

Tutorial Letter 101/3/2018

People and the Environment

GGH2604

Semesters 1 and 2

Department of Geography

This tutorial letter contains important information about your module.

BARCODE

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1 INTRODUCTION

Dear Student

We take great pleasure in welcoming you to the module GGH2604 *People and the Environment*.

The purpose of Tutorial Letter 101 is to provide you with basic information about GGH2604 that will set you on your way to complete the module. This includes basic requirements and other important information related to the module and assessment information.

Your success in GGH2604 depends largely on your use of the prescribed textbook. The prescribed textbook is an essential resource for your assignments as well as your examination. The module is structured around eight learning units that are designed to guide you through the prescribed textbook.

Because this module follows a blended approach, you must use myUnisa to be successful in your studies and we urge you to make use of the benefits offered by the online learning environment of myUnisa. myUnisa allows you to engage with fellow students, your lecturers and an e-tutor (who will be automatically allocated to you) to create a valuable collaborative learning experience. Visit the GGH2604 module site and your *e-tutor website* regularly.

Your first priority for GGH2604 should be to read the rest of this tutorial letter as well as the *Studies @ Unisa* brochure in order to acquire basic information about the module and orientate yourself towards the activities and requirements for the semester.

Your next step should be to register on myUnisa and to activate your myLife@Unisa e-mail address. You will have access to the study material if you are registered for and have access to myUnisa. All the learning units for the module have also been uploaded on myUnisa. Go to the website at <https://my.unisa.ac.za> and log in with your student number and password. You will find GGH2604-18-**S1** (for the first semester) or GGH2604-18-**S2** (for the second semester) in the row of modules in the orange blocks across the top of the webpage. If you cannot find the module in the orange blocks, you could also check in the "More" tab. Click on the module name to open it.

You will need to register on myUnisa in order to:

- submit your assignments
- gain access to the library functions and various learning resources
- "chat" to your lecturers and fellow students
- participate in online discussion forums

The third step you need to take is to obtain your prescribed textbook as soon as possible. The details regarding the prescribed textbook are provided in section 4 in this tutorial letter.

Next, you should familiarise yourself with the various assessment opportunities for GGH2604 and due dates. You will find detailed information about your assessment in section 7 in this tutorial letter.

Sincerely,

Your lecturer(s)

2 PURPOSE AND OUTCOMES

2.1 Purpose

This module will introduce you to the complex interrelationships between humans and the environment and to how they affect each other on global, regional and local scales. In addition, you will explore the measures that can be taken to reduce environmental degradation.

2.2 Outcomes

The module has been developed with various outcomes in mind. It might seem like a mountain to climb at first, however if you make use of all the support that we provide during the semester you will be able to excel in GGH2604. The following outcomes must be achieved:

Outcome 1

Describe and explain the complex interrelationships between humans and the environment at local, regional and global scales.

- Identify and explain the basic linkages between human activities and environmental degradation.
- Discuss how local problems can have regional and global consequences.
- Analyse the relationship between population growth and resource consumption, and describe the causes and extent of environmental degradation.

Outcome 2

Assess the probable impacts and consequences of human activities on the environment.

- Explore the impacts of human activities on environmental resources at global, regional and local scales.
- Discuss the consequences of environmental degradation on human life.
- Assess the possible effects of specific activities and their consequences using case studies.

Outcome 3

Explore and suggest solutions to reduce the occurrence and impacts of environmental degradation.

- Explore possible consequences of environmental degradation.
- Formulate appropriate strategies to reduce or prevent environmental degradation.
- Use case studies to show how remedial actions reduce or prevent environmental degradation.

3 LECTURER(S) AND CONTACT DETAILS

3.1 Lecturer(s)

The names of the lecturer(s) responsible for this module will be announced on myUnisa in the first week of the semester. Whenever you write to a lecturer, please include your student number

to enable the lecturer to help you more effectively. It also makes it easier for lecturers if you include the module code in the subject field of emails. When you phone the lecturer, please have your student number at hand should the lecturer require it.

