

## **Proposed programme structure for BSc. Environmental Management**

### **Bachelor of Science consists of:**

A three year Bachelor's degree shall comprise a minimum of 360 credit points at or above Level 5, with a minimum of 240 credit points at or above Level 6, and a minimum of 120 credit points at or above Level 7.

Students must complete 360 credit points from units at 500-700 level (including three generic units).

### **A single major in a science subject, is awarded upon completion of**

- 140-160 credits in the subject, with at least 30-35 credits are 500 level, 40-50 credits at 600 level and 60-70 credits at 700 in each of the major subject.
- At least 75 credit in two other subjects wherein at least 20 credits is earned at 500,600 and 700 level each.
- At least 30 credit from any other subject units at 500-700 level or their equivalent
- Criteria 2 and 4 apply simultaneously.

### **Compulsory units**

- In year 1, there are two compulsory units.
- In year 2, there are three compulsory units for double major, and four compulsory units for single major.
- In year 3, there are 3 compulsory units for double major and four compulsory units for single major.

### **Optional Units**

- A few core elective units are available in each subject in the 1st year (500 level) that will not only help the students to obtain a good foundation but also help understand the subjects of year 2 (600 level) and the year 3 (700 level). A number of optional elective units are made available at year 2 and in year 3. However students are not limited to these units only, and are encouraged to earn credits completing units in any other subject/ Discipline of their choice that are offered at 500, 600 and 700 level. It is always advised to select units in consultation with staff to ensure qualification in the direction of one's desired career.

Below is the list of Environmental Management and Environmental Management related units taught at the three trimesters at the three campuses at 500 levels, 600 levels and 700 levels. You may select your choice of units to obtain the required credits in consultation with the lecturers of the Department of Environmental Science.

**Note: The proposed units to be of the electives are highlighted in blue.**

<b>YEAR 1- 500 level</b>				
<b>Unit Code</b>	<b>Unit Name</b>	<b>Credit</b>	<b>Trimester</b>	<b>Campus</b>
<b>ENS 501 Compulsory unit</b>	<b>Introduction to Environmental Science</b>	<b>12</b>	<b>1</b>	<b>Lautoka, Nabua, Labasa</b>
CHM 505	Introductory Chemistry	12	1	Lautoka
MTH 503	General Mathematics	12	1	Nabua
BIO 511	Introductory Biology	12	1	Lautoka, Nabua
<b>ENS 502 Compulsory Unit</b>	<b>Introduction to Natural Resources Management</b>	<b>12</b>	<b>2</b>	<b>Lautoka, Nabua, Labasa</b>
PHY 506	Introductory Physics	12	2	Lautoka, Nabua, Labasa
CHM 502	Analytical Chemistry	12	3	Lautoka, Labasa, Nabua
MTH 510	Elementary Algebra and Statistics	12	3	Lautoka
ENS503	Environmental Field Sampling	12	3	Lautoka , Nabua , Labasa
BIO508	Cell Biology	12	2	Lautoka , Nabua , Labasa
<b>EVG501 Generic</b>	<b>Ethics, Values and Governance</b>	<b>10</b>	<b>TBC</b>	<b>Lautoka, Nabua, Labasa</b>
<b>LNG501 Generic</b>	<b>Language for Academic Studies</b>	<b>10</b>	<b>TBC</b>	<b>Lautoka, Nabua, Labasa</b>
MTH514	Probability and Statistics	12	3	Lautoka, Nabua,
CIN502	Information Statistics and Organization	10	2	Lautoka, Nabua, Labasa
BIO507	Environmental Biology	12	2	Lautoka, Nabua
COM501	Communication Literacy I	10	1	Lautoka, Samabula, Nadi, Labasa
COM503	Communication Literacy III	10	1	Lautoka, Samabula, Nadi, Labasa
<b>CIN506 Generic</b>	<b>Information systems in organizations</b>	<b>16</b>	<b>TBC</b>	<b>Lautoka, Nabua, Labasa</b>

<b>Year 2-600 level</b>				
<b>Unit Code</b>	<b>Unit Name</b>	<b>Credit</b>	<b>Trimester</b>	<b>Campus</b>
<b>ENS602 Compulsory unit</b>	<b>Environmental Issues &amp; Management</b>	<b>16</b>	<b>1</b>	<b>Lautoka, Nabua</b>
<b>ENS603 Compulsory unit</b>	<b>Environmental Law</b>	<b>16</b>	<b>1</b>	<b>Lautoka, Nabua</b>
PHY 601	Environmental Physics	16	1	Lautoka, Nabua, Labasa
MTH 602	Statistical Mathematics	15	1, 2	Nabua
<b>ENS604 Compulsory unit for single major</b>	<b>Environmental Research Methodologies</b>	<b>14</b>	<b>2</b>	<b>Lautoka, Nabua</b>
CHM 601	Instrumental Chemistry	12	2	Nabua
<b>ENS610 Compulsory unit</b>	<b>Biodiversity Conservation and Sustainable Development</b>	<b>14</b>	<b>3</b>	<b>Lautoka, Nabua</b>
ENS601	Environmental Biology	16	2	Lautoka, Nabua
CHM 604	Environmental Chemistry	14	3	Lautoka
BIO604	Ecology	14	3	Nabua , Lautoka
ENS611	Environmental Pollution	16	1	Nabua, Lautoka
<b>Year 3- 700 level- only available at Lautoka</b>				
<b>ENS701 Compulsory unit</b>	<b>Climate Change &amp; the South Pacific</b>	<b>20</b>	<b>1</b>	<b>Lautoka</b>
ENS703	Fiji and South Pacific Freshwater Ecology	20	1	Lautoka
ENS707	Advanced Earth Processes and Resources	20	1	Lautoka
PHY 703	Renewable and Sustainable Energy	20	1	Lautoka
ENS705	Fiji and South Pacific Coastal Management	20	2	Lautoka
<b>ENS706 Compulsory unit</b>	<b>Environmental Impact Assessment</b>	<b>20</b>	<b>2</b>	<b>Lautoka</b>
ENS708	Geographic Information Systems	20	2	Lautoka
MTH 707	Advanced Statistics	20	2	Lautoka
ENS702	Marine Ecology	20	3	Lautoka

ENS704	Fiji and South Pacific Terrestrial Ecology	20	3	Lautoka
<b>ENS709</b> <b>Compulsory for single major</b>	Field Project	20	3	Lautoka
BIO705	Molecular Biology & Biotechnology	20	2/3	Lautoka
PHY 708	Principles of Energy Conservation and Utilization	20	3	Lautoka