

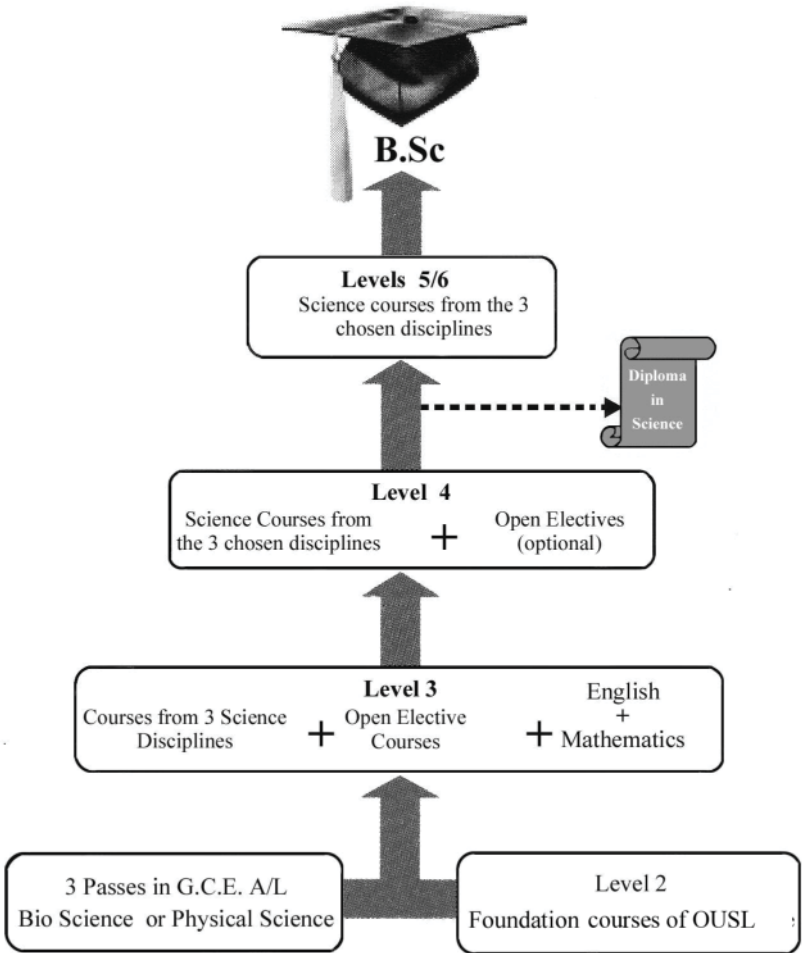


The Open University of Sri Lanka

Faculty of Natural Sciences



# Programme Guide 2016 - 2017



# Contents

Message from the Dean of the Faculty	01
<b>GENERAL INFORMATION .</b>	02
The University	02
The Faculty of Natural Sciences	02
The Study System	02
Courses, academic value and time to study	03
<b>SUPPORT FOR LEARNING</b>	03
Counselling	03
Day schools	04
Supplementary online support for courses	04
Laboratory facilities	04
Library	04
Duty leave for Government teachers	04
<b>BACHELOR OF SCIENCE DEGREE PROGRAMME</b>	06
<b>BEFORE REGISTRATION</b>	12
Open days	12
Pre-registration Orientation Sessions	12
<b>REGISTRATION</b>	13
StART@OUSL[Students Academic Readiness Training at OUSL]	13
<b>FEES</b>	15
<b>TEACHING STAFF</b>	16
<b>CONTACT TELEPHONE NUMBERS</b>	18
<b>LOCATIONS OF REGIONAL AND STUDY CENTRES</b>	19
<b>INSTRUCTIONS FOR ONLINE APPLICATION</b>	20
<b>TENTATIVE PROGRAMME CALENDAR</b>	21

# **Programmes / Courses of Study Offered By The Faculty of Natural Sciences, OUSL**

## **Programmes/Courses described in this Guide**

- Bachelor of Science Degree

## **Other Programmes/Courses**

- Masters in Medical Entomology and Applied parasitology
- Masters/PG Diploma in Environmental Sciences-Inter-faculty
- Bachelor of Education - Faculty of Education
- Diploma in Science
- Diploma in Microbiology - blended online
- Advanced Certificate in Laboratory Technology
- Certificate in Wildlife Conservation & Management
- Certificate in Laboratory Technology
- Certificate in Environmental Sciences
- Certificate in Computer Networks and Security
- Certificate in Professional Computer Applications
- Certificate in Applied Electronics
- Stand Alone Courses in Science

For more information: [www.ou.ac.lk/science/](http://www.ou.ac.lk/science/)

# Message from the Dean

## **Welcome to the Faculty of Natural Sciences.**

Selecting a university and programme of study to suit your requirements is an important decision you make in life. This message intends to help you take the right decision for a bright future in the field of science.

The Faculty of Natural Science has over 30 years of experience delivering a wide range of quality distance learning programmes in a variety of disciplines in the sciences, as part of a qualification or on a stand-alone basis. Whether you want to develop your career path or study for your own personal fulfillment, you can choose from an assortment of programmes at both undergraduate and postgraduate levels, ranging from certificates to diplomas to degrees.

The degrees awarded by the OUSL are given the same recognition as those awarded to students studying face-to-face at other Sri Lankan national universities. The courses on offer are suited to all those who wish to obtain up-to-date knowledge, skills and insight into the various disciplines of science to meet the challenges of today's dynamic, complex and competitive environment.

Our programmes are specially designed to suit those with other commitments such as full-time employment, financial obligations and family commitments. Our unique system of open distance learning, developed over the years, gives you the flexibility to engage in your studies at your own place and at your own pace, at an affordable price.

To date, our Faculty has very successfully educated thousands of individuals throughout the country, using multimedia study material packages of print, audio and visual aids, CD ROMs and online material. Our learner support system will guide you and assist you at every stage of your academic career from your very first day of registration up to completion of the programme.

Going to university is a challenge. Being a distance learner can be even more challenging. Do take note that you will need to be self-motivated and learn to work independently to successfully meet the challenges of studying in the distance mode.