3.2 Department

The general contact telephone number for the Department of Geography is +27 (0)11 471 3689. Please note that the office hours of the department are 08:00 to 16:00.

3.3 University

If you need to contact the University about matters that do not relate to the content of this module, consult *Study @ Unisa*. This brochure contains information on how to contact the University (e.g. to whom you can address different queries, important telephone and fax numbers, addresses and the times during which certain facilities are open). Always have your student number at hand when you contact the University.

4 RESOURCES

4.1 Prescribed books

PLEASE NOTE: The study material for this module has been revised with reference to the new prescribed book. Therefore, you will not pass the module when consulting the previous prescribed book.

Prescribed books can be obtained from the university's official booksellers. If you have difficulty locating your book(s) at these booksellers, please contact the Prescribed Books Section at +27 (0) 12 429 4152 or e-mail vospresc@unisa.ac.za.

The details related to the prescribed textbook for this module are as follows:

Whitehead, M. 2014. *Environmental Transformations: A geography of the Anthropocene*. London: Routledge. ISBN: 9780415809832.

Please obtain this textbook as a matter of urgency. Refer to the list of official booksellers and their contact details in the *Studies @ Unisa* brochure or on myUnisa. You are advised to contact more than one bookseller — our experience is that the price may differ substantially from bookseller to bookseller.

4.2 Module-related resources

Different resources, such as the internet, myUnisa and the Unisa electronic library, will be used in the teaching of this module. You can access these resources online; it is therefore crucial that you have regular access to the internet. All the learning units for the module have been uploaded on myUnisa and must be studied in conjunction with your prescribed book. Should you encounter problems with myUnisa you can send an e-mail to MyUnisaHelp@unisa.ac.za.

4.3 Library services and resources information

You can request library material electronically via the Unisa library catalogue:

- on the web at <http://encore.unisa.ac.za>

- or via your mobile device at <http://m.oasis.unisa.ac.za>

Contact the library via library-enquiries@unisa.ac.za if you have any questions or need assistance.

For brief information, go to www.unisa.ac.za/brochures/studies.

For detailed information, go to <http://www.unisa.ac.za/library>.

For research support and services of personal librarians, click on **Research support**.

The library has compiled a number of library guides:

- finding recommended reading in the print collection and e-reserves – <http://libguides.unisa.ac.za/request/undergrad>
- requesting material – <http://libguides.unisa.ac.za/request/request>
- postgraduate information services – <http://libguides.unisa.ac.za/request/postgrad>
- finding, obtaining and using library resources and tools to assist in doing research – http://libguides.unisa.ac.za/Research_Skills
- contacting the library/finding us on social media/frequently asked questions – <http://libguides.unisa.ac.za/ask>

5 STUDENT SUPPORT SERVICES

Unisa offers various support services to students (e.g. student counselling, tutorial classes and language support), which are outlined in the *Studies @ Unisa* brochure. Online support services via myUnisa include non-course-specific as well as course specific functions.

Non-course-specific functions

Non-course-specific functions are administrative tasks such as checking your personal information, changing your address, changing your examination venue, adding or cancelling courses and viewing your account, as well as making credit card payments. These also include:

- personalising your examination timetable
- searching for library functions and resources
- receiving online student counselling
- receiving advice on studying online

Course-specific functions

Course-specific functions include:

- viewing the course homepage
- contacting your lecturer via e-mail
- viewing and submitting assignments
- participating in course discussion forums
- studying learning units and associated resources
- viewing or downloading study material

E-tutor

Each student will also be linked to a group site (also referred to as an e-tutor site), which is an additional site on myUnisa in which groups of about 200 students can participate in various online activities. This is the site managed by your e-tutor. You ought to visit this site at least twice a week.

Fellow students

You can contact your fellow students by using the Discussion Forums tool on myUnisa.

