

BINDURA UNIVERSITY OF SCIENCE EDUCATION
FACULTY OF AGRICULTURE AND ENVIRONMENTAL SCIENCE
DEPARTMENT OF NATURAL RESOURCES

Regulations for the Bachelor of Science Honours degree in Natural Resources Management (B. Sc. NRM, 4 years full-time)

1. Preamble

These regulations shall be read in conjunction with the General Regulations for undergraduate degrees of Bindura University of Science Education that have precedence over these Regulations.

2. Aim

The general aim of the programme is to produce graduates who are conversant with natural resources management issues at national, regional and global levels.

3. Learning Outcomes

On completion of the degree programme, the graduate will have acquired knowledge on current natural resources management. The skills that shall be acquired include:

- initiating natural resources utilization and management enterprises;
- carrying out environmental advocacy for environmental protection;
- applying principles and practices for forest and wildlife management;
- conducting research in various natural resources aspects;
- demonstrate managerial skills in sustainable management of land, forest, wildlife and water resources;
- planning management for natural resources management;
- monitoring natural resources projects;
- conducting rural livelihoods assessment;
- conducting environmental and social impacts assessment and
- environmental education and extension.
-

4. Career Opportunities

The graduate can be employed in several natural resources management sectors nationally and internationally such as the United Nations Development Programme (UNDP), United Nations Environment Programme (UNEP), World Heritage Centre, Global Environment Facility, African Wildlife Foundation, the Ministry of Environment, Water and Climate, Government parastatals such as the Environmental Management Agency, Parks and Wildlife, various Non-Governmental Organisations, Environmental Consultancies, Nature based Tourism, Transboundary natural Resources and other related organisations. Upon completion of the programme, graduates should be able to carry out planning, implementation, monitoring and evaluation of natural resources projects at international, national and local levels. Career opportunities include:

- natural resource entrepreneurs;
- environmental advocates;
- forest and wildlife officers;

- researchers;
- natural resource planning officers;
- conservationists;
- rural livelihood officers;
- environmental consultants and
- project monitors and evaluators.

5. Entry Requirements

For admission one should have the following qualifications:

5.1 At least 5 'O' level passes, including English language, a Science subject and Mathematics with grade C or better.

5.2 Passes at Advanced Level in at least two subjects as follows:

Category 1: Any two of the following: Mathematics, Biology, Agricultural Subject, Chemistry, Physics and Environmental Science.

Category 2: Geography or Environmental Science or Environmental Management and any other 'A' level subject.

5.3 Candidates without 'A' levels, but are holders of relevant National Diplomas from recognised Institutions shall be considered.

6. Structure of Programme

6.1 The Programme shall extend over a period of four years of full time study, each year comprising two semesters.

6.2 Normally the degree programme shall be arranged as follows;

6.2.1	Part I	Semester I	Semester II
6.2.2	Part II	Semester I	Semester II
6.2.3	Part III	Semester I	Semester II
6.2.4	Part IV	Semester I	Semester II

6.3 Students are expected to take a minimum of ten courses in each part, excluding Part III.

7. Registration

7.1 No candidate may register for a Course unless he/she has passed all the prerequisites for that Course before the beginning of the Semester in which the Course is being offered.

7.2 A student is only allowed to register a given Course combinations as long as they are feasible in terms of the provisions of the timetable.

7.3 The Departmental Board shall sanction the combination of Courses that a student may choose to do.

8. Industrial Attachment (NR 300) Course

8.1 Students shall be attached at relevant organizations for at least eight (8) months.

8.2 The student shall produce a report following the format set by the Department towards the end of their attachment.

8.3 Lecturers shall normally assess students twice during the period of attachment

8.4 There shall be line supervisors at places of attachment who shall assess each student's progress.

8.5 Final mark for Industrial Attachment. The weighting of the assessment shall be as follows:

8.5.1 Student Report: 50%

8.5.2 University Supervisor(s)/Lecturers: 20%

8.5.3 Line Supervisor(s): 30%

9. Scheme of Examination

9.1 There shall be a set of formal examinations at the end of each semester.

9.2 Assessments shall be based on Course Work and Formal Examinations. Course Work shall account for 30% and the Formal Examination shall account for 70% of the overall mark.

9.3 The assessment of a Research Project shall be based on a dissertation submitted at a date determined by the Departmental Board. Students may be required to present a seminar or attend an oral examination based on the project.

10.0 Determination of Results

10.1 For each Course and student the Departmental Board Examiners shall determine final mark.

10.2 The Departmental Board of Examiners shall submit, for each Course under its control and each student, enrolled in that Course, the final mark to the Faculty Board of Examiners.

11.0. Awarding and Classification of Degree.

11.1 To be eligible for the award of a Bachelor of Science Honours degree in Natural Resources Management, a candidate must have:

11.1.1 passed all core courses in the programme.