Thank you for your interest in our Faculty. Please go through the information to find out more about us.

We are proud to say that many of our past students hold responsible positions today and are making a valuable contribution to the nation through their work in different fields such as research, teaching and administration both in the state and private sector.

Hope you too will find our courses interesting, motivating and useful, and your learning experience rewarding and enjoyable.

On behalf of our Faculty I wish you good luck in all your future endeavors.

Prof. Lilani K.Senaratna

Dean/Faculty of Natural Sciences

# **GENERAL INFORMATION**

## **The University**

The Open University of Sri Lanka (OUSL) is the premier national University in the country which offers Degree, Diploma, Certificate Programmes and other courses through OPEN & DISTANCE LEARNING methodology. Established in 1980, under the Universities Act No. 16 of 1978 and OUSL Ordinance No. 1 of 1990, it has the same legal and academic status as any other national university in Sri Lanka.

The OUSL provides opportunities for any person over 18 years of age to register as a student for a Programme/Course of their choice.

Due to the nature of its teaching methodology and infrastructure, The OUSL is able to serve a large student population scattered throughout the island. Currently, over 30,000 are registered in its five Faculties: Natural Sciences, Engineering Technology, Humanities & Social Sciences, Education, and Health Sciences. The University serves its student population via a network of 8 regional centres and 18 study centres (Table 6). The Central campus and the Colombo Regional Centre (CRC) are situated in Nawala. The other seven regional centres are situated at Kandy(KRC), Matara(MRC), Jaffna(JRC), Anuradhapura (ARC) and Batticaloa (BRC), Badulla and Kurunegala.

## **Faculty of Natural Sciences**

The Faculty of Natural Sciences conducts a variety of study programmes including the Degree Programmes leading to B.Sc General/Special Degree and several Diploma/Certificate programmes.

The Faculty functions under the leadership of the Dean who is the administrative and the academic Head. It also has a large number of experienced and qualified teaching staff to help the students in their studies. The five academic departments of the Faculty are: Botany, Chemistry, Mathematics & Computer Science, Physics and Zoology.

## **The Study System**

The study system of the OUSL is based on distance learning methods. It is different to the conventional study system most of you are familiar with. Regular attendance at the University is not required and is therefore well suited for those of you who are employed or engaged with other commitments.

Student learning is facilitated through carefully prepared printed course material suitable for self learning. Printed course material is supplemented with audio visual and online learning material. Your progress in courses is evaluated at different time intervals using a variety of assessment methods such as assignment tests and final examinations.

## **Courses, academic value and time to study**

Faculty of Natural Sciences offers courses at different Levels. Degree level courses are at Level 3, 4, 5 & 6.

Level 3 courses are offered in Sinhala, English & Tamil and higher level courses are offered only in the English Medium.

Each course is identified by a course code. A course code will reflect the level of study and the academic value of the course referred to as the credit rating. The time you will have to allocate for studying a course depends on its credit rating. The minimum credit rating for courses offered by the Science Faculty is 3 credits; such a course will require a minimum allocation of around 75 hours of study time.

## **Support for Learning**

At the OUSL, students are supported in many ways as described below.

### **Counselling**

At the time of registration, you will be assigned an academic staff member as a personal counsellor from whom you may get advice and guidance on selecting courses and other academic matters. The Faculty has several other student counsellors to help you overcome any general problems.

## **Day Schools**

Day schools are interactive sessions where you are given an opportunity to meet the academic staff coordinating the course (your course teachers) and discuss problems you may come across in studying your course material. In addition to day schools, we provide face-to-face support through workshops, tutorial sessions and practical classes.

## **Supplementary Online Support for Courses**

In order to give you additional help and also to get you familiarized with modern learning trends and tools, certain courses in the degree programme are supplemented with an online component. Once you register for a course with an online component, you will be informed and advised on how to access and use it.

## **Laboratory Facilities**

Laboratory facilities are available at the Colombo, Kandy and Matara Regional Centres, where you have the opportunity to engage in practical work. Depending on the resources available some departments may conduct a few practical sessions at Jaffna Regional Centre and Anuradhapura Regional Centre (ARC) Computer Laboratory facilities with internet access, are available at all Regional Centres and at many study centres.

## **Library Facilities**

OUSL library network consists of the main library located at the central campus and regional libraries at other regional centres. Libraries have a latest collection of books for reference & lending purposes as well as access to past examination papers. Libraries also provide facilities to view CDs/DVDs and videos relevant to your study programme. You have free internet access including access to valuable e-learning resources.

## **Duty leave for Government teachers**

If you are a Government teacher following the B.Sc. Degree at OUSL, you are entitled to study leave to participate in academic activities (Ref. Circular No. 26/2013 issued by the Ministry of Education - [www.moe.gov.lk](http://www.moe.gov.lk)).



**Table 1: Specific Exemptions for GCE A/Level Passes**

This table provides information on qualifications accepted for exemptions in lieu of GCE A/Level passes.

GCE A/L Sri Lanka		Qualifications Accepted for Exemptions									
		OUSL Foundation/ Foundation Certificate in Science / London A/Levels					Institute of Chemistry Lab Technicians Certificate (LTCC)/ (DLTC)		Diploma in Sci./ Maths (AUC); Diploma in Teaching Sci./ Maths (NIE); Trained Teachers Certificate		
New Scheme	Old Scheme	Pure Maths	App. Maths	Physics	Chemistry	Botany	Zoology	Maths	Sci.	Phy. Sci.	
		Com. Maths/ Higher Maths/ Maths									
Combined Maths / Higher Maths	Pure Maths	X							X		
	App. Maths		X						X		
Physics	Physics			X						X	
	Chemistry				X						
Biology	Botany					X				X	
	Zoology						X			X	

# **BACHELOR OF SCIENCE DEGREE PROGRAMME**

**Designed for those who wish to obtain a  
B.Sc. General/Special Degree**

**Programme Code: NS 00**

## **Aims and Outcomes**

The BSc Degree programme is designed to provide opportunities for higher education in Science, particularly to those who are already in employment.