Unisa Directorate for Counselling and Career Development (DCCD)

DCCD supports prospective and registered students before, during and after their Unisa studies. There are resources on their website (<http://www.unisa.ac.za/Default.asp?Cmd=ViewContent&ContentID=15974>), and also printed booklets available to assist you with

- career advice and how to develop your employability skills
- study skills
- academic literacy (reading, writing and quantitative skills)
- assignment submission
- exam preparation

Note that the DCCD can also assist you with improving your personal wellness: visit their website at <http://www.unisa.ac.za/default.asp?Cmd=ViewContent&ContentID=16277>.

Student Health and Wellness

Your physical health is an important factor in your learning success. Obtaining an educational qualification is challenging and may at times involve stress, and it is therefore vital that you should try to maintain a healthy lifestyle to ensure that you will cope physically with the demands of your studies.

If you suspect that you may suffer from a chronic condition, or you know that you suffer from such a condition but are unsure about medical options and treatment, you could approach Unisa for further information and support. Visit Unisa's Student Health and Wellness website at <https://my.unisa.ac.za/cmsys/default.asp?Cmd=ViewContent&ContentID=26330>, where you will find details of Unisa's Health and Wellness clinics, and other health and wellness resources.

If you would like to obtain basic information about the prevention of, testing for and treatment of HIV/Aids, you could also consult the following web links:

- <http://www.aidsconsortium.org.za/docs/AC%20Pamphlets/HIV%20treatment%20Wise%20-%20March%202010.pdf>
- <http://www.aids.org/topics/aids-factsheets/>
- https://www.westerncape.gov.za/sites/www.westerncape.gov.za/files/documents/2005/7/living_aids_2.pdf
- <https://www.westerncape.gov.za/general-publication/frequently-asked-questions-about-hiv-and-aids>

You could also approach the DCCD about counselling in this regard.

The Advocacy and Resource Centre for Students with Disabilities (ARCSWiD)

You will find more information about this Centre on their web page at <http://www.unisa.ac.za/default.asp?Cmd=ViewContent&ContentID=19553>. You can also contact Ms Vukati Ndlovu at +27 (0)12 441 5470.

6 STUDY PLAN

Refer to the myUnisa module site for the study plan for this module. Use the *Study @ Unisa* brochure for general time-management and planning skills. Consider the number of weeks in the semester, the number of learning units to be covered, due dates for assignments, the examinations, and so forth. The following table is a guideline on how you could schedule your time for the semester. Important due dates are indicated. Complete the rest of the table according to your specific circumstances and timetable.

STUDY FRAMEWORK FOR 2018

WEEK	ACTIVITY	SEMESTER 1	SEMESTER 2
1	Study Tutorial Letter 101	4 February 2018	4 August 2018
2			
3			
4			
5	Submit Assignment 01	26 February 2018	20 August 2018
6			
7			
8			
9	Submit Assignment 02	26 March 2018	17 September 2018
10			
11			
12			
13			
14	Examination starts	Revision	Revision
15			

7 ASSESSMENT

7.1 Assessment plan

Assignments are part of the learning material for this module. While doing the assignments, consulting resources, discussing the work with fellow students or tutors or doing research, you are actively engaging in learning.

You will receive feedback on each assignment on myUnisa. As soon as you have received the feedback, check your answers. The feedback on assignments constitutes an important part of your learning and it should help you be better prepared for the examination.

SEMESTERS 1 AND 2

ASSIGNMENT NUMBER	ASSIGNMENT FORMAT	PERCENTAGE OF YEAR MARK
01	Written	30
02	Written	70

COMPOSITION OF FINAL MARK FOR SEMESTERS 1 AND 2

COMPONENT	PERCENTAGE
Year mark	40
Examination mark	60
Final mark	100

7.2 Assignment numbers and due dates**FIRST SEMESTER**

ASSIGNMENT	UNIQUE NUMBER	DUE DATE
01	834785	26/02/2018
02	752166	26/03/2018

SECOND SEMESTER

ASSIGNMENT	UNIQUE NUMBER	DUE DATE
01	823953	20/08/2018
02	750052	17/09/2018

7.3 Submission of assignments

Submit your assignments online in PDF format via myUnisa. Software to convert Word documents to PDF is available on myUnisa. You can also download a free PDF convertor from: <http://www.primopdf.com/index.aspx>.

