FACULTY OF SCIENCE

UNIVERSITY OF JAFFNA, SRI LANKA

2012/2013

Undergraduate Student Handbook

April 2014

Vice-Chancellor's Message

Firstly, I wish to congratulate the 39th Batch of Students who are entering the Faculty of Science in April 2014 to commence their university education. The Faculty of Science is a well established faculty in the University of Jaffna, having competent and devoted staff with conducive environment for teaching and learning.

So, I consider that the new entrants of the Faculty of Science are very fortunate to pursue their undergraduate programme in such a well reputed faculty. The University of Jaffna has been committed and continuously developing sports and leisure facilities for the students to engage themselves in sports and cultural activities.

12th Sri Lanka University Games in 2016 (SLUG-2016) shall be organized by the University of Jaffna and the preparation are already underway. I take this opportunity to encourage you all to actively partake in SLUG-2016 and bring glory to the University.

May God bless you all to enjoy fruitful University life.

Prof. (Ms.) V. Arasaratnam
Senior Professor in Biochemistry
University of Jaffna

Dean's Message

My Dear Students,

The Faculty of Science welcomes you and takes pleasure in wishing you a successful and rewarding period of stay in the Faculty.

Your purpose in entering the Faculty of Science is to cultivate knowledge in basic sciences (Physical and Biological Sciences and Computer Science) leading to the award of a Bachelor of Science Degree.

The Faculty of Science is ready to serve your purpose and desires to mould you as a competent Graduate, capable of making useful contributions to the local and global scientific communities.

This handbook contains a collection of information that the new entrants to the Faculty of Science, University of Jaffna should know for them to begin their university career with confidence leading to success at the Faculty of Science. Moreover you are advised to consult the Lecturers, Student counsellors, Academic advisors and Head of the Departments for seeking guidance whenever you face any difficulties.

With best wishes,

Prof. S. Srisatkunarajah
Dean/Faculty of Science
University of Jaffna

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1. University Education

1.1. The University of Jaffna

1.1.1. *Brief History*

The Jaffna Campus of the University of Sri Lanka was established in 1974 with a ceremonial inauguration on 6th October 1974 with the late Professor Kailasapathy as its first President. Under the University Act No. 16 of 1978, the Jaffna Campus gained the status of an independent University in January 1979 and became the University of Jaffna.

To know more about the history of the University you may visit the following URL: www.jfn.ac.lk/aboutUs.html

1.1.2. *Vision*

"*To be a leading centre of excellence in teaching, learning, research and scholarship*".

The University of Jaffna is committed to the search for truth in a diverse field of subjects, as has been emphasized in its motto "Meipporul kanpatharivu" (Discernment is Wisdom).

1.1.3. *Mission*

"*To produce intellectual, professionally competent and capable graduates to meet the emerging needs of the national and international community, with a special emphasis on the social, economic and cultural needs of Northern Sri Lanka*".

1.1.4. *Crest*

The crest of the university, shown above, has the 'NANTHI' (bull) symbol at its centre. Nanthi adorned the flag of the Jaffna Kingdom that existed in the Northern Sri Lanka until it was dismantled by the

Portuguese in the 15th century. The traditional oil lamp symbolizes the light of wisdom. The whole emblem is surrounded by 64 flames. These flames depict the sixty four varieties of art that adorns the Tamil culture. The crest is therefore symbolizes the growth of wisdom along with culture.

1.2. Faculty of Science, University of Jaffna

1.2.1. *Brief History*

The Faculty of Science was set up in October 1974 at Vaddukoddai in the premises taken over from the Undergraduates' Section of the Jaffna College. The first batch of students numbering 103 was admitted to the Faculty on 25th October 1974 and only a course in Mathematics and Statistics was provided initially. The late Professor Kanagasabapathy functioned as the first Dean of the Faculty and the Head of the Department of Mathematics and Statistics. After the appointment of Heads of Departments and a few Assistant Lecturers for some of the other disciplines in Science, courses in physical science and bioscience were started in 1975. Thirty five students were admitted to these courses in the academic year 1975/76. As the facilities available in the small laboratories at Vaddukoddai were grossly inadequate for work beyond the First Year Courses and future development at Vaddukoddai was not possible due to acute shortage of fresh water and space, a decision was taken to put up new Faculty buildings at Thirunelvely where the Faculty of Humanities and the administrative offices were sited.

The Faculty shifted to the Thirunelvely premises in June 1978 soon after the completion of work on the Natural Science Block (Stage 1), the foundation for which was laid on 07 May 1975. In 1977, funds were voted for a Physics building and this building came into occupation in September 1980. Funds were also voted for two other buildings in 1979, one for Chemistry and the other for Mathematics and Statistics. The Mathematics and Statistics building was completed in 1985. The Chemistry Block was completed in 1988.

The annual intake of students to the Faculty had increased over the years and it was about 250 in mid-eighties. The Faculty had on its roll over 700 students in mid-eighties. The annual intake started to decline in early nineties.

Since 2009, the Faculty is enjoying intake of students from all parts of the Island representing all ethnic which added greater multicultural environment for the Faculty to foster and promote social harmony. Moreover, the students' population at the Faculty has now reached about 850.

1.2.2. *Vision*

"*To be a recognised centre of science learning in Sri Lanka*".

1.2.3. *Mission*

"*To produce competent graduates who excel in learning and research in basic sciences and who could contribute to the development of the nation*".

1.2.4. *Objectives*

- To attain an internationally recognisable level of teaching and research.
- To disseminate science knowledge and popularise science.
- To improve the quality of science education.
- To provide services directed towards the environmental, social and technological needs of the region.
- To be a regional research centre in Science, developing indigenous scientific methods using local resources to improve the economic and social conditions of the local population.

1.2.5. *Teaching Framework*

Instruction in each course unit may take place in the form of lectures, tutorials, discussions, practical, seminars, projects, assignments, self-study exercises and/or other forms approved by the Faculty Board of Science and the University Senate which are the authorities that decides the methods of teaching.