A B.Sc. graduate of the OUSL is expected to have:

- acquired an understanding of the basic and applied knowledge of the respective disciplines in Science
- acquired relevant practical skills to complement and support subject-based theoretical knowledge
- developed the ability to conduct scientific investigations and proceed to undertake research studies at higher levels
- gained a range of critical, analytical, transferable and personal skills
- obtained a broad knowledge on areas outside the subject combinations in Science through open elective courses
- changed from a dependent to an independent learner with the flexibility to move into new and multidisciplinary areas of study, research or employment
- developed an interest in life-long learning

## **Target Group**

- Those in middle level employment in scientific fields who wish to obtain an academic degree and thereby improve their promotional and/or career prospects
- Late developers wanting to come back into the mainstream of formal education with a view to obtaining an academic degree
- Any person wanting to pursue a Degree Programme in Science in their own time and at an affordable cost

## Admission Requirements

- Minimum of 03 passes in any number of sittings at the G.C.E. (A/L) examination in approved science subjects (Applied Mathematics, Biology, Botany, Chemistry, Combined Maths, Higher Mathematics, Physics, Pure Mathematics, Information Technology, Zoology (Agriculture is not considered) OR
- Minimum of 36 credits from among the approved subjects in Foundation courses in Science (see Table 1) OR
- Any other equivalent qualifications (see Table 1)

## Pre-requisites to register for Level 3 courses

Pre-requisites required to register for any course in a particular discipline at Level 3 (Table 2) are:

**Table 2**

<b>Discipline</b>	<b>Pre-requisites</b>
Botany	Pass in Botany/Biology in A/L or Foundation
Chemistry	Pass in Chemistry in A/L or Foundation
Physics	Pass in Physics in A/L or Foundation
Zoology	Pass in Zoology/Biology in A/L or Foundation
Computer Science	3 passes in A/L or Foundation in approved Science subjects
Applied Maths	Pass in Applied Maths/ Combined Maths/Higher Maths in A/L or Foundation
Pure Maths	Pass in Pure Maths/ Combined Maths/ Higher Maths in A/L or OUSL Foundation

## Duration of the Degree

The minimum period required to complete the BSc Degree is 03 academic years. However, the programme provides flexibility to those who wish to take longer (up to a maximum of 10 years), depending on other commitments. Most students, including those employed, generally complete the degree in 4-5 years. In the academic year 2014/2015, we commenced offering the B.Sc. Special Degree in major Science disciplines to a limited extent. If you are interested, you can find out about the selection criteria from the Faculty Office. The minimum duration for completion will be 5 years.

## Exemptions

You may request for exemptions for certain courses based on your previous qualifications at the tertiary level (e.g. Diploma, 1st or 2nd year from a recognised university).

Applications for claiming exemptions can be collected from the Assistant Registrar of the Faculty. Duly completed application forms together with proofs for such qualifications and relevant course descriptions/syllabi should be forwarded to reach the AR/Natural Sciences on or before **28<sup>th</sup> November 2016**. The Faculty Exemption Committee will assess your qualifications and inform you if exemptions can be granted. It is your responsibility to claim such exemptions at the registration.

**Table 3 - Level 3 Courses**

<b>Course Code</b>	<b>Credit Rating</b>	<b>Course Title</b>
<b>Discipline based Courses</b>		
<b>Botany</b>		
BOU1200	6	Diversity of Plants *
BOU1101	3	Organization of Cells & Plant * Biochemistry
<b>Chemistry</b>		
CMU1220	6	Basic Principles of Chemistry
CMU1121	3	Practical Chemistry*
<b>Physics</b>		
PYU1160	3	General and Thermal Physics *
PYU1161	3	Basic Electromagnetism *
PYU1162	3	Waves in Physics
<b>Zoology</b>		
ZLU1280	6	Animal Life & Diversity *
ZLU1181	3	Biogeography
<b>Computer Science</b>		
CPU1140	3	Fundamentals of Computers**
CPU1141	3	Introduction to Computer Programming** *
CPU1142	3	Data Structures and Algorithms** *
<b>Applied Mathematics</b>		
APU1140	3	Vector Algebra
APU1141	3	Basic Statistics**
APU1142	3	Differential Equations
<b>Pure Mathematics</b>		
PUU1140	3	Logic and Mathematical Proofs
PUU1141	3	Foundation of Mathematics
PUU1142	3	Vector Spaces
<b>Open Electives - Compulsory Selection</b>		
LWU1161	3	Understanding Law
MCU1108	3	Managing Your Work and People
PCU1102	3	Ethics in Science and Technology
SSU1198	3	Introduction to Sri Lankan Society
<b>Open Electives - Optional Selection</b>		
PCU1170	3	Electronics for Biology Students (for non physics students) *
PCU1141	3	Basic Statistics (for mathematics students not offering App. Maths)
PCU1271	6	Physics for Biology Students *
<b>Continuing Education Courses</b>		
PSE3117	3	Mathematics for Chemistry and Biology
LSE3201	6	English for General Academic Purposes
* Courses with practicals      ** In English medium only		

