date for Submission of Assignments	
First Block Session			
Environmental Issues (15 credits) Dr JP Simaika simaikaj@sun.ac.za AI Perold Building, Room 1018	29 Jan–2 Feb 2018	13 April 2018	
Environmental Ethics (15 credits) Prof Hattingh jph2@sun.ac.za AI Perold Building, Room 1018	05 – 09 February 2018	Assignment 1 2 May 2018 Assignment 2 06 July 2018	
Second Block Session			
Sustainable Development (Elective) (15 Credits) Prof Mark Swilling swilling@sun.ac.za at the SI (Off campus module at SI)	12–17 March 2018 (6 days)	27 April 2018	
Environmental Economics (15 Credits) Prof Martin de Wit mdwit@sun.ac.za AI Perold Building, Room 1018	16-20 April 2018 No exam applicable	11 July 2018	
Third Block Session			
Environmental Law (15 Credits) Megan Donald mdonald@law.co.za AI Perold Building, Room 1018	21-25 May 2018	Assignment 1 06 August 2018 (Small) Assignment 2 29 August 2018	
Environmental Governance (15 Credits) Prof Kobus Muller jjm1@sun.ac.za AI Perold Building, Room 1018	28 May–1 June 2018	Assignment 1 16 August 2018 Assignment 2 03 Sept 2018	
Fourth Block Session			
GIS (15 Credits) (2 weeks) Me Ilze Boonzaaier ilze.boonzaaier@gmail.com Geology Building (Venues to be confirmed by Ilze)	16-27 July 2018 Exam 27 August (Friday)	03 October 2018	
Development Planning Analysis (15 Credits) Me Anneke Muller jjmuller@sun.ac.za AI Perold Building, Room 1018	20–24 August 2018	15 October 2018	
Renewable Energy Financing (Off campus module at SI) Jako Volschenk jvolschenk@sun.ac.za	13-18 August 2018 (6 days)	01 October 2018	
WORKSHOPS			
Harvard Referencing Scientific Writing	Saturday 03 February 2018 Saturday 03 February 2018	Venue: AI Perold Building, Room 1018	
RESEARCH METHODOLOGY WORKSHOP -		25-28 September 2018	
Supplementary exams will take place in October/November if needs be for GIS		Dates to be confirmed	
DUE DATE FOR LATE SUBMISSION OF ASSIGNMENTS (WITH A PENALTY OF -5%)			
EXAMINATION DATES			
Environmental Issues	Mr JP Simaika	11179 771	None
Environmental Ethics	Prof Louise du Toit	10769 771	None
Environmental Economics	Prof Martin de Wit	59617 775	None
Environmental Law	Megan Donald	60704 771	None
Environmental Governance	Prof Kobus Muller	11919 771	None
GIS	Ms Ilze Boonzaaier	11176 771	Friday – 27 July
Sustainable Development	Prof Mark Swilling	58718 771	None
DP & Environmental Analysis	Me Anneke Muller	55492 771	None
Renewable Energy Financing	Jako Volschenk	12531 771	None