It is the responsibility and the duty of undergraduates to attend and participate in lectures, tutorials, practical and other work assigned to the undergraduates, to register his/her attendance by signing the attendance list, and to maintain the required percentage of attendance of 80% in each course unit. It should be noted that no undergraduate can keep away

from attending classes (i.e., lectures, tutorials etc.) for more than three consecutive days without informing and obtaining the written approval of the Head of Department. Undergraduates who are unable to attend lectures, tutorials etc. for three consecutive days or more due to illness must submit a valid medical certificate.

Strict measures will be taken by the Departments of studies to monitor the attendance of undergraduates at lectures, tutorials etc., for evaluating their performance as well as for permitting them to take the respective End of Course examinations. Therefore continued attendance at classes is essential.

2. Supportive Facilities for Learning and Sports

2.1. The Main Library

The University Library is situated in front of the Students Centre. It is named after Prof. S.Vithiananthan, the first Vice-Chancellor of the Jaffna University, as 'Vithiananthan Library'. Access to this building is from the Western side of the building facing the Science Faculty. There are branch libraries in the Faculty of Agriculture, Faculty of Engineering, Faculty of Medicine, Ramanathan Academy of Fine Arts (RAFA) and the Sidha Medicine Unit.

Opening hours:

- Week days 8.30 am to 6.15 pm; Saturdays 8.30 am to 2.30 pm.
- The Library is closed on Sundays and public Holidays.

2.2. The Computer Centre

This centre, located at the Faculty of Science premises, serves as the provider of computer services for the whole university. It helps in the teaching of computer courses in all the Faculties and units. The centre has internet access facilities for both students and staff.

The Information Technology Resource Centre (ITRC) was established in 2004 in Level 2 of the main Vithyananthan Library to expand the IT services provided to the staff and students of the whole university. The centre has four teaching laboratories and one Internet Laboratory. The four labs have about 195 computers. The Internet lab has 40 computers. It also houses servers for running the network related services.

2.3. Facilities for Collaborative Learning

Old Science Library building located behind the Chemistry Block is now renovated to provide collaborative learning facilities to encourage combined studies.

2.4. The Physical Education Unit

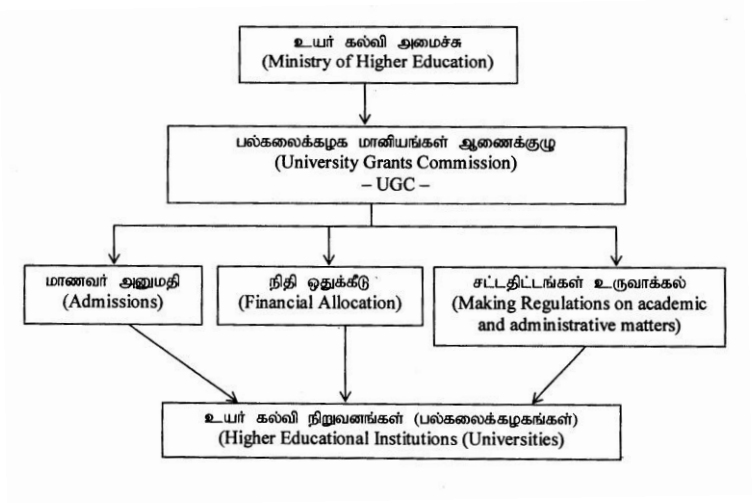
The students are encouraged to take part in Sports to keep themselves physically fit and develop sports skills. The Physical Education Unit situated behind the Medical Faculty Complex handles the following:

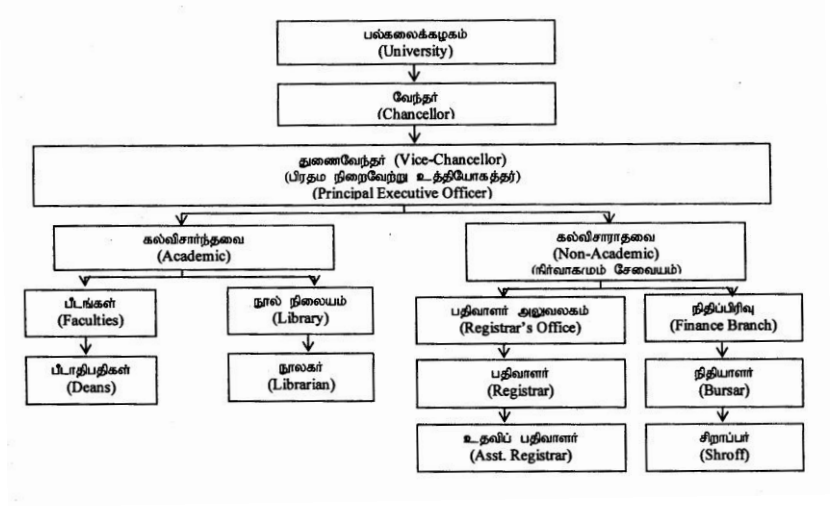
- Providing Sports facilities.
- Maintaining the sports equipment and materials.
- Facilitating friendly matches and tournaments.
- Conducting tournaments.
- Conducting colours awarding ceremony.
- Making arrangements for participation in the inter university games.
- Affiliating with outside sports associations and coordinating with them.

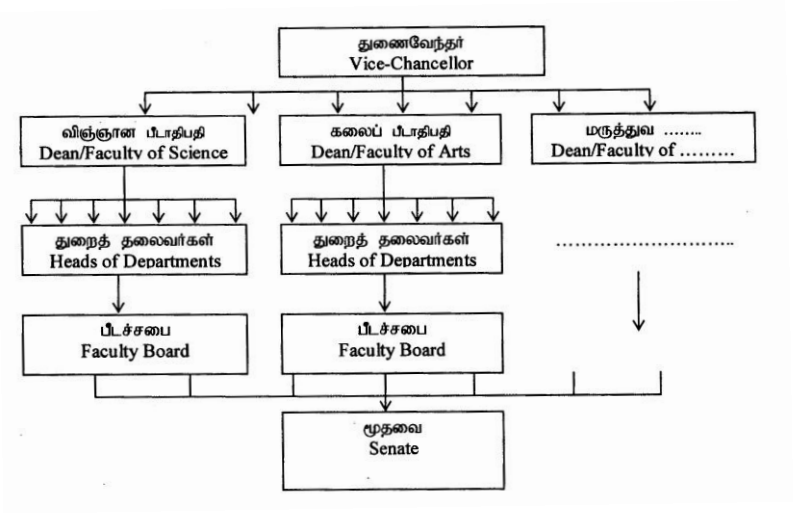
The Sports Complex has a large playground where Courts for Tennis, Basketball, Hockey, Cricket, Soccer, Netball, Volley ball & Elle have been set up and maintained.