**Table 4 - Level 4 Courses**

<b>Discipline based Courses</b>		
<b>Course Code</b>	<b>Credit Rating</b>	<b>Course Title</b>
<b>Botany</b>		
BOU2200	6	Plant Physiology*
BOU2101	3	Genetics and Evolution*
BOU2102	3	Systematics of Higher Plants and Animals*
BOU2103	3	Principles of Microbiology*
<b>Chemistry</b>		
CMU2220	6	Concepts in Chemistry*
CMU2221	6	Organic Chemistry I*
CMU2122	3	Inorganic Chemistry
<b>Physics</b>		
PYU2160	3	Modern Physics
PYU2262	6	Electronics *
PYU2164	3	Optics*
PYU2165	3	Mathematical Methods for Physics
<b>Zoology</b>		
ZLU2280	6	Animal Form & Function*
ZLU2281	6	Fundamentals of Ecology*
ZLU2182	3	Animal Development*
<b>Computer Science</b>		
CPU2140	3	Systems Analysis & Software Engineering
CPU2241	6	Database Management Systems *
CPU2242	6	Object Oriented Programming using C++ and Java*
<b>Applied Mathematics</b>		
APU2140	3	Statistical Distribution Theory
APU2141	3	Regression Analysis I
APU2142	3	Newtonian Mechanics I
APU2143	3	Vector Calculus
APU2144	3	Applied Linear Algebra and Differential Equations
<b>Pure Mathematics</b>		
PUU2140	3	Sequences and Series
PUU2141	3	Continuous Functions
PUU2142	3	Linear Algebra
PUU2143	3	Differentiable Functions
PUU2144	3	Group Theory I
<b>Open Electives - Optional Selection</b>		
PCU2104	3	Environmental Studies
PCU2163	3	Communication Skills

\* courses with practical

**Table 5 - Level 5 Courses**

<b>Discipline based Courses</b>		
<b>Course Code</b>	<b>Credit Rating</b>	<b>Course Title</b>
<b>Botany</b>		
BOU3100	3	Environmental and Applied Microbiology*
BOU3101	3	Plant Pathology *
BOU3102	3	Plant Growth & Development *
BOU3103	3	Plants and Man*
BOU3104	3	Soils and Plant Growth*
BOU3105	3	Literature Review in Botany
BOU3106	3	Plant Breeding *
BOU3108	3	Postharvest Technology*
BOU3209	6	Horticulture*
<b>Chemistry</b>		
CMU3120	3	Organic Chemistry II *
CMU3122	3	Organometallic Chemistry
CMU3123	3	Analytical Chemistry *
CMU3124	3	Chemistry of Biomolecules
CMU3125	3	Natural Products Chemistry
CMU3126	3	Biochemistry
CMU3128	3	Instrumental Methods of Chemical Analysis *
CMU3129	3	Environmental Chemistry
CMU3131	3	Concepts in Spectroscopy
CMU3232	6	Industrial Chemistry
CMU3233	6	Polymer Chemistry
CMU3134	3	Literature Project in Chemistry
CMU3235	6	Research Project in Chemistry
<b>Physics</b>		
PYU3160	6	Nuclear and Particle Physics
PYU3161	3	Practical Physics *
PYU3162	3	Atmospheric Physics
PYU3164	3	Data Acquisition and Signal Processing
PYU3165	3	Biophysics
PYU3266	6	Essentials of Geology
PYU3167	3	Medical Physics
PYU3168	3	Fundamentals of Geophysics
PYU3169	3	Literature Project in Physics

\* courses with practicals

**Table 5 - Level 5 Courses (continued)**

<b>Course Code</b>	<b>Credit Rating</b>	<b>Course Title</b>
PYU3270	6	Research Project in Physics
PYU3171	3	Environmental Geology
PYU3172	3	Astronomy
PYU3173	3	Solid State Physics
<b>Zoology</b>		
ZLU3180	3	Aquatic Biology
ZLU3181	3	Fish Biology and Fishery Management
ZLU3182	3	Conservation and Management of Biodiversity
ZLU3183	3	Animal Behaviour
ZLU3184	3	Parasitology
ZLU3185	3	Human Biology
ZLU3186	3	Insect Biology
ZLU3189	3	Paleobiology
<b>Computer Science</b>		
CPU3140	3	Mathematics for Computing
CPU3141	3	Digital Computer Fundamentals
CPU3242	6	Operating Systems
CPU3243	6	Principles and Techniques of Artificial Intelligence
CPU3144	3	Theory of Computing
CPU3245	6	Computer Networks and Security
CPU3146	3	IT Project Management
CPU3147	3	Software Quality Assurance
CPU3148	3	Management Information System
CPU3149	3	Web Technologies
CPU3152	3	Data Communication
CPU3250	6	Project in Computer Science
<b>Applied Mathematics</b>		
APU3240	6	Numerical Methods
APU3141	3	Linear Programming
APU3143	3	Mathematical Methods
APU3244	3	Graph Theory
APU3147	3	Statistical Inference
APU3251	6	Project in Pure/Applied Mathematics
<b>Pure Mathematics</b>		
PUU3240	6	Ring Theory & Field Theory
PUU3141	3	Algebra of Complex Numbers
PUU3242	6	Combinatorics
PUU3143	3	Riemann Integration
PUU3244	6	Number Theory & Polynomials
PUU3245	6	Complex Analysis I
<b>Open elective</b>		
PCU3141	5	Bio Statistics (for Non-Mathematics Students)
PCU3142	5	Design and Analysis of Experiments
<b>Special Degree Programme in Science Disciplines - inquire from relevant Departments</b>		

## Before Registration

### Open Days

Open days provide an opportunity for those interested to visit the University to get first hand information regarding the OUSL and Faculty Programmes and to see facilities available for students.

**Schedule of Open Days** - from 9.30 a.m. - 12.30 p.m.

Venue		B.Sc. Degree programme
Colombo Regional Centre	-	16 & 26 November 2016
Kandy Regional Centre	-	26 November 2016
Matara Regional Centre	-	26 November 2016
Batticaloa Regional Centre	-	26 November 2016
Jaffna Regional Centre	-	26 November 2016
Anuradhapura Regional Centre	-	26 November 2016

### Pre - Registration Orientation Sessions

You can obtain more details about the OUSL and its science programme by attending pre-registration orientation sessions conducted ahead of the dates for Registration.

**It is compulsory to attend one of these sessions** and bring the original A/L, O/L or equivalent certificates with photocopies. At orientation, you are assigned an academic staff member who will act as your personal counsellor. He/she will assist you in clarifying any doubts related to the Programme, guide you in selecting courses and in filling the registration form correctly.

