

## BSc Extended Degree Programme - Faculties of Science and AgriScience

## BEng Extended Degree Programme - Faculty of Engineering

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## THE EXTENDED DEGREE PROGRAMMES (EDP)

The Extended Degree Programmes (EDP) offer alternative access to the broad STEM fields (Programmes in BSc Biological Sciences, BSc Physical Sciences, BSc Mathematical Sciences, BScAgric, BScFor, BScConsEcol, BSc Food Sc. and B Eng). EDP enable students to acquire academic skills and knowledge needed to complete a degree programme successfully. The additional first-year consists of foundational modules that focus on foundational disciplinary concepts and content, as well as soft skills for advanced learning. Following this route implies that the duration of study will be one year longer than the standard programme (BSc thus takes 4 years, and BSc Agric and B Eng 5 years). For example, the progression of a standard 4-year degree programme will be as follows:

2023 = Modules with foundation content

2024 = 1st year modules

2025 = 2nd year modules

2026 = 3rd year modules

2027 = 4th year modules

On completion of this programme, the degree received by students is identical to that of students who studied mainstream programmes.

### Faculties of Science and AgriScience

Students can enter a BSc programme of their choice (in the Sciences or AgriSciences) via this route if they comply with the minimum university entry requirements but fail to meet the minimum admission requirements, average percentage (%) obtained for the NSC (excluding Life Orientation), or specific faculty programme criteria by one symbol in one of the designated subjects, namely Mathematics or Physical Science.

### Faculty of Engineering

Students who comply with the entry requirements for the 4-year programmes, but do not comply with the selection criteria, as well as students that meet the entry requirements for the extended programmes will be considered for BEng (EDP).

## CURRICULUM OF THE FIRST-YEAR OF EXTENDED DEGREE PROGRAMMES

All EDP students register for Chemistry 176, Physics 176, Scientific Communication Skills 116 and 146, Computer Skills 176 and University Practice 176. For Mathematics, Biology and Preparatory Technical Drawings, students register according to their programme:

- BSc Biological Sciences, BScAgric, BScConsEcol, BSc Food Sc: Register for Mathematics 176 and Biology 146.
- BSc Physical Sciences, BSc Mathematical Sciences, BScFor, Interdisciplinary BSc, BSc Physical Sciences, BSc Mathematical Sciences: Register for Mathematics 186 and Biology 146 **or with** permission for Preparatory Technical Drawings 146.
- B Engineering: Register for Mathematics 186 and Preparatory Technical Drawings 146.

Module code	Full Year Modules	Contact per week	Credits
11479 176	Chemistry	3L 3P	32
50040 176	Computer Skills	2L 2T	8
21539 186 or 21547 176	Mathematics	3L 3T	32
12988 176	Physics	3L 3T	32
64007 176	University Practice in the Natural Sciences	4L	8
	<b>1st semester Modules</b>		
59730 116	Scientific Communication Skills	3L 3T	12
	<b>2<sup>nd</sup> semester Modules</b>		
25046 146 or 12202 146	Biology or Preparatory Technical Drawings	3L 3P	16
59730 146	Scientific Communication Skills	3L	6
	<b>TOTAL</b>		146

L = Lecture, P = Practical, T = Tutorial

EDP students are required TO PASS ALL their modules in the first EDP year (foundation year), thus achieve 146/146 credits = 1 HEMIS credit, to progress to first year in mainstream.

## THE EDP LECTURERS

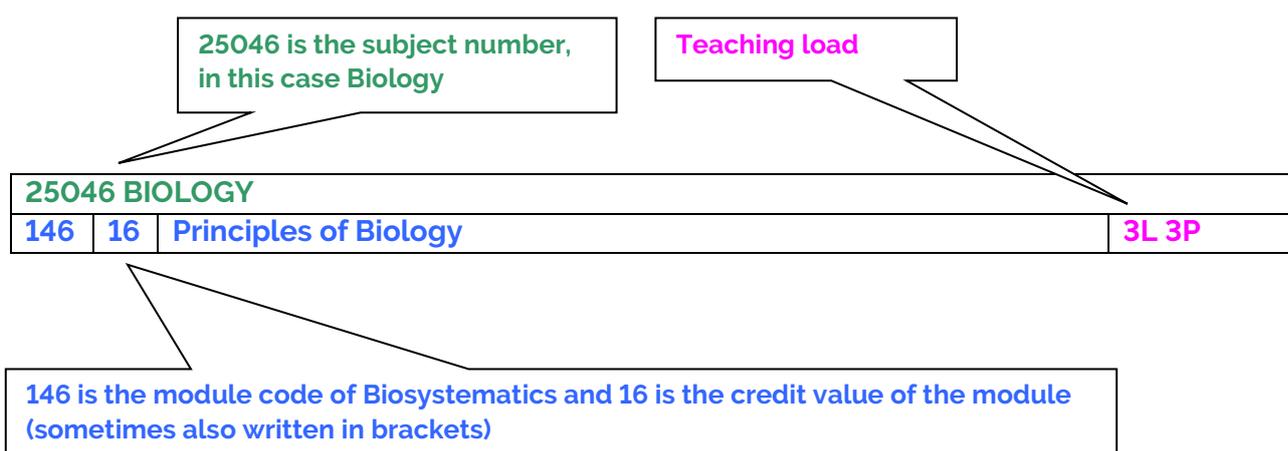
Module	Name	Title	Address on campus	Tel	E-mail
Biology 146 and EDP Coordinator	Mouton, M	Dr	Natural Science 2022	808 2717	marnel@sun.ac.za
Chemistry 176	Botha, E	Dr	De Beers Building, DEB 1037	808 2659	bothae@sun.ac.za
Computer Skills 176	Govender, I	Mr	Natural Science 3017	808 3099	ieg@sun.ac.za