The Physical Education Unit provides about more than 26 games to the students: Athletic, Badminton, Basketball, Carom, Chess, Cricket, Elle, Gymnastic, Hockey, Karate, Netball, Rugby, Soccer, Table tennis, Volleyball, Weightlifting, etc.

3. Administrative Setup of the University






துணைவேந்தர்
Vice-Chancellor
விஞ்ஞான பீடாதிபதி
Dean/Faculty of Science
கலைப் பீடாதிபதி
Dean/Faculty of Arts
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Heads of Departments
துறைத் தலைவர்கள்
Heads of Departments
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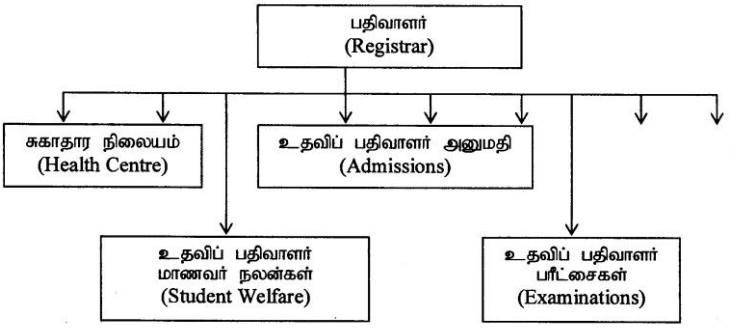
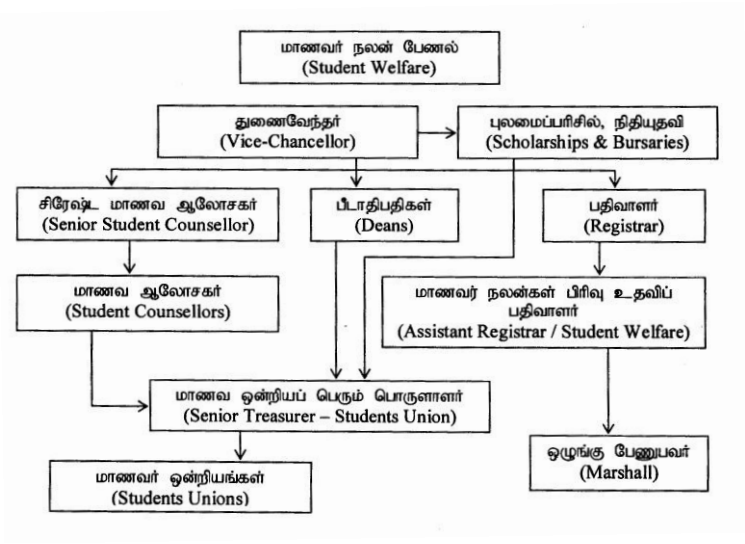
பீடச்சபை
Faculty Board
பீடச்சபை
Faculty Board
மூதவை
Senate


பதிவாளர்
(Registrar)
சுகாதார நிலையம்
(Health Centre)
உதவிப் பதிவாளர் அனுமதி
(Admissions)
உதவிப் பதிவாளர்
மாணவர் நலன்கள்
(Student Welfare)
உதவிப் பதிவாளர்
பரீட்சைகள்
(Examinations)



3.1. The role of the University Grants Commission and the Ministry of Higher Education

There are fifteen universities in Sri Lanka and although they are autonomous universities, the financial allocations for the universities, admission of students to the universities, rules and regulations regarding governance and staff recruitments and infrastructure and academic developments of the universities are controlled by the Ministry of Higher Education of the Government through the University Grants Commission (UGC). HE the President of Sri Lanka appoints the Chairman and members of the UGC.

3.2. The Chancellor and Officers of the University

- Every University has a Chancellor appointed by HE The President. The *Chancellor is the Head of the University* and chairs the Annual Convocation of that university.
- The Principal Executive Officer of a University is its *Vice-Chancellor* who is also appointed by HE the President.
- The University administration is divided into two sectors: Academic and non-academic.
- Although the Vice-Chancellor is in overall charge of both academic and non-academic matters, the *Registrar* is the Principal Executive

Officer for all non-academic matters. The officer responsible for the financial sector is the *Bursar*. There are several Senior Assistants Registrars, Assistant Registrars, Senior Assistant Bursars and Assistant Bursars assisting the Vice-Chancellor/ Registrar/Bursar.

3.3. The Faculties and Academic Departments

There are seven Faculties in the University of Jaffna and two in the Vavuniya Campus of the University of Jaffna. They are:

1. Faculty of Agriculture (Ariviyal Nagar, Kilinochchi)
2. Faculty of Applied Sciences (Vavuniya Campus)
3. Faculty of Arts
4. Faculty of Business Studies (Vavuniya Campus)
5. Faculty of Engineering (Ariviyal Nagar, Kilinochchi)
6. Faculty of Graduate Studies
7. Faculty of Management Studies and Commerce
8. Faculty of Medicine
9. Faculty of Science

Each Faculty has academic Departments of Study. The Faculty of Science, University of Jaffna has the following seven academic Departments:

1. Department of Botany
2. Department of Chemistry
3. Department of Computer Science
4. Department of Fisheries
5. Department of Mathematics and Statistics
6. Department of Physics
7. Department of Zoology

3.4. Administration of the Faculties

Each Department is comprised of academic staff (Senior Professors, Professors, Associate Professors, Senior Lecturers, Lecturers and Probationary Lecturers). The list of Academic Staff in the Departments of the Faculty of Science are given on Page 49.