**Schedule of orientation sessions** - 9.00 a.m. - 1.00 p.m.

Venue	Date	Medium
	B.Sc. degree	
Colombo Regional Centre	28 and 30 December 2016	E, S, T
Kandy Regional Centre	28 and 30 December 2016	E, S
Matara Regional Centre	28 and 30 December 2016	E, S
Batticaloa Regional Centre	30 December 2016	E, T
Anuradhapura Regional Centre	30 December 2016	E, S
Jaffna Regional Centre	30 December 2016	E, T
E- English	S- Sinhala	T- Tamil



# Registration

## Special note to all New Students -

1. Change in Programme Structure, NS (2016/2017) to NS 1 (2017/2018)
2. Importance of Counseling.

All the new registrants / students entering into the BSc degree programme this academic year (2016/2017) will register for the NS programme but would have to transfer to the New Structure (NS1) in 2017/2018. In this regard, please be aware of the change and obtain further advice from your counselor before registration in order to ensure a smooth transition next year at the time of re-registration

Registration sessions are held at six Regional Centres. Once you apply for the programme, the university will inform the date and centre you will be required to attend to register for the programme.

When you come for Registration you need to bring:

1. National identity card and a photocopy
2. Original Birth Certificate and a photocopy
3. Two passport size photographs (35mm x 45mm)
4. G.C.E. A/L (for BSc) or equivalent certificates and photocopies certified by your Counsellor
5. Registration Form ( R3) countersigned by Personal counsellor (Forms will be given at orientation sessions)
6. University copy of the paid voucher
7. Declaration form

## **StART@OUSL**[Students Academic Readiness Training at OUSL]

It is a three month training programme to facilitate students to develop their study skills in order to become independent learners in the Open and Distance Learning (ODL) system of the Open University. It comprises two Compulsory courses and four optional courses offered at **Level 3**, the first year of the degree programme

### **Compulsory courses:**

- EDE3001 Empowering for Independent Learning ( EfIL) - (Free)
- LSE3202 English General Academic Purposes (EGAP) - Rs. 4800/=

### **Optional Courses :** (1500/= each)

- Second National Language – SNL (Sinhala or Tamil)
- Social Harmony
- Soft Skills for Personality Development
- ICT Skills

A Student should offer both compulsory courses to complete the StART@OUSL programme.

However, in order to carry out your academic activities successfully, we recommend you to offer some of the optional courses considering the following information.

**Social Harmony** - 3 Compulsory Day Schools plus Multicultural Interactive Session

**Soft Skills for Personality Development** – 8 Activity based practical oriented workshops. Attendance compulsory for all workshops

**ICT Skills** - 6 Day Schools, 2 CAT Examinations plus Final Examination

**PLEASE NOTE**

1. THAT IT IS ESSENTIAL THAT YOU SHOULD COMPLETE THE EfIL COURSE (EDE3001) FOR YOU TO REGISTER AT **LEVEL 4.**
2. THAT IT IS ESSENTIAL THAT YOU SHOULD COMPLETE THE EGAP COURSE (LSE3202) FOR YOU TO REGISTER AT **LEVEL 5.**

## Fee

Fees for students registering for the BSc Degree Programme or Foundation courses in the academic year 2016/17 are as follows.

Registration Fee	-	Rs. 400.00
Facilities Fee	-	Rs. 1500.00
Refundable Lab Deposit	-	Rs. 1100.00
Library Facilities	-	Rs. 100.00
StART@OUSL	-	Rs. 7500.00 (Full package) also refer page 13

### Tuition Fees (for local students)

Tuition fees for the academic year may differ depending on the number of credits that you register for.

#### Course Tuition fee

1. 1430/ per credit
2. Number of Credits to be offered/registered per year – between 9-36
3. First instalment B.Sc. students will initially receive a voucher corresponding to **27 credits**. For this first installment you will have to pay 60% of Tuition. the **payment may be reduced at the time of registration if you wish to register for lesser number of credits**

#### First Installment

First installment has to be paid at the time of registration for B.Sc. Degree Programme.

Second installment which is 40% of Tuition fees, is due in approximately 5 months after the registration

## TEACHING STAFF - Department of Botany

Prof (Ms) Lilani K. Senaratna  
B.Sc. (Colombo); M.Phil. (OUSL); C.I. Biol. (SL)

Dr. L.K.R. Ramani Jayakody  
B.Sc. (Colombo);  
Ph.D. (Lancaster); M.I. Biol. (SL)

Dr. Thamara K. Weerasinghe  
B.Sc. (Kelaniya); Ph.D. (Kelaniya); M.I. Biol. (SL)

Mr. B.K. Lal Wickramasinghe (**Head**)  
B. Sc. (Kelaniya); P. G. Dip.Ed. (OUSL); M.Phil. (OUSL);  
M.I. Biol. (SL)

Prof. Shyama R. Weerakoon  
B. Sc. (Colombo); Ph.D. (Western Australia C.I. Biol. (SL); F.I. Biol. (SL)

Dr. H.L. Darshini Weerahewa  
B.Sc. (Peradeniya); Ph.D. (Peradeniya)

Dr. P. W.H.K. Priyadarshani Daulagala  
B.Sc. (Peradeniya); Ph.D. (Aberdeen) M.I. Biol. (SL)

Dr. S. Somaratne  
B.Sc. (Kelaniya); MPhil. (OUSL); Ph.D. (OUSL); F.I. Biol. (SL)  
M.I. Biol. (SL); C.I. Biol. (SL)

Dr. K.O.I.C. Karunanayake  
B.Sc. (Peradeniya)  
Ph.D. (Peradeniya)

Dr. K.A. Janaka Kuruppuarachchi  
B. Sc. (Sri Jayawardenepura); PG.Dip. Ed; MEd. (OUSL);  
PhD. (OUSL); M.I. Biol. (SL); C.I. Biol. (SL)

Dr. S.A.D. Prasad Senadheera  
B.Sc. (Colombo);  
PG. Dip. IT (Kelaniya)  
Ph.D. (Colombo)

Dr. K.A.R.S. Perera  
BSc (OUSL), M.Sc. (Sri Jayawardenepura)  
Ph.D. (Kelaniya); PG Dip. Distance Education (IGNOU)  
M.I. Biol. (SL); C.I. Biol. (SL)