Mathematics 176	Burger, EJ	Mrs	Mathematical Science/Industrial Psychology 3005	808 2628	ejburger@sun.ac.za
Mathematics 186	Fish, W	Dr	Mathematical Science/Industrial Psychology 3006	808 3269	wfish@sun.ac.za
Mentor Coordinator	Southey, P	Dr	Merensky 0056	808 3361	southey@sun.ac.za
Physics 176	Andrews, G	Mr	Merensky 0058	808 2522	glandrews@sun.ac.za
Preparatory Technical Drawings 146	Trincherro, P	Mr	Mechanical and Mechatronic Engineering building M4027	808 4265	ptrincherro@sun.ac.za
Scientific Communication Skills 116	Coetsee, Y	Mrs	Bosman street 7, Room 1001	808 9172	yc@sun.ac.za
Scientific Communication Skills 146	Binneman, A	Dr	Kleine Bosch 106 (Banghoek 44)	808 9731	arne@sun.ac.za
University Practice in the Natural Sciences 176	Coetzee, M	Mrs	BOSM7 2002	808 2811	mcoetzee@sun.ac.za
	Du Plessis, A	Dr	Murray street 12, Office 100	808 2598	sadp@sun.ac.za

## GENERAL INFORMATION

### Module information

A subject number consisting of five digits represents all subjects. Each module is represented by a three-digit module code in which the year of study and semester of presentation are combined.



The module code (e.g. 146).

The first digit of the code:	Indicates whether it is a 1 <sup>st</sup> , 2 <sup>nd</sup> , 3 <sup>rd</sup> or 4 <sup>th</sup> year module
The second digit of the code:	1 or 2 or 3 - first semester module 4 or 5 or 6 - second semester module 7 or 8 - a year module
The last digit of the code:	Has no specific meaning for students

**Example:** Biology 146 (16) is offered during the 2nd semester of the first-year and a student will acquire 16 credits on completion thereof. The teaching load of Biology 146 therefore amounts to three lectures plus three practical lessons (usually presented as one practical of ± 2½ hours) per week for the duration of the module during the 2<sup>nd</sup> semester.

The following abbreviations indicate the teaching load:

- L - Lecture lasting 50 minutes each
- P - Practical lasting 50 minutes each
- S - Seminar lasting 50 minutes each
- T - Tutorial lasting 50 minutes each

## SUNLEARN

- All students have access to module specific pages on SUNLearn. On these pages you will find the relevant and very important information and announcements regarding the module.
- Students can find the module's learning material on this platform – usually in a weekly format.
- Check regularly for any communication, new learning material and activities. Make sure when the due dates are for these learning activities and assessments.
- **It is your responsibility to be and stay up to date and informed!**

## ATTENDANCE AND ABSENCE

We do our best to provide academic and non-academic support. However, students need to take responsibility and make the most of this year, as this it is a **once only opportunity**. Therefore:

- Attend all your classes
- Work every day

- Keep to deadlines and make sure of due dates
- Make use of the help and support offered
- Be on time in case of face-to-face classes - classes start exactly on the hour.

Keep in mind that this programme is a way to determine students' commitment and acceptance of responsibilities towards his or her studies. **If a student fails one or more of the modules, he/she can therefore not proceed to first-year in mainstream.** Admission to other programmes in other faculties than Science, AgriSciences and Engineering depends on the other faculty's admission requirements. Please remember that these regulations are strictly applied. It is also important to discuss these requirements with parents or persons/bursaries/companies responsible or assisting you.

In case you experience serious personal, health related or any other problems that you consider a barrier to your studies, it is very important that you discuss problems with the Centre for Student Counselling and Development (contact details below) and inform the programme coordinator.