Heads of Departments are appointed by the Vice-Chancellor from among the Senior academic staff.

A *Faculty Board*, comprising of all the Permanent academic staff of the Faculty, three members elected from among prominent persons working in disciplines related to the Faculty and two representatives of the students make recommendations/decisions regarding academic matters in the Faculty.

Each Faculty has a *Dean*, who is the Head of the Faculty concerned. The Dean is elected by the Faculty Board from among the Heads of Departments. All Faculty Board members excluding the two student representatives are eligible to vote in the election of the Dean. The Dean is the academic and administrative head of the Faculty concerned and the Chairman of the Faculty Board.

The Office of the Dean of the Faculty of Science is located on the western side of the Physics Block. Each Faculty has an Assistant Registrar to assist the Dean with Faculty administration. The names of the Dean, the Heads of Departments and the Assistant Registrar of the Faculty of Science are given on Page 48. Their contact details are given on Page 51-52.

The Vice-Chancellor, the Deans, the Registrar, the Bursar and the Librarian are the Principal Officers of the University. The names of the Principal Officers along with that of the Chancellor of the University are given on Page 48. Students are encouraged to seek assistance from the Office of the Dean and the Heads of Departments regarding their study programmes and appropriate subject combinations.

3.5. The University Senate

The University Senate is the highest academic body of the university. All the Deans, Professors, Heads of Departments and two academics elected from each Faculty are the members of the Senate. The Vice-Chancellor is the Chairman of the Senate. All recommendations made by the Faculty Board regarding academic matters are referred to the Senate for approval.

3.6. Other Academic Entities

Apart from the Faculties, the university has some academic units. They are:

1. External Examinations Unit
2. Extra Mural Studies Unit

3. Media Resource and Training Centre (MRTC)
4. Siddha Medicine Unit
5. Workers Education Unit

3.7. Administrative Branches of the University

A brief account of the work carried by the different administrative organs of the university is given below:

3.7.1. *Administration Branch*: Administration branch handles many matters including postal, communication and transport services which are services relevant to the students.

3.7.2. *Establishments Branch*: The Establishments branch handles the works relating to university employees and are therefore not relevant to the students.

3.7.3. *Examinations and Admissions Branch*: Examinations and Admissions branch handles the work of students registrations, examinations and release of results. This branch prepares the Degree certificates and maintains the academic records and register of graduates. It also issues the transcripts and details of examination results at the request of the students.

3.7.4. *Welfare Services Branch*: This branch looks after the welfare of the university students and hence one of the most important administrative organs of the university as far as the students is concerned. It handles matters such as providing accommodation to students at the university hostels and helping the students to get accommodation outside the university, providing canteen facilities, maintaining social harmony among the students, student counselling, health services and the matters relating to student discipline in the university. It also handles the work relating to the Vice-Chancellors Fund, the Mahapola Bursaries etc.

3.7.5. *Academic and Publication Branch*: The Academic branch engages itself with the working relating to the Senate meetings, publication of annual reports, books, etc., making arrangements for the convocation and handling the endowments for scholarships, prizes and Gold Medals.

3.7.6. *Finance Branch*: The Finance Branch handles all the financial matters including purchases and supplies.

3.7.7. *Planning and Maintenance Branch*: This branch is responsible for utilities such as Water and Electricity Supply, maintenance of buildings and structures etc.

3.7.8. *Security Department*: This Department headed by a Chief Security Officer (CSO) has more than fifty security personnel to protect the properties of the university and give security to the university community.

4. The Structure of the Bachelor Degree Programmes in the Faculty of Science, University of Jaffna

Academic Programmes of the Faculty of Science, University of Jaffna operates on a modularized credit valued, semester based course unit system.

4.1. General

4.1.1. *Admission to Bachelor Degree Programmes*

Students are admitted by the University Grants Commission under the Physical and Biological Science streams. Students are also admitted to the Faculty directly for a four year Degree Programme in Computer Science.

4.1.2. *Degrees*

The Faculty offers Degrees in Physical and Biological Sciences of four years duration with an exit point at the end of the third year.

The different types of four year degree programmes that are offered at present are as follows:

(i). B.Sc. (Special) Degree
(ii). B.Sc. (Subject Specific) Degree

The Selection to Special Degree courses (programme (i)) is done at the end of the second year of study.

Programme (ii) covers one or more subjects including components offered by different departments in the Faculty of Science as well as departments in other Faculties.

At present two Subject Specific Degrees are offered. One is *B.Sc. in Science and Education*. It is offered by the Faculty of Science with the assistance and participation of the Department of Education, Faculty of Arts of the University. The selection to this Degree programme is done at the end of the second year of study.

The other subject specific degree is the *B.Sc. in Computer Science*. Students are admitted directly by the UGC for the subject specific degree B.Sc. in Computer Science of four years duration.

An exit at the end of the third year of study is possible in the degree programmes (i) and (ii). Students, other than those admitted by the UGC directly for the subject specific degree B.Sc. in Computer Science, exiting a four year degree programme at the end of the third year and students not admitted to any of the four year degree programmes will be awarded a *B.Sc. (General Degree)* if they satisfy the stipulated conditions.

Students admitted to the *Bachelor of Science in Computer Science* degree by the UGC directly for the Subject Specific Degree B.Sc. in Computer Science may exit at the end of the third year and they will be awarded a *Bachelor of Computer Science* degree if they satisfy the stipulated conditions.

A student who has fulfilled the following requirements is deemed to have satisfied the conditions for the award of *B.Sc. (General Degree)* or *Bachelor of Computer Science Degree*:

(i). Possess Grade **C** or above in the Auxiliary Course English Language and Grade **D+** or above in each of the three Auxiliary Course units: SLS102GA0, MES301GA0 and CSK302GA0.

(ii). Obtains an overall GPA of not less than 2.0.

4.1.3. Names of the Degrees

4.1.3.1. *Name of the four year degrees*: The four year degrees are named according to the type of the programmes and the subjects that are supplicated.