To submit your assignment online go to the module site on myUnisa and click on **Assessment Info**. Type in your student number and then click on the number of the assignment you wish to submit. Follow the instructions on the screen to make sure that your assignment is uploaded onto myUnisa. If you experience problems with myUnisa, contact MyUnisaHelp@unisa.ac.za. Describe the problem and/or the error message in detail.

7.4 Plagiarism

Before you start your assignments, **please ensure that you know exactly what plagiarism is!** In this regard you should definitely read the Unisa's policy for Copyright Infringement and Plagiarism policy. It is available under *Student policies & rules* on myUnisa.

When writing an assignment, it is easy to quote someone else and inadvertently forget to cite the source. While compiling your assignment, you consult many sources, and many different ideas clamour for attention in your head. It is easy to copy and paste a quote while forgetting to note the source of that quote. It is equally easy to copy an entire section of someone else's work. However, even if you did not mean to plagiarise, doing it has important consequences. Plagiarism, intentional or not, is a very serious matter. **You will receive 0% if you plagiarise.**

Take note of the following to ensure that you do not plagiarise in your assignment:

It is usually better to paraphrase ideas than to quote directly. In other words, read the source text and then put the ideas into your own words. However, even when paraphrasing, you need to acknowledge the original source.

Whenever you use a fact, phrase, chart or quotation that you have obtained from someone else, acknowledge the original source.

7.5 The assignments

General assignment instructions

- Your assignment must be received by Unisa on or before the closing date.
- Include a cover page containing your name, student number and the title of the essay. When you plan your answer, include an introduction and conclusion.
- Type your essay in Arial font and use 11 or 12 font size; 1.5 line spacing.
- Page margins can be set at 2 cm on all sides (left, right, top and bottom).
- Use a minimum of **ten (10)** references for each essay.
- Make sure that the sources you have consulted are correctly referenced in the text and are included in the reference list.
- Use the Harvard referencing style.
- Consult the referencing guidelines for GGH2604 on myUnisa.

Before you submit your assignments, make sure that you have included the following anti-plagiarism declaration on your assignment cover page:

I declare that

- I am familiar with the contents of the UNISA Policy for Copyright Infringement and Plagiarism and I am aware that the University may constitute disciplinary action for the contravention of this policy
- this assignment is my own work
- all sources consulted have been properly acknowledged according to the **Harvard referencing style**

SEMESTER 1		
ASSIGNMENT 01	UNIQUE NUMBER: 834785	DUE DATE: 26/02/2018

This assignment covers learning units 1, 2, 3 and 4 and it consists of questions based on reflection, data interpretation and referencing techniques.

Assignment 01 Questions

1	Briefly describe what is meant by the term “Anthropocene”.	2
2	The South African population is predicted to grow from 50.6 million currently to 58.5 million by 2030. Migration from neighbouring countries could push this number up to 61.5 million... (Esterhuyse et al 2016:409). Generally, South Africa is a water stressed country and an increase in population especially in the urban areas is expected to worsen the problem. Recently, restrictions on water use were introduced in urban areas in South Africa during lower rainfall periods. Do you think the water scarcity situation in South Africa is an example of the Malthusian, Cornucopian or Marxist perspective? Motivate your answer.	3
3	Study Table 1 below and answer the following questions:	

Table 1: Population size in Khartoum over time (2000-2030) (Source: UN 2016)

City population in thousands			
	2000	2016	2030
Khartoum	3 505	5 265	8 158

	<p>a. Create a line graph from the data in table 1 to show the change in population numbers for Dakar. Your graph must contain the following elements:</p> <ul style="list-style-type: none"> • labelled X-axis • labelled Y-axis • population size for the year 2000 • population size for the year 2016 • population size for the year 2030 	3
	<p>b. Describe and explain the trends revealed by the graph.</p>	2
4.	<p>More than half of global population growth between now and 2050 is expected to occur in Africa (United Nations Population Prospect 2017). The population in urban areas is expected to rise a result of increasing level of migration to cities. An increase in cities population usually leads to an increase in human activities which will likely result in an increase of pollution in urban areas.</p> <p>Describe two major sources of air pollution in the city of Lagos and suggest measures that can be taken to reduce air pollution in the city.</p>	4