11.1.2 accumulated a minimum of 516 credits.

11.2 The following grading shall be adopted for all courses and degree:

Class 1: 75-100%

Class 2.1: 65-74%

Class 2.2: 60-64%

Pass: 50-59%

Fail: Less than 50%

11.3 Each degree shall be classified using results of Part I, Part II, Part III and Part IV, the weighting shall be as follows:

Part I	10%
Part II	30%
Part III	20%
Part IV	40%

11.4 In each Part excluding Part III, marks for the ten courses in which the student has obtained the highest score, including marks for all the Core Courses, will be used to classify the student's degree result.

11.5 Results shall be published in accordance with the provisions of the General Regulations.

COURSES

Part I

Code	Narration	Core	Pre-req	Credits	Notional Hours	Contact Hours	Assessment Hours	Independent Study Hours
CS101	Introduction to Computer Science	Y		14	140	65	15	60
HS102	Health Education	Y		14	140	65	15	60
NR101	Principles & Processes of Ecosystems	Y		12	120	60	10	50
NR102	Fundamentals of Water Resources Management	Y		12	120	60	10	50
NR103	Basic Statistics			14	140	65	15	60
NR104	Principles of Social Anthropology			12	120	60	10	50
NR105	Introductory Economics			12	120	60	10	50
NR106	Basic Forestry & Wildlife Science	Y		12	120	60	10	50
NRF101	General Soil Science	Y		12	120	60	10	50
NRF102	Introduction to Plant Science			12	120	60	10	50
NRM101	Principles of Sustainable Development			12	120	60	10	50
NRM 102	Global Environmental Issues			12	120	60	10	50
NRM 103	Introduction to Environmental Pollution	Y		12	120	60	10	50
NRM 104	Introduction to Mineral Resources			12	120	60	10	50
PC 103	Communication Skills	Y		12	120	60	10	50
PC 108	Citizenship Education & Conflict Transformation	Y		12	120	60	10	50

KEY

Y - Core-course
 Pre-req - Pre-requisite course

Part II

Code	Narration	Core	Pre-req	Credits	Notional Hours	Contact Hours	Assessment Hours	Independent Study Hours
ES210	Environmental Management Systems	Y		12	120	60	10	50
ES211	Environmental Impact Assessment	Y		14	140	65	15	60
ES218	Waste Management			12	120	60	10	50
ESM202	Occupational Health & Safety			12	120	60	10	50
NR201	Research Methods	Y	NR103	14	140	65	15	60
NR203	GIS and Remote Sensing	Y		14	140	65	15	60
NR204	Apiculture			12	120	60	10	50
NR205	Natural Resources Legislation	Y		12	120	60	10	50
NR206	Fire Management	Y		12	120	60	10	50
NRF202	Forest Botany			12	120	60	10	50
NRM201	Natural Resources Evaluation	Y		12	120	60	10	50
NRM203	Mineral Resources Management			12	120	60	10	50
NRM204	Environmental Education			12	120	60	10	50
NRM205	Land Management & Conservation	Y		12	120	60	10	50
NRW209	Aquaculture			12	120	60	10	50
NRW210	Wildlife Resources Management			12	120	60	10	50

KEY

Y - Core-course
 Pre-req - Pre-requisite course

Part III

Code	Narration	Core	Pre-req	Credits	Notional Hours	Contact Hours	Assessment Hours	Independent Study Hours
NR301	Industrial Attachment	Y		120	1200			

KEY

Y - Core-course
Pre-req - Pre-requisite course

Part IV

Code	Narration	Core	Pre-req	Credits	Notional Hours	Contact Hours	Assessment Hours	Independent Study Hours
AGE401	Organizational Behaviour			12	120	60	10	50
ES413	Project Planning & Management	Y		12	120	60	10	50
ES415	Environmental Disaster Management	Y		12	120	60	10	50
NR402	Agroforestry			12	120	60	10	50
NR404	Nature-Based Entrepreneurship	Y		12	120	60	10	50
NR405	Natural Resources & Climate Change	Y		12	120	60	10	50
NR460	Research Project	Y	NR201	36	360	18	2	340
NRF404	Forest Resources Management			12	120	60	10	50
NRM401	Rural Development & Extension			12	120	60	10	50
NRM402	Environmental Economics			12	120	60	10	50
NRM403	Land Reclamation & Re-vegetation			12	120	60	10	50
NRM404	Community Based Natural Resources Management	Y		12	120	60	10	50
NRM405	Livelihoods and Vulnerable Communities			12	120	60	10	50
NRM406	Development Planning & Natural Resources Management			12	120	60	10	50
NRW402	Ecotourism			12	120	60	10	50

KEY

Y - Core-course
 Pre-req - Pre-requisite course