Ms. P. Pradeepa D.C. Perera  
B. Sc. (Colombo); M.Sc. (Colombo); M.I. Biol. (SL)

Mr. B.C. Gunaratne  
B.Sc. (Sri Jayawardenepura); MSc (Sri Jayawardenepura)  
M.I. Biol (SL)

Ms. S. Samithri  
B.Sc. (Peradeniya)

Ms. K.I.C. Amarasinghe  
B.Sc. (Colombo); PG. Dip (Colombo) PG.Dip.Edu.  
(OUSL); M.Sc. (Colombo); M.I. Biol. (SL)

Ms. L.D. Kumarage  
B.Sc. (Peradeniya)

Ms. S.M.M.P.K. Seneviratne  
BSc special (Peradeniya), M.Sc. (Peradeniya)

## TEACHING STAFF - Department of Chemistry

Prof. G.M. Kamal. B. Gunaherath  
B. Sc. ; Ph. D. (Peradeniya);  
F.I. Chem. C.; Chartered Chemist

Prof. K. Sarath D. Perera  
B. Sc. (Sri Jayawardenepura);  
Ph.D. (Belfast); F.I. Chem. C.

Prof. (Ms) Sithy S. Iqbal  
B. Sc. (Colombo); Ph. D. (Birmingham);  
F.I. Chem. C.; Chartered Chemist

Dr. Gunadya Bandarage  
B.Sc. (Colombo); Ph.D. (Alberta);  
F.I. Chem. C.; Chartered Chemist;  
MIP (SL); Chartered Physicist

Prof. (Ms) Ramani U. Tantrigoda  
B.Sc. (Sri Jayawardenepura);  
M. Phil. (Ruhuna);  
M.I. Chem. C.; Chartered Chemist

Mr. M.R.M. Haniffa B.Sc. (Colombo); M.Sc. (Hawaii);  
F. I. Chem. C.; Chartered Chemist

Dr. (Ms) S. Ruvini Hettiarachchi  
B.Sc. (Ruhuna); Ph.D. (Maine)  
M.I. Chem. C.; Chartered Chemist

Dr. Rukmal Ratnayake  
B. Sc.; Ph. D. (Peradeniya)

Ms. M.N. Kumudini de Zoysa (**Head**)  
Graduate Chemist (Institute of Chemis-  
try, Ceylon); M.A. (IGNOU); M Phil.  
(OUSL); M.I. Chem. C.; Chartered Chemist

Dr. D. T. Abeysinghe  
B. Sc. (Kelaniya); M.Sc. (Colombo)  
Ph.D. (Iowa)

Ms. M. Thayaparan  
B.Sc. (Hons) (Jaffna); M.Phil. (OUSL);  
M.I. Chem. C.

Ms. M.D. Janakie S. Saparamadu  
B.Sc.; M.Sc. M.Phil. (Colombo);  
M.I. Chem. C.

Dr. (Ms) Chandani Ranasinghe  
B.Sc.; M.Phil. (Peradeniya);  
Ph.D. (Sri Jayawardenepura)  
M.I. Chem. C.; Chartered Chemist

Mr. D.R. Kulatunge  
B.Sc. (Peradeniya); M.Sc. (Colombo)

Ms. D.D.D.H. Alwis  
B.Sc. (Sri Jayawardenepura);  
Graduate Chemist (I. Chem., Ceylon); M.I. Chem. C.

Mr. A.S. Dikkumbura  
B.Sc. (Sri Jayawardenepura); M.Sc. (USA)

Ms. D.V.D. Hemalika  
B.Sc. (Ruhuna)

Ms. S. Thulasi  
B.Sc (Jaffna)

## TEACHING STAFF - Department of Physics

Prof. J.C.N. Rajendra  
*B.Sc. (Jaffna), D.Phil. (Sussex,UK);  
C. Physicist, MInst (UK), MIPS L*

Prof. G.W.A. Rohan Fernando  
*B. Sc.;MPhil.(Peradeniya);  
Ph. D. (Mainz, Germany)*

Dr. G.K.R. Senadheera  
*B.Sc., Ph.D. (Peradeniya);  
Chartered Physicist*

Prof. V. P. Susira Perera (**Head**)  
*B.Sc.; MPhil.; Ph.D. (Colombo);  
MIP. (SL); Chartered Physicist*

Dr. H.k. Wasana Isuri Jayawardana  
*B.Sc. , MPhil, Ph.D. (Colombo)*

Mr. N. Karthikeyan  
*B.Sc.;M.Sc.;M.Phil. (Madras);M.I.P(SL); Chartered  
Physicist*

Dr. J.V.P. Fernando  
*B.Sc; MPhil (Colombo)*

Ms. K. Rupika Dissanayake  
*B.Sc. (Colombo); PG Dip. Ed. (OUSL); M.Sc. (Colombo)*

Ms. Deepa R. Abeydeera  
*B.Sc. (Sri Jayawardenapura)  
P. G.Dip.Stat.;P.G. Dip.Ed.(OUSL);  
M.Sc.(Colombo)*

Ms. Renuka D. Hettiarachchi  
*B.Sc.(Colombo);P.G.Dip.Stat.; M.Sc. (Colombo)*

Ms. K.Nayana D. Bandara  
*B.Sc (Colombo); PG Dip. Ed. (OUSL);M.Sc (PGIA,  
Peradeniya)*

Dr. N.U.S. Yapa  
*B.Sc., M.Phil. (Ruhuna)*

Mr. D.L.N. Jayatillake  
*B.Sc.;M.Sc. (Colombo)*

Mr. G.D. Illeperuma  
*B.Sc. (Colombo), B.I.T.  
M.I.P (SL)*

## TEACHING STAFF - Department of Mathematics & Computer Science

Dr. W.C.W. Navaratna  
*B.Sc. (Colombo);PG Dip. in Appl. Stat.(Colombo);  
MSc.;Ph.D.(Simon Fraser, Canada)*