5.	<p>Studies indicate that the areas that are most likely to suffer the worst impacts of climate change are Africa and South Asia. Ironically, these areas are some of the places that are the least responsible for the creation of the climate change problem and are least able to protect themselves from its impacts.</p> <p>Explain why Africa and South Asia are most likely to suffer from the effects of climate change. In your answer, make specific reference to the characteristics of the two countries that make them more vulnerable.</p>	6
6	<p>According to Willsher (2016) "... none ever returned to live in Pripyat, declared too radioactively dangerous for human habitation for at least 24,000 years".</p> <p>a. If a nuclear disaster takes place at the Koeberg nuclear power plant (in South Africa), do you think Cape Town will become a ghost town like Pripyat? Indicate whether you agree or disagree and motivate your opinion in one or two sentences.</p> <p>b. Provide three examples in which nuclear power generation plants have affected the natural environment.</p>	2 3
	<p>Identify a topic related to "environmental transformations in Africa" which recently made headlines (during the past 24 months). Consult the referencing guidelines for GGH2604 on myUnisa and then compile a five item reference list containing the following type of sources:</p> <ul style="list-style-type: none"> • journal article, • a book, • a chapter in a book, • conference proceedings • a newspaper article. 	5
	TOTAL MARKS	[30]

References

Esterhuysen, S., Redelinghuys, N. and Kemp, M. 2016. Unconventional oil and gas extraction in South Africa: water linkages within the population–environment–development nexus and its policy implications, *Water International* 41, 3, 409-425.

UN (United Nations). 2017. Department of Economic and Social Affairs, Population Division. World Population Prospects: The 2017 Revision, Key Findings and Advance Tables. Working Paper No. ESA/P/WP/248.

UN (United Nations). 2016. Department of Economic and Social Affairs, Population Division. *The World's Cities in 2016 – data booklet* (ST/ESA/SER.A/392). Geneva: United Nations.

Willsher, K. 2016. Chernobyl 30 years on: former residents remember life in the ghost city of Pripyat. Available from: <https://www.theguardian.com/cities/2016/mar/07/chernobyl-30-years-residents-life-ghost-city-pripyat>. [Accessed on: 29 March 2017].

SEMESTER 1**ASSIGNMENT 02****UNIQUE NUMBER: 752166****DUE DATE: 26/03/2018**

This assignment consists of two essay questions. The length of each essay must **not exceed ten (10) A4 typed pages per question**. Ensure that your student number, module code and anti-plagiarism declaration appear on the cover page. This assignment contributes **70%** to your year mark.

Assignment 02 Questions

<p>Question 01</p> <p>“With a 1-metre sea level rise accompanied by 10 per cent intensification of storm surges, the mangrove areas of Gabon, Cameroon, Guinea, Guinea Bissau and Nigeria and the coastal lagoons of Angola and Ghana, in addition to low-lying coastal urban centres and ports, will be inundated” (UNEP 2016:64).</p> <p>Write an essay in which you:</p> <ol style="list-style-type: none"> a. Discuss the role of mangroves in the functioning of an ecosystem and outline the possible causes and consequences of biodiversity loss in mangroves. b. Suggest and explain remedial actions that can reduce or prevent biodiversity loss in mangroves. You will benefit by providing real world examples in your answer. 	25
<p>Question 02</p> <p>Mountain farming communities have evolved over centuries and have practised a range of soil conservation technologies to safeguard their soil resources.</p> <p>Write an essay in which you:</p> <ol style="list-style-type: none"> a. Examine the origin and characteristics of the following soil conservation techniques that have been adopted by the farming communities in East Africa and assess their effectiveness in soil conservation: <ol style="list-style-type: none"> (a) <i>Konso</i> terracing practised in Ethiopia (b) <i>Fanya juu</i> terracing in Machakos, Kenya (c) Contour terracing in Kigezi region, Uganda b. Suggest the most effective approach and provide reasons to support your opinion. 	25