If you have been absent or know you are going to be absent for any length of time, you need to submit a request for leave of absence from the Registrar's office: Ms Shivvon Ruiters ([shivvon@sun.ac.za](mailto:shivvon@sun.ac.za)) and discuss the reason with the lecturer as soon as possible. If you are absent because of illness you need to comply with the regulations as in 2023 General Calendar. Whatever the illness or reason for absence may be, it will never exempt you from any deadlines. If you comply with the regulations regarding leave of absence, you will be granted an opportunity to catch up.

## ASSESSMENT

It is very important that you are aware of the SU assessment policy. At the beginning of each module, students will be informed by the lecturer how the module will be assessed. Details are usually provided in the Module Framework of each module. In order to pass, you need to attain a mark of 50% and higher in each individual module.

## REQUIREMENTS TO PROCEED TO MAINSTREAM DEGREE PROGRAMME

- Students **must pass all the modules** of their foundation phase first-year. It is not possible to repeat the foundation phase first-year.
- At the end of the 1st semester, the progress of each student will be considered. Students that have not demonstrated that they are likely to meet the progression requirements at the end of the year, based on our extensive experience with prior

students, will be advised to end their studies in the extended degree programmes mid-year and rather apply for other programmes of study for the next year.

- All modules follow the **flexible assessment policy of SU**. All work is assessed throughout the year; therefore, there are no formal second test opportunities.
- You cannot repeat any of the foundation phase modules (Mathematics 176 and 187, Physics 176, Chemistry 176, Biology 146 or Preparatory Technical Drawings 146) that you fail this year. This rule is different from those for mainstream modules, so whatever you are told by "other students" or as in the General Calendar, regarding credits you need to proceed or repeating of modules, this year (first year) is different for students in extended degree programmes and the rules and regulations stated in this guide **will** apply.
- If a student passed all modules at the end of this year, he/she can proceed with studies in 2024 (Engineering students must meet further requirements as mentioned below).
- If a student does not pass all modules, final marks and the overall commitment of a student will be taken into consideration when a committee, chaired by the vice-deans of the faculties, reviews each student's performance at the end of the year and makes recommendations regarding the progression of their studies.
- If you are not allowed to further your studies as an extended degree programme student, it is possible that you can enter other programmes at the university where you
  - Qualify **with your Grade 12 marks**,
  - **And**, if you obtained sufficient **HEMIS credits**. This means you have to apply by the end of the year to another faculty and your application will be considered as per specific faculty admission policy. However, there are no guarantees that another faculty will accept you.

## PROGRAMME SPECIFIC INFORMATION

- **Engineering students** must achieve the following final marks to be allowed to proceed with engineering:
  - Pass all the modules (final mark  $\geq 50\%$ )
  - Minimum weighted average of 65%
  - No credits are transferred from 1<sup>st</sup> year (foundation) to 2<sup>nd</sup> year (1<sup>st</sup> year mainstream modules)
- **Science**
  - Mathematical Science and Physical Science programmes – a minimum of 60% weighted average required

- Pass all the modules (final mark  $\geq 50\%$ )
- Computer Skills 176 and Scientific Communication Skills 116 and 146 are mainstream modules; if you pass these modules you get exemption from Science in Context 178
- **AgriScience**
  - Pass all the modules (final mark  $\geq 50\%$ )
  - Computer Skills 176 is a mainstream module; if you pass this module you get exemption from Computer Skills 171

## SUPPORT AND GUIDANCE

### Centre for Student Counselling and Development

(<http://www.sun.ac.za/english/learning-teaching/student-affairs/cscd/overview>)

There is an Educational Psychologist specially assigned to support EDP students. She is:

- Me. Liezl Klopper

If you need any help, make an appointment at [studysuccess@sun.ac.za](mailto:studysuccess@sun.ac.za) and indicate that you are an EDP student to receive preference.

### Student Mentor Programme

The University would like to address the academic and non-academic needs of students who feel that they need extra support. Selected senior students are therefore trained to take on the role of mentors. Mentors have a dual function:

- They provide academic assistance to first-years.
- They provide non-academic assistance to first-years who feel that they need assistance with social, emotional, financial and socio-cultural matters.

It is very important that any problems you experience are resolved asap. Never think of a problem as too trivial or unimportant. Very often students ignore or postpone addressing a problem until the end of the year and most of the time it is just not possible to help them at that stage. If a situation has a serious effect on your studies, we urgently request you to discuss this with one of the staff members as in the list below.

## CONTACT US

- Contact your module's lecturer with any academic problems.
- The EDP coordinator - Dr. Mouton ([marnel@sun.ac.za](mailto:marnel@sun.ac.za)).
- Students may also contact the student support staff in their respective faculties with faculty-specific enquiries:
  - AgriSciences: Dr N Brown ([nbro@sun.ac.za](mailto:nbro@sun.ac.za))

- Engineering: Me. N White ([natalies@sun.ac.za](mailto:natalies@sun.ac.za))
- Science: Me. A Valentyn ([aatika@sun.ac.za](mailto:aatika@sun.ac.za))