Mr. Duminda de Silva  
*B.Sc. (Colombo); M.Sc. (AIT)*

Mr. U. Angammana  
*B.Sc. (Peradeniya);  
M.Sc (Sri Jayawardenapura)*

Ms. S.N. Dissanayake  
*B.Sc. (OUSL); MPhil (OUSL)*

Mr. K.A.S.N. Fernando  
*B.Sc. (Kelaniya);PG Dip.in Appl. Stat. (Colombo);  
M.Sc. (Colombo)*

Ms. M.A.P. De Silva (**Head**)  
*B.Sc. (Kelaniya); MPhil (OUSL)*

Mr. M. Punchimudiyanse  
*B.Sc (Colombo); M.Sc. (Moratuwa);*

Ms. K.D.V.F. Siriwardena  
*B.Sc. (SJP); PG. Dip.Ed. (OUSL); M.Sc. (SJP)*

Ms. W.C Uduwela  
*B.Sc. (Kelaniya)*

Dr. J.N. Senadheera  
*B.Sc. (Colombo).  
Ph.D. (USA)*

Ms. N.A.M.R. Senavirathna  
*B.Sc. (Sri Jayawardenapura)*

Mr. S.R. Gnanapragasam  
*B.Sc. (Peradeniya); M.Sc. (Moratuwa)  
M.Sc. (Peradeniya)*

Ms. I.D.I.D Ariyasingha  
*B.Sc (Sri Jayawardenapura)*

Mr, C. Halwathura  
*B.Sc. (Colombo)*

Ms. C. S. Weliwita  
*B.Sc. (Hons) (Eng) (Peradeniya)*

Ms. H.M.L.N.K. Herath  
*B.Sc. (Peradeniya)*

Mr. B. P. K Senarath  
*B.Sc. (Ruhuna)*

Ms. H.O.W. Peiris  
*B.Sc. (Sri Jayawardenapura)*

Dr. W.P.T.M. Wickramaarachchi  
*B.Sc. (Colombo); Ph.D (Colombo)*

Mr. G.M.C.S. Megasooriya  
*B.Sc. (Peradeniya); PGD in IT (Colombo)  
Advance Dip. in English (Colombo)  
M.Sc. (Peradeniya)*

Mrs. N.H.E. Hasanthika  
*B.Sc. (Ruhuna)  
M.Phil. (Kelaniya)*

## TEACHING STAFF - Department of Zoology

Prof. H. Thusitha. R. Jayasooriya  
B.Sc. (Colombo); M.Sc. (Colombo);  
Ph.D. (London)

Prof. Gaya Ranawaka  
B.Sc. (Colombo); Ph.D. (London); DIC.

Dr. Nayana Nilakarawasam  
B.Sc. (Colombo); Ph.D. (Stirling);  
M.I. Biol (SL)

Dr. U.K.G.K. Padmalal  
B.Sc; M.Sc. (Colombo); Ph.D. (Tohoku, Japan); M.I. Biol.  
(SL); C. Biol. (SL)

Dr. Subadra K. Wijesekera  
B.Sc. (Peradeniya); Ph.D. (Colombo)

Ms. E.A.D Nalana D. Edirisinghe (**Head**)  
B.Sc. (Kelaniya), M.Phil. (OUSL); M.I. Biol. (SL)

Dr. W. V. Jayantha Wattawidana  
B.Sc. (Sri Jayewardenapura); M.Phil. (Sri Jayewardenapura)  
Ph.D. (Colombo); M.I. Biol. (SL); C. Biol. (SL)

Dr. K. Hector Jayawardena  
B.Sc. (Kelaniya); MPhil. (Colombo);  
Ph.D (Colombo); M.I. Biol. (SL)

Dr. I. Kumudu Rajapakse  
B.Sc. (Colombo); M.Sc. (Colombo);  
PhD. (OUSL); M.I. Biol. (SL); C. Biol. (SL)

Mrs. Krishni C. Weerakoon  
B.Sc. (Peradeniya ); MPhil. ( Peradeniya)

Mr. P.J. Jude  
BSc ( Jaffna); Mphil (Jaffna)

Ms. W.A.Y. Chandrani  
B.Sc. (Sri Jayewardenapura); M.Sc. (Colombo);  
M.Phil (OUSL); PG. Dip. Ed. (OUSL); M.I. Biol. (SL)

Ms. Neetha Punchihewa  
B.Sc. (Sri Jayewardenapura);  
M.Phil. (OUSL); M.I. Biol (SL)

Ms. Chanika D. Jayasinghe  
B.Sc. (Colombo)  
M.Sc. (Osaka)

Mr. T.S.P. Fernando  
B.Sc. (Colombo); M.Phil. (Colombo); M.I. Biol. (SL)

Mr. G. Ellepola  
B.Sc. (peradeniya)

## Contact Telephone Numbers and email addresses

Dean/Natural Sciences	0112881258	deannsc@ou.ac.lk
Head/Botany	0112881092	hdbot@ou.ac.lk
Head/Chemistry	0112881385	hdchem@ou.ac.lk
Head/Math. & Computer Science	0112881309	mades@ou.ac.lk
Head/Physics	0112881489	vpper@ou.ac.lk
Head/Zoology	0112881488	nedir@ou.ac.lk
Faculty Coordinator/Kandy	0812499371	gkrsena@yahoo.com
Faculty Coordinator/Matara	0412222943	srhet@ou.ac.lk
Faculty Coordinator/Anuradhapura	025 2222871	tishdtl.ousl@gmail.com
Faculty Coordinator /Batticaloa	0652222264	kaniska505@gmail.com
Faculty Coordinator/Jaffna	0212223374	
Asst. Registrar/Natural Sciences	0112881226	arnsc@ou.ac.lk