Guidelines for Assignment 02

Guidelines for Question 01	Mark
Essay includes introduction and conclusion.	5
Content reflects detailed knowledge and understanding of: <ul style="list-style-type: none"> ○ The role of mangroves in the functioning of ecosystems ○ Outline of the possible causes and consequences of biodiversity loss in mangroves. ○ Suggest and explain remedial actions that can reduce or prevent biodiversity loss in mangroves. 	10 10 5
Language and Grammar	5
Referencing	5
TOTAL MARKS	[40]

Guidelines for Question 02	Mark
Essay includes introduction and conclusion.	5
Content reflects detailed knowledge and understanding of: The origin and characteristics of the following soil conservation techniques: <ul style="list-style-type: none"> (a) <i>Konso</i> terracing practised in Ethiopia (b) <i>Fanya juu</i> terracing in Machakos, Kenya (c) Contour terracing in Kigezi region, Uganda Effectiveness of techniques in soil conservation: <ul style="list-style-type: none"> (a) <i>Konso</i> terracing practised in Ethiopia (b) <i>Fanya juu</i> terracing in Machakos, Kenya (c) Contour terracing in Kigezi region, Uganda Suggested effective approach and reasons to support your opinion	4 4 4 4 4 4 5
Language and Grammar	5
Referencing	5
TOTAL MARKS	[40]

Reference

UNEP (United Nations Environmental Programme). 2016. *GEO-6 regional assessment for Africa*. Nairobi, Kenya: United Nations Environment Programme.

SEMESTER 2		
ASSIGNMENT 01	UNIQUE NUMBER: 823953	DUE DATE: 20/08/2018

This assignment covers learning units 1, 2, 3 and 4 and it consists of questions based on reflection, data interpretation and referencing techniques.

Assignment 01 Questions

1	Explain what is meant by the term “geoengineering”.	2
2	According to Carolyn Merchant, the two opposing environmental worldviews should be viewed together as a means of leading to environmental recovery. Which worldview do you support the most – the human mastery of nature (technocentrism) or the deep green environmental care (ecocentrism) worldview? Motivate your answer.	3
3	Study Table 2 below and answer the following questions:	

Table 2: Population size in Khartoum over time (2000-2030) (Source: UN 2016)

City population in thousands			
	2000	2016	2030
Khartoum	3 505	5 265	8 158

	<p>Create a line graph from the data in table 2 to show the change in population numbers for Khartoum.</p> <p>Your graph must contain the following elements:</p> <ul style="list-style-type: none"> • labelled X-axis • labelled Y-axis • population size for the year 2000 • population size for the year 2016 • population size for the year 2030 	3
4.	<p>Esterhuysen et al. (2016: 409) argue that, “Of the world’s countries, South Africa is the twelfth-largest carbon emitter, because its energy-intensive economy is currently heavily dependent on carbon-based fuels. Unconventional Oil and Gas (UOG) is viewed as a transitional fuel that could, in the long term, assist in reducing carbon emissions...” Recently, the Minister of Energy and Mineral Resources issued permission for the development of shale gas extraction in the Karoo.</p>	
	<p>a. In your opinion, is the exploitation of UOG resources an effective way of reducing South Africa’s carbon footprint? Provide reasons to support your answer.</p>	3
	<p>b. Briefly describe the ecological characteristics of the Karoo and explain how gas extraction (fracking) may negatively affect the natural environment of the Karoo.</p>	8

5.	Explain how the process of nuclear power generation may result in severe environmental degradation. You will benefit by providing real world examples in your answer.	6
6	Identify a topic related to “environmental transformations in Africa” which recently made headlines (during the past 24 months). Consult the referencing guidelines for GGH2604 on myUnisa and then compile a five item reference list containing the following type of sources: <ul style="list-style-type: none"> • journal article, • a book, • a chapter in a book, • conference proceedings • a newspaper article. 	5
TOTAL MARKS		[30]

Reference

UN (United Nations). 2016. Department of Economic and Social Affairs, Population Division. *The World's Cities in 2016 – data booklet* (ST/ESA/ SER.A/392). Geneva: United Nations.