4.1.3.2. *Special Degrees*: These programmes would involve specialisation in one single Principal Subject. The Special Degrees are named according to the subjects that are supplicated. The name of the Degree shall be B.Sc. (Special) Degree in 'X'.
E.g.: B. Sc. (Special) Degree in Chemistry

4.1.3.3. *Subject Specific Degrees*: These programmes would cover one or more subjects including components offered by different departments of study.

The name of the Degree shall be B.Sc. Degree in 'X' or B.Sc. Degree in 'X' and 'Y'.
E.g.: B.Sc. Degree in Computer Science
B.Sc. Degree in Science and Education

A list of four year courses offered by the Faculty of Science at present is given below:

Special Degree courses in Principal subjects

No.	Name of the Degree	Abbreviation
1.	Bachelor of Science (Special) Degree in Chemistry	B.Sc. (Special) Degree in Chemistry
2.	Bachelor of Science (Special) Degree in Computer Science	B.Sc. (Special) Degree in Computer Science
3.	Bachelor of Science (Special) Degree in Mathematics	B.Sc. (Special) Degree in Mathematics
4.	Bachelor of Science (Special) Degree in Physics	B.Sc. (Special) Degree in Physics
5.	Bachelor of Science (Special) Degree in Botany	B.Sc. (Special) Degree in Botany
6.	Bachelor of Science (Special) Degree in Statistics	B.Sc. (Special) Degree in Statistics
7.	Bachelor of Science (Special) Degree in Zoology	B.Sc. (Special) Degree in Zoology
8.	Bachelor of Science (Special) Degree in Fisheries Science	B.Sc. (Special) Degree in Fisheries Science

Subject Specific Degree courses

No.	Name of the Degree	Abbreviation
1.	Bachelor of Science Degree in Computer Science	B.Sc. in Computer Science
2.	Bachelor of Science Degree in Science and Education	B.Sc. in Science and Education

The name of the three year degrees:

This degree programme is offered for the following category of students:

(a) students opting for a three year degree.
(b) students following a four year degree programme who opt to exit at the end of the third year.
(c) students who have failed to gain admission to four year degree programmes.

The name of the three year degrees shall be *B.Sc. (General) Degree*.

Note: If a student admitted by the UGC directly for the B.Sc. in Computer Science course of four years duration opt to exit at the end of the third year, the name of the degree he/she will be awarded is *Bachelor of Computer Science Degree*.

4.1.4. Academic year

An Academic year consists of two semesters, Semester 1 and Semester 2. The duration of a Semester is 15 weeks.

4.1.5. Credit valued course unit system

A *course unit* is a subject module that has a credit value. A *credit* is a time based quantitative measure assigned to course units on the basis of number of contact hours and is defined in Section 4.1.6. The performance of students in the course units are divided into a sequence of sub-ranges designated by symbols called *Grades* (see Section 4.4.3.) and each Grade is assigned a *Grade Point Value* (GPV). *Grade Point Average* (GPA) is defined in Section 4.4.4. The credit rating of course units offered by the Faculty may vary from one credit (minimum) to six credits (maximum). The course units are organised at the following levels:

- Level 1G (General Degree Level)---------- First year
- Level 1S (Subject Specific Degree Level) ---------- First year
- Level 2G (General Degree Level) ---------- Second year
- Level 2S (Subject Specific Degree Level) ---------- Second year
- Level 3G (General Degree Level) ---------- Third year
- Level 3S (Subject Specific Degree Level)---------- Third year
- Level 3M (Special Degree Level)---------- Third year
- Level 4S (Subject Specific Degree Level) ---------- Fourth year
- Level 4M (Special Degree Level) ---------- Fourth year

The abbreviations G, M and S refer to course units at the General Degree, Special Degree, and Subject Specific Degree, respectively. The Auxiliary/ Enhancement course units which are defined in Section 4.1.7.1 form a part of the General Degree course units and are abbreviated by "G" as well. There could be overlapping between the course units of Levels 3M, 3S, 4M and 4S.

4.1.6. Definition of a credit

- For course units consisting of theory only, 15 hours of lectures and tutorials is equivalent to one credit.
- For course units involving laboratory work, 15 practical sessions each of two to three hours duration is equivalent to one credit.
- The credit values of courses that have both theory and practical components are calculated by giving due weightage to the components accordingly, as stipulated above.
- For course units involving field work, the assigned credit value shall be given in the approved syllabi.
- For Research Projects of one semester duration the assigned credit value shall be between 3 and 6.

4.1.7. The Subject Areas

The course units are derived from the following categories:

(a) Auxiliary and Enhancement subject areas.
(b) Principal subject areas.
(c) Supplementary subject areas.
(d) Subject Specific Areas.
(e) Inter-Faculty Subject Areas.

Credits earned in all course units, excluding the Auxiliary course units shall be considered in computing GPAs (Please see Section 4.4.4 for the definition of the GPA). However, obtaining a minimum grade in the Auxiliary Course Units shall be a requirement for the award of a degree.

4.1.7.1. *Auxiliary and Enhancement Subject Areas*: The Auxiliary and Enhancement Course units are designed to provide basic knowledge on a wide-range of disciplines that an undergraduate should possess in the present era.

The Auxiliary Course Units are treated as non-credit valued course units as they are not taken for the computation of the GPA. The Enhancement course units are credit valued and taken for the computation of the GPA. However all the auxiliary course units shall be evaluated and considered for the award of degrees. The Auxiliary Course Units offered and the Letter Codes assigned to them are given in the following table:

Topics in Auxiliary Courses	Letter Code
English Language	ENG
Sri Lankan Studies and Social Harmony	SLS
Management and Entrepreneurial Skills	MES
Career Guidance	CAG
Communication Skills	CSK

The Enhancement Course Units offered and the Letter Codes assigned to them are given in the following table:

Topics in Enhancement Courses	Letter Code
Computer Literacy	COM
Mathematics for Biological Science students	MBS
Biology for Physical Science students	BPS
Science and Society	SAS

4.1.7.2. *Principal Subject Areas*: The Faculty, at present, offers courses in ten Principal Subject areas. The subjects offered and the Letter Codes assigned to them are given in the following table:

Principal Subject	Letter Code
Applied Mathematics	AMM
Botany	BOA
Chemistry	CHE
Computer Science	CSC
Fisheries Science	FIS
Mathematics	MMT
Physics	PHY
Pure Mathematics	PMM
Statistics	STA
Zoology	ZOL

Note: (a) Students who have offered Pure Mathematics and Applied Mathematics as Principal subjects in Levels 1G and 2G only could be admitted for the Special Degree course in Mathematics.