**Table 6: Locations of Regional and Study Centres**

Centre	Code	Address (Telephone)
<b>The Open University Regional Centres (OURC)</b>		
Colombo	WP10	OURC, Nawala, Nugegoda (011-2853930)
Jaffna	NP40	OURC, Browns Road, Kokuvil, Jaffna (021-2223374)
Kandy	CP20	OURC, Polgolla, Kandy (081-2494083 - 081-2494084)
Matara	SP30	OURC, Nupe, Matara (041-2222943)
Anuradhapura	NC50	OURC, Jayanthi Mawatha (Depot Area), Anuradhapura (025-2222871)
Batticaloa	EP60	OURC, 23, New Road, Batticaloa (065-2222264)
Badulla	UP80	OURC, NO. 08, Bandaranayaka Mw, Badulla, (055-2228842)
Kurunegala	NW70	OURC, Negombo Rd, (Nissanka Mw Junction), Malkaduwawa, Kurunegala (037-2223473)
<b>The Open University Study Centres (OUSC)</b>		
Ambalangoda	SP31	80/1, Polwatte Road, Halwatura Ambalangoda (091-2258585)
Ambalanthota	SP33	Rajasaranagama Road, Lunama South, Ambalanthota (047-2225533)
Ampara	EP61	Inginiyagala Road, Samapura, Ampara. (063-2222052)
Bandarawela	UP81	St. Thomas Road, Wewatenna, Bandarawela (057-2222820)
Galle	SP32	Labuduwa, Galle (091-2223784)
Gampaha	WP11	Gampaha road, Miriswatte, Mudungoda. (033-2234571/033-2234572)
Hatton	CP21	Thondaman Vocational Training Centre, Hatton (051-2225139)
Kalutara	WP12	66/2, Nagoda Road, Kaluthara (034-2223399)
Kegalle	SG91	Kumaratunge Munidasa Mawatha, Kegalle (035-2222501)
Moneragala	UP82	Technical college Junction, Sirigala, Potuvil Road, Moneragala (055-2277395)
Polonnaruwa	NC51	24 <sup>th</sup> mile post Bendiwewa Jayanthipura, Polonnaruwa (027-2225776)
Puttalam	NW71	1/137, Colombo Road, Puttalam (032-2266822)
Ratnapura	SG90	Hiddellana, Ratnapura (045-2228660)
Vavuniya	NP41	No. 366, Kandy Road, Thekkawaththai, Vavuniya (024-2222995)
Killinochchi	NP42	155 <sup>th</sup> Mile Post, Kandy Road, Killinochchi (021-2283970)
Trincomalee	EP62	No 26/A, Post Office Rd, Trincomalee (026-2222088)
Kuliyapitiya	NW72	Technical College, Kuliyapitiya, (037-2281181, 037-2281271)
Mullaitiv	NP43	Aathiparasakthy Ariviyal Collage, Ward No. 04, Irranaippalai Veethy, Puthukkudiyiruppu, Mullaithiv.

# Instructions for ONLINE Application

## APPLICATION for the BSc degree Programme online (via internet)

1. Click on the following locations and obtain a user name and password  
www.ou.ac.lk/ Online Application/create new account

### Note:

- You need to provide information considered as MANDATORY including an email address and a mobile number, both of which may be your own or could be that of one of your friends. The officials may use them to communicate with you, to acknowledge receipt of your applications and to provide you additional information as and when necessary.
  - All OU centers will provide internet facilities for those who do not have access; see list.
2. Go to "Online Application" and fill the form and submit
  3. Application fees : Rs. 350 by cash or credit/debit card

Sample Online Application form

### Online Application

**Please fill the Application**

**Personal Details**

Title  ▾

Initial

LastName

Name Denoted by Initials

Address line 1

Address line 2

Address line 3

NIC/Passport No

Date of Birth

E mail

Telephone -Mobile

Telephone -Fixed

Country  ▾

**Programme Details**

Programme  ▾

Prefferd Center  ▾

Programme Medium  ▾

Selection Test Medium  ▾



# PROGRAMME CALENDAR 2016/17

## B.Sc. Degree Programme

Activity and Venue	Date
<b>Open days</b>	
Colombo Regional Center (CRC)	see page 12
Regional Centers in Kandy (KRC), Matara (MRC), Jaffna (JRC), Batticaloa (BRC)	
Anuradhapura (ARC),	
<b>Orientation / Counseling</b>	
CRC	see page 12
BRC	
ARC	
JRC	
KRC and MRC	
<b>Registration</b>	
CRC	02, 03, 04, 05, 06, 07 January 2017
KRC and MRC	03, 05, 06, 07 January 2017
ARC/BRC/JRC	06, 07, January 2017
<b>Late Registration</b>	
CRC/BRC/JRC/MRC/KRC/ARC	14 January 2017
<b>Add / drop courses</b>	
CRC	25 and 26 January 2017
BRC/JRC/MRC/KRC/ARC	27 January 2017
<b>Drop courses</b>	
CRC only	2 March 2017
<b>Commencement of Semester 1</b>	01 March 2017 to 20 June 2017

### Important Notice

If you have not received the package calling you for Registration on or before **26<sup>th</sup> December 2016 for B.Sc. Degree Programme**, please contact Senior Assistant Registrar/Student Affairs on **011 2881205** or Assitant Registrar Faculty of Natural Science **011 2881226** at your earliest. You must attend the relevant registration session as mentioned



## WHY SELECT THE OUSL FOR A DEGREE IN SCIENCE?

- Degree equally recognized to those awarded by other national universities
- Flexibility to study whilst employed
- Another opportunity for those who have missed higher education
- Opportunity to study at own pace and own place
- No upper age limit
- Recognition for previously earned qualifications
- Affordable fees payable in installments
- Multimedia study package
- Range of discipline options, including non-science subjects
- Develops a unique blend of skills sought-after by employers
- Experienced and qualified staff
- Good student support system via a network of regional and study centres
- Opportunity to interact in a diverse student community
- Over 30 years experience delivering quality distance education programmes

Attend an Open Day / Orientation Session to FIND OUT MORE.....



Faculty of Natural Sciences  
PO Box 21, Nawala, Nugegoda  
Sri Lanka  
011 2822738/ 011 2881226  
[www.ou.ac.lk](http://www.ou.ac.lk)