SEMESTER 2**ASSIGNMENT 02****UNIQUE NUMBER: 750052****DUE DATE: 17/09/2018**

This assignment consists of two essay questions. The length of each essay must **not exceed ten (10) A4 typed pages per question**. Ensure that your student number, module code and anti-plagiarism declaration appear on the cover page. This assignment contributes **70%** to your year mark.

Assignment 02 Questions

<p>Question 1</p> <p>1. South Africa is renowned for the diversity and richness of its mineral wealth, the exploitation of which has sustained the economic growth of the country since the mid-1800s. However, this minerals-driven growth has been associated with a number of undesirable environmental impacts — perhaps the most severe and insidious adverse legacy of the mining industry is acid mine drainage (AMD), especially that arising from coal and gold mining” (Humphries et al 2017:1).</p> <p>Write an essay in which you:</p> <ol style="list-style-type: none"> Critical evaluate the role of mining in economic growth in Africa since the 1800s. Outline how acid mine drainage (AMD) affects ecosystems in Africa negatively. Provide real world examples. Suggest and discuss remedial actions that will reduce or prevent acid mine drainage 	25
<p>Question 2</p> <p>2 Ethiopia is in the final stages of constructing the largest hydropower dam in Africa within the Blue Nile Basin called the Grand Ethiopian Renaissance Dam (GERD) with a storage capacity of about 74 Billion Cubic Litres (BCL). The Blue Nile Basin is a source of about 85% of Nile River water and the impoundment of water is expected to significantly reduce the flow of water in the Nile River (Yihdego et al., 2017).</p> <p>Write an essay in which you:</p> <ol style="list-style-type: none"> Assess the possible ecological effects of the GERD construction on downstream ecosystems that depend on the Nile River. <p>According to UNEP (2016:16), Africa “... is warming faster than the global average, with projections of a rise of 3 – 4 °C this century.</p> <ol style="list-style-type: none"> Explain how climate change associated with an increase in temperature and low rainfall may exacerbate the water scarcity problem in Sudan and Egypt, the two downstream countries that depend on the Nile River. 	25

c. Describe the role of the Paris Agreement in international climate change adaptation.	
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Guidelines for Assignment 02

Guidelines for Question 01	Mark
Essay includes introduction and conclusion.	5
Content reflects detailed knowledge and understanding of:	25
<ul style="list-style-type: none"> ○ Evaluate the role of mining in economic growth in Africa since the 1800s. 	10
<ul style="list-style-type: none"> ○ Outline how acid mine drainage (AMD) affects ecosystems in Africa negatively. Provide real world examples. 	10
<ul style="list-style-type: none"> ○ Suggest and discuss remedial actions that will reduce or prevent acid mine drainage 	5
Language and Grammar	5
Referencing	5
TOTAL MARKS	[40]

Guidelines for Question 02	Mark
Essay includes introduction and conclusion.	5
Content reflects detailed knowledge and understanding of:	
<ul style="list-style-type: none"> ○ Assess the possible ecological effects of the GERD construction on downstream ecosystems that depend on the Nile River. 	10
<ul style="list-style-type: none"> ○ Explain how climate change associated with an increase in temperature and low rainfall may exacerbate the water scarcity problem in Sudan and Egypt, the two downstream countries that depend on Nile River. 	10
<ul style="list-style-type: none"> ○ The role of the Paris Agreement in international climate change adaptation 	5
Language and Grammar	5
Referencing	5
TOTAL MARKS	[40]

Reference

Humphries, MS, McCarthy, TS and Pillay, L. 2017. Attenuation of pollution arising from acid mine drainage by a natural wetland on the Witwatersrand. *South African Journal of Science* 113:1–9.