(b) Courses in Mathematics are offered at Levels 3M and 4M only.

4.1.7.3. *Supplementary Subject areas*: The Faculty offers courses in many supplementary subject areas depending on the availability of resources, and the courses offered may change from year to year.

The Supplementary Subject Areas offered at present and their corresponding Letter Codes are listed in the following table:

Supplementary Subject area	Letter Code
Basic Computing	BAC
Biotechnology	BTE
Electronics	ELE
Environmental Science	ENS
Food Science & Nutrition	FSN

4.1.7.4. *Subject Specific Areas*: At present the Faculty offers only one course in Subject Specific area. It is in Science and Education. The Letter Code for Education is **EDU**. This B.Sc. Degree in Science and Education is conducted with the assistance of staff from the Department of Education of the Faculty of Arts.

4.1.7.5. *Inter Faculty Subject Areas*: The students with the prior approval of the Faculty Board of Science may also select course units offered by another Faculty of this University, if the timetable permits. For example course units in Management from the Faculty of Management Studies and Commerce or Course units in Economics from the Faculty of Arts.

4.1.8. Classification of Course Units, Course Codes and the Syllabi

4.1.8.1. *Classification of Course Units*: All the course units other than Auxiliary Course units are classified into two; namely,

- Core (C) course units
- Elective (E) course units

Core course units of a Principal Subject / Subject Specific Area are considered as essential core of the subject and the students would be required to select all the core course units of two or three Principal Subjects (see Section 4.2).

The *Elective course units* of a Principal Subject are course units outside the core course units of that Principal Subject and are subject modules offered in addition to the core course units to provide broader knowledge of the subject.

The credit value of all the core course units in a *Principal Subject* and the minimum credit value of the Elective Course units offered in that Principal Subject at different levels are given in the following table:

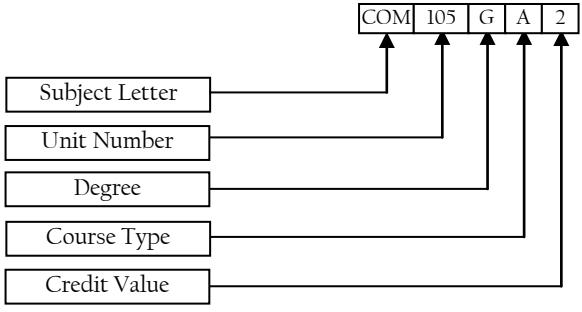
Credit Value of a Principal Subject		
Level	Total Credit Value of Core Course Units	Minimum Credit Value of the Elective Course Units
1G	8	0
2G	8	4
3G	8	4
3M	16	0
4M	Between 20 and 24	Between 10 and 6

The course units offered in Supplementary Subject areas and Inter-Faculty Subject areas are also treated as Elective.

4.1.8.2. *The Course Codes*: A three-letter prefix, followed by a three-digit number, followed by two letters and a single digit is used to identify the course units offered.

- The first three letters indicate the Letter Code of the Subject/ Subject Area.
- The first digit of the three-digit number indicates the level (1, 2, 3 or 4) at which the course unit is given.
- The other two digits is the identification number assigned to that particular course unit.
- The first letter of the two-letters that follow the three digit number indicates whether the course unit is a unit at General (G), Special (M) or Subject Specific (S).
- The second letter of the two letters that follow the three digit number indicate whether the course is Auxiliary/Enhancement (A), Core (C) or Elective (E).
- The last digit indicates the credit value of the course unit.

The Course Codes and the titles of all course units offered by the Faculty with their credit values at all levels are given in Annexure A1 to A10 (Pages 34 – 47).



4.1.8.3. *Syllabi of the Course Units*: The objectives, syllabus and the method of evaluation of each course unit available at the various levels are given in the Faculty publication named "Structure and Syllabi of the Bachelor Degree Programmes" copies of which are made available in the Main (Vithiananthan) Library and the Departmental Libraries for reference.

4.1.9. Medium of Instruction

The medium of instruction is only English.

4.1.10. Selection of Course Units at various levels and Registration

4.1.10.1. *Level 1G* (First Year): Students in the First year of study shall register for three Principal Subjects and relevant Auxiliary/ Enhancement course units stipulated in Section 4.2.1. The allowed subject combinations from Principal subject areas are given in the following table:

Allowed Subject Combinations – Level 1G

Serial No.	Principal Subject		
	1	2	3
1.	Botany	Zoology	Chemistry
2.	Botany	Zoology	Fisheries
3.	Botany	Chemistry	Fisheries
4.	Chemistry	Zoology	Fisheries
5.	Pure Maths	Applied Maths	Statistics
6.	Pure Maths	Applied Maths	Computer Science
7.	Pure Maths	Applied Maths	Physics
8.	Pure Maths	Applied Maths	Chemistry
9.	Statistics	Pure Maths	Chemistry
10.	Statistics	Pure Maths	Computer Science
11.	Statistics	Applied Maths	Chemistry
12.	Statistics	Applied Maths	Physics
13.	Computer Science	Pure Maths	Physics
14.	Computer Science	Applied Maths	Physics
15.	Computer Science	Applied Maths	Chemistry
16.	Pure Maths	Physics	Statistics
17.	Chemistry	Computer Science	Pure Maths
18.	Chemistry	Computer Science	Statistics

There may be a limit on the number of students who could be admitted to a particular subject or subject combination. At such instances the admission to those subjects or subject combinations will be made on merit and will be based on G.C.E. (A/L) performance.

