**Department of Plant and Soil Sciences**

**Application for the BSc Honours Plant Sciences course**

*(Subject to approval by the Head of Department)*

|  |  |
| --- | --- |
| **Personal Particulars** | |
| Date of application: |  |
| Surname: |  |
| Full names: |  |
| First name: |  |
| University of Pretoria student number (if applicable): |  |
| ID / passport number: |  |
| Home language: |  |
| Address during study: |  |
|  |
| Telephone and/or cell phone nr: |  |
| Fax nr: |  |
| E-mail address: |  |
| Tel. and/or cell phone nr of relative: |  |
| Relation (parents or husband/wife): |  |
| **Employer Details (If Applicable)** | |
| Name of employer: |  |
| Telephone and/or cell phone nr: |  |
| E-mail: |  |
| **Qualifications** | |
| Under- / post graduate qualification(s): |  |
| Main subjects for undergraduate study: |  |
| University where degree was obtained: |  |

|  |  |
| --- | --- |
| **Intended study details** | |
| Full time or part time honours study? | Full time ❑Part time❑ |
| Preliminary choice for **main discipline**: | ❑Plant Diversity |
| ❑Plant Ecology |
| ❑Plant Physiology / Biotechnology \* |
| ❑(Option): Medicinal Plant Science\*\* |
| Preliminary choice for **elective discipline**: | ❑Plant Diversity |
| ❑Plant Ecology |
| ❑Plant Physiology / Biotechnology |
| Lecturer approached for research project during Honours study:  **IMPORTANT** |  |
| Your research interest? (optional): |  |

\* also send application for to Prof Dave Berger ([dave.berger@up.ac.za](mailto:dave.berger@up.ac.za))

\*\* A minimum of 60% in Phytomedicine (BOT 365), which is offered at third-year level in the Department of Plant and Soil Sciences.

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**Signature**

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Date**

**E-mail the completed form, including your full academic record to:**

**Dr Gary Stafford (**[**gary.stafford@up.ac.za**](mailto:gary.stafford@up.ac.za)**)**

**\* If you are planning on doing the Plant Science Biotechnology option also send a copy to Prof Dave Berger (**[**dave.berger@up.ac.za**](mailto:dave.berger@up.ac.za)**)**

**PRELIMINARY COURSE SELECTIONS**

Please indicate which courses **you are** **interested in registering** for.

Remember that certain courses are compulsory for all students whilst other courses are compulsory, according to the specific discipline.

***BSc (Hons): Plant Science***

**D** = Plant Diversity as main discipline **E** = Plant Ecology as main discipline

**PB** = Plant Physiology/Biotechnology/Plant Pathology as main discipline

It is compulsory that each student must have completed a total of **135** credits at the end of the programme. Additional modules to those indicated as compulsory must be selected in consultation with the supervisor. 115 credits must be selected from the list below while additional 20 credits may be obtained from modules presented by another department.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Code** | **Module** | **Sem.** | **Credits** | **D** | **E** | **PB** | **Your selection** |
| BOT 700 | Natural woodland and Forests: ecology and management 700 | 2 | 15 |  |  |  |  |
| BOT 705 | Molecular techniques 705 | 1 | 15 |  |  | § |  |
| BOT 714 | Seed Ecology 714 | 2 | 10 |  |  |  |  |
| BOT 718 | Introduction to Plant Biotechnology 718# | 1 | 10 |  |  | \*\* |  |
| APS761 | Crop physiology 761 | 2 | 15 |  |  | \*\* |  |
| BOT 730 | Plant ecology and conservation 730 | year | 10 |  | \*\* |  |  |
| BOT 742 | Plant Classification 742<< | 2 | 20 | \*\* |  |  |  |
| BOT 746 | Applications in Plant Biotechnology 746# | 2 | 10 |  |  | \*\* |  |
| BOT 782 | Research report 782 | year | 60 | \* | \* | \* |  |
| BOT 783 | Seminar main 783 | 1 | 15 | \* | \* | \* |  |
| BOT 784 | Trends in plant science 784 | 2 | 10 |  |  |  |  |
| BOT 786 | Practical plant identification 786<<< | 1 | 10 | \*\* |  |  |  |
| BOT 788 | Spatial analysis in ecology 788 | 2 | 10 |  |  |  |  |
| BOT 791 | Land reclamation and restoration ecology 791 |  | 15 |  |  |  |  |
| BME 780 | Statistics for biological sciences 780 | 1 | 15 |  | \*\* |  |  |
| BTW 701 | Biotechnology in the workplace 701 | Year | 15 |  |  | § |  |

\* Compulsory modules for all students, \*\* Compulsory modules for the discipline of study

§ BOT 705 and BTW 701 are for BSc Hons Biotechnology students. PB students who wish to take it as an elective need to apply to the course leader.

<< BOT 742 is only for main discipline Plant Diversity students.

<<< BOT 786 is recommended for students whose main discipline is not Plant Diversity.

# BOT 718 and BOT 746 requires background in Molecular Biology. Students who have passed BTC 361 (Plant Genetics & Crop Biotechnology) are accepted into BOT 718/746. Students who have not completed BTC 361 must attend an interview with BOT 718/BOT 746 study leaders before admission

***BScHons Medicinal Plant Science***

A total of **135** credits are required for BScHons Medicinal Plant Science. A summary of compulsory and elective modules and the respective credits are as follows:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Code** | **Module** | **Sem.** | **Credits** | **Your selection** |
|  | **Compulsory modules** |  |  |  |
| BOT 748 | Phytopharmacology 748 | 1 | 10 |  |
| BOT 749 | Pharmacognosy / Phytotherapy 749 | 1 | 10 |  |
| BOT 761 | Advanced Phytomedicine 761 | 2 | 10 |  |
| BOT 782 | Mini-dissertation 782 | year | 60 |  |
| BOT 783 | Seminar main 783 | 1 | 15 |  |
|  | **Elective modules** |  |  |  |
| BOT 714 | Seed ecology 714 | 1 | 10 |  |
| BOT 718 | Introduction to Plant Biotechnology 718 | 1 | 10 |  |
| APS761 | Crop physiology 761 | 2 | 15 |  |
| BOT 746 | Applications in Plant Biotechnology 746# | 2 | 10 |  |
| BOT 784 | Trends in plant science 784 | 2 | 10 |  |
| BOT 786 | Practical plant identification 786 | 1 | 10 |  |
| BOT 788 | Spatial analysis in ecology 788 | 2 | 10 |  |
| BOT 700 | Natural woodland and Forests: ecology and management 700 | 2 | 15 |  |

# BOT 718 and BOT 746 requires background in Molecular Biology.

Students who have passed BTC 361 (Plant Genetics & Crop Biotechnology) are accepted into BOT 718/746.

Students who have not completed BTC 361 must attend an interview with BOT 718/BOT 746 study leaders before admission.