Yihdego, Y., Khalil, A. and Salem, H.S., 2017. Nile River's Basin Dispute: Perspectives of the Grand Ethiopian Renaissance Dam (GERD).

7.6 The examination

For general information on and requirements for examinations, see the *Study @ Unisa* brochure.

Examination admission

To gain admission to the examination for this module, you will have to submit any assignment **on or before its due date**. If you do not submit any assignment, you will not be admitted to the examination.

Supplementary, aegrotat and special examinations

Students who qualify for a supplementary, aegrotat or special examination should note that the structure and scope of the examination paper and the guidelines for the examination might vary slightly from semester to semester. Students who have the opportunity to write a supplementary, aegrotat or special examination are not registered for the semester in which they write the supplementary examination; they are still registered for the semester in which they wrote the examination for the first time. They will therefore not receive any tutorial matter via the official channels for the semester in which they write the supplementary, aegrotat or special examination. This implies that they will not receive, for example, the tutorial letter containing examination guidelines for the semester in which they will write the supplementary, aegrotat or special examination. If you are writing a supplementary, aegrotat or special examination, you will have to contact your lecturer to arrange for a copy of the tutorial letter containing the examination guidelines to be sent to you to help you prepare for the examination.

If illness prevents you from writing an examination, you may apply to the Examination Section for permission to write an aegrotat or special examination at the end of the next semester. Full particulars on and the requirements for aegrotat and special examinations are contained in *Study @ Unisa*. Do not address your application for an aegrotat or special examination to the Department of Geography, and do not send your medical certificate to the lecturer who is responsible for this module.

Examination period

This module is offered over a semester period of 15 weeks. This means that, if you are registered for the first semester, you will write the examination in May/June 2018 and the supplementary examination, if necessary, in October/November 2018. If you are registered for the second semester, you will write the examination in October/November 2018 and the supplementary examination, if necessary, in May/June 2019.

During the semester, the Examination Section will provide you with information on the examination in general, examination venues, examination dates and examination times.

Examination paper

Work through the study material and the learning unit activities in GD001 at a regular pace to prepare properly for the examination. Keep in mind that the semester is very short. Do not wait until a few days before the examination because you think that you will be able to master all the material by "cramming". This method of study will not work for this module.

You will write one examination paper of **two hours** for this module. The examination paper will consist of questions that will require written answers of varying lengths.

Previous examination papers

Avoid consulting previous examination papers. Previous examination papers were set according to a previously prescribed textbook and they **will not** assist you with your examination preparation.

Examination guidelines

To help you prepare for the examination, you will receive important information on myUnisa that explains the format of the examination paper and specifies the material that you will have to study for examination purposes.

8 CONCLUSION

We hope that you will find the module interesting and rewarding. You will be well on your way to success if you start studying early in the semester and resolve to do the assignments properly.

We trust that you will enjoy this module and that the knowledge and skills you acquire will motivate you to continue your studies in geography and learn even more about environmental issues and about the way that they could be resolved.

9 ETHICS STATEMENT

GGH2604 students should take note that your lecturer may or may not require information from you for research purposes. The information required may be from the assignments you complete, additional activities your lecturer may ask you to take part in or comment on, or the marks you have achieved for your assignment or anything related to the teaching of the module for which you have registered. In all these instances, the information provided by you will not identify you in any way. Your identify will remain anonymous and the information you provide will remain confidential. The lecturer will not use your information in any way that is unethical or that does not abide by the Unisa policy on research ethics. The lecturer will also apply to the Ethics Research Committee for ethics clearance to conduct research on specific data from the module, after which approval will be obtained from the Research Permission Sub-Committee of Unisa to use Unisa student data. Through this research, the lecturer will be able to improve and develop this module for future students. If you cannot consent to your lecturer using the information indicated above, please inform your lecturer via e-mail.

10 ACKNOWLEDGEMENT

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Shandukani Nenwiini

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