Academic Advisors appointed by the Faculty Board of Science will help the students in selecting the subject combinations judiciously. The Names of the Academic Counsellors are given on Page 52.

Students will be allowed to change a registered subject combination *only within the first two weeks* of the commencement of the first semester.

4.1.10.2. *Level 1S* (First Year): Students admitted by the UGC directly for the Subject Specific Degree B.Sc. in Computer Science shall register for the three Principal Subjects Computer Science, Pure Mathematics and Statistics and relevant Auxiliary/Enhancement course units stipulated in Section 4.2.1.

4.1.10.3. *Level 2G* (Second Year): Students in the Second year (Level 2G) shall register at the beginning of an academic year for course units in two or three Principal Subjects, Supplementary Subject Areas and Inter-Faculty Subject Areas, if any, and the relevant Auxiliary/Enhancement subject areas stipulated in Section 4.2.2. The total number of credits of the registered course units of the level shall not be less or greater than the number stipulated for the level (Please see the Table in Page 24 for details).

Academic advisors appointed by the Faculty Board of Science will help the students in selecting the course units judiciously. Students will be allowed to withdraw from a registered course unit, *only within the first two weeks* of the commencement of the first semester, provided that the minimum credit requirement is not violated. Withdrawals after this period cannot be effected, except on medical grounds or due to other valid reasons.

There will be a minimum and a maximum number of students who could be accommodated to a given course. The departments decide on this number based on the availability of resources.

4.1.10.4. *Level 2S* (Second Year): Students admitted by the UGC directly for the Subject Specific Degree B.Sc. in Computer Science in their Second year (Level 2S) shall register at the beginning of the academic year for all core course units (aggregating to twelve credits) in Computer Science at Level 2S and all core course units (aggregating to eight credits) and elective course units (aggregating to four credits) in Computer Science at Level 2G and the relevant Auxiliary/Enhancement subject areas stipulated in Section 4.2.2. The students shall also register for course units aggregating to four to eight credits chosen from Level 2G course units in Pure Mathematics and/or Statistics so that the total number of credits of the registered course units of the level shall not be less or greater than the number stipulated for the level.

4.1.10.5. *Level 3G, 3M, 3S* (Third Year): Applications for Special, Joint Major and Subject Specific programmes (other than the B.Sc. in Computer Science programme for which students are admitted directly by the UGC) shall be invited at the beginning of the third year of studies. The admission to these programmes is based on the performance of the applicants in the course units of Levels 1G and 2G and the availability of places.

Special Degree Programmes are offered in the following Principal subjects:

- Botany,
- Chemistry,
- Computer Science,
- Fisheries Science,
- Mathematics,
- Physics,
- Statistics and
- Zoology.

Subject Specific Degree Programmes are offered in identified special areas. At present it is offered in

- Computer Science and
- Science and Education

This list shall be updated subject to the availability of resources.

4.1.10.6. *Level 4M and 4S* (Fourth Year): Students in Levels 3M and 3S shall proceed to the fourth year of studies by registering to the appropriate course units at the beginning of the fourth year.

4.1.10.7. The minimum requirements for admission to four year degree programmes are given in Section 4.3.

4.2. Credit Requirements

Students will be evaluated in all registered course units including those in auxiliary subject areas but only the credits earned in the credit-valued course units (i.e., excluding the Auxiliary Course units) shall be considered for the calculation of GPA (please see Section 4.4.4 for the definition of GPA).

The minimum credit requirements for a three year degree shall be ninety **(90)** and for four year degrees one hundred and twenty **(120)**.

Students proceeding to the fourth year of study must have offered course units aggregating to at least ninety credits **(90)** and all the stipulated Auxiliary Course units during the first three years.

In each semester, a student should offer course units aggregating to at least ten credits.

The **minimum/maximum** aggregate of the credits of the credit valued course units (i.e., All course units other than Auxiliary Course units) that shall be followed at the various levels in a General / Special and Subject Specific Degree programmes are given in the following table:

Degree	Number of Credits									
	Level 1G/1S		Level 2G/2S		Level 3G		Level 3M/3S		Level 4M/4S/4X	
	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
General	30	30	28	32	28	32	-	-	-	-
Special (subjects other than Mathematics)	30	30	28	32	16	16	16	16	30	33
Special (Mathematics)	30	30	28	32	16	16	16	16	30	33
Subject Specific degree (Computer Science)	30	30	28	32	14	16	16	16	30	33
Subject Specific degrees (other than Computer Science)	30	30	28	32	16	20	12	16	30	33

The details of the course units to be followed at each level of the various degree programmes are given in the following sections.

4.2.1. Course Units Offered in Level 1

In **Level 1G**, the students offer Level 1G credit valued course units aggregating to **thirty** credits and the two auxiliary course units listed below. Only the thirty credits earned in the credit valued course units shall be used to compute the overall or any other GPA.

The students offer the following:

a). Two *Auxiliary course units*:
   (i). English Language.
   (ii). Sri Lankan Studies and Social Harmony.

b). *Enhancement course units* aggregating to **six** credits:
   (i). Course unit in either Mathematics for Biological Science students or Biology for Physical Science students having a credit value two.
   (ii). Course unit in Science and Society having a credit value two.
   (iii). Course unit in Computer Literacy having credit value two.

c). All Level 1G core course units in **three** Principal subjects (the allowed subject combinations are given on Page 21) aggregating to **twenty four** credits.

In **Level 1S, Direct Intake Computer Science** students admitted by the UGC directly for the Subject Specific Degree B.Sc. in Computer Science in their First year (Level 1S) shall follow all Level 1G Course Units in the Principal Subjects Computer Science, Pure Mathematics and Statistics (aggregating to **twenty four credits),** the two Auxiliary course units and the three Enhancement Course Units (aggregating to **six credits**) listed above.

4.2.2. Course Units offered in Level 2

In **Level 2G,** all students offer Level 2G credit valued course units aggregating to a minimum of **twenty eight** credits and a maximum of **thirty two** credits. They also follow the two auxiliary course units listed below. Only the twenty eight to thirty two credits earned in credit-valued course units shall be used to compute the overall or any other GPA.

The students offer:

a). Level 2G Auxiliary course unit in English Language.
b). An Auxiliary course unit in Career Guidance.
c). Either all Level 2G core course units (eight credits) of each of **three** Principal subjects **or** all Level 2G core course units (eight credits) and elective course units aggregating to four credits in each of **two** principal subjects so that the total number of credits earned is **twenty four.**
d). Course units whose credit value aggregate between **four and eight** credits by offering course units from the remaining core / elective course units of the Principal Subject(s) offered and/or the list of Supplementary course units available for Level 2G or approved Inter-Faculty course units.

All Principal Subjects must be chosen from the ones offered in Level 1G.

In **Level 2S, Direct Intake Computer Science** students admitted by the UGC directly for the Subject Specific Degree B.Sc. in Computer Science offer credit valued course units aggregating to a minimum of **twenty eight** credits and a maximum of **thirty two** credits in addition to the two non-credit valued Auxiliary course units of Level 2G.

The students offer:

a). Level 2S Core course units in Computer Science (aggregating to **twelve credits**).
b). All Level 2G Computer Science Core course units (aggregating to **eight credits**) and Elective course units (aggregating to **four credits**).
c). Course units in Pure Mathematics and/ or Statistics aggregating to **four to eight credits**.
d). Level 2G Auxiliary course unit in English Language.
e). An Auxiliary course unit in Career Guidance.

4.2.3. Course Units offered in Level 3G/3S

In **Level 3G,** the students offer Level 3G credit valued course units aggregating to a minimum of **twenty eight** credits and a maximum of **thirty two** credits. They also follow the three auxiliary course units listed below. Only the twenty eight to thirty two credits earned in credit-valued course units shall be used to compute the overall or any other GPA.

The students offer:

a). An Auxiliary course unit in Management and Entrepreneurial skills.
b). An Auxiliary course unit in Communication Skills.
c). An Auxiliary course unit in Career Guidance.
d). Either all Level 3G core course units (eight credits) of each of **three** Principal Subjects **or** all Level 3G core course units (eight credits) and elective course units aggregating to four credits in each of **two** Principal Subjects offered at level 2G so that the total number of credits earned is **twenty four.**
e). Course units whose credit value aggregate between **four and eight** credits by offering course units from the remaining core / elective course units in the Principal Subjects and/or the list of Supplementary course units available for Level 3G or approved Inter-Faculty course units.

In **Level 3S, Direct Intake Computer Science** students admitted by the UGC directly for the Subject Specific Degree B.Sc. in Computer Science offer credit valued course units aggregating to a minimum of **thirty** credits and a maximum of **thirty two** credits in addition to three non-credit valued Auxiliary course units of Level 3G.

The students offer:

a). An Auxiliary course unit in Management & Entrepreneurial skills.
b). An Auxiliary course unit in Communication Skills.
c). An Auxiliary course unit in Career Guidance.
d). Level 3G Core course units aggregating to **eight** credits and elective course units aggregating to **four** credits in Computer Science.
e). Level 3G Course units aggregating up to **two to four** credits from Level 3G Course units in Pure Mathematics and/or Statistics in consultation with the Department of Computer Science.
f). Course units chosen from Level 3M/4M in Computer Science aggregating to **sixteen** credits.

In **Level 3S,** all students **other than Direct Intake Computer Science** students offer course units aggregating to **thirty-two** credits in credit valued course units. They also follow the three auxiliary course units listed below. Only the twenty eight to thirty two credits earned in the credit-valued course units shall be used to compute the overall or any other GPA.

The students offer:

a). An Auxiliary course unit in Management & Entrepreneurial skills.
b). An Auxiliary course unit in Communication Skills.
c). An Auxiliary course unit in Career Guidance.
d). Level 3G Course units aggregating to a minimum of **sixteen** and a maximum of **twenty** from among the Principal Subjects offered in Level 2G and specified as compulsory for the specific subject.
e). Level 3S Course units aggregating to a minimum of **twelve** and a maximum of **sixteen** credits.

4.2.4. Course Units offered in Level 3M

In **Level 3M,** students offer course units aggregating to **thirty-two** credits in credit valued course units choosing course units from Level 3G aggregating to **sixteen credits** and course units from Level 3M/4M

aggregating to **sixteen credits** in the subject of specialisation. They also follow the three auxiliary course units listed in the previous section. Only the thirty two credits earned in the credit-valued course units shall be used to compute the overall or any other GPA.

In **Level 3M**, for special degree in **subjects other than Mathematics** students offer:

a). An Auxiliary course unit in Management and Entrepreneurial skills.
b). An Auxiliary course unit in Communication Skills.
c). An Auxiliary course unit in Career Guidance.
d). Level 3G Core course units aggregating to **eight** credits and elective course units aggregating to **four** credits in the subject of specialisation.
e). Level 3G Course units aggregating to **four** credits from other Principal Subject(s) in consultation with the department of the subject of specialization and
f). Course units chosen from Level 3M/4M in the subject of specialisation aggregating to **sixteen** credits.

In **Level 3M**, for special degree in **Mathematics** students offer:

a). An Auxiliary course unit in Management and Entrepreneurial skills.
b). An Auxiliary course unit in Communication Skills.
c). An Auxiliary course unit in Career Guidance.
d). Level 3G Core course units aggregating to **eight** credits in **each** of the subjects Pure Mathematics and Applied Mathematics.
e). Course units chosen from Level 3M/4M in Mathematics aggregating to **sixteen** credits.

4.2.5. Course Units offered in Level 4S

1). In Level 4S, **Direct Intake Computer Science** students admitted by the UGC directly for the Subject Specific Degree B.Sc. in Computer Science in their Fourth year (Level 4S) offer course units chosen from the course units of Level 3M/4M such that the total credit values of Level 3M and 4M course units offered in the third and fourth year aggregates between **forty six** and **forty nine**. The course units offered should include all the core course units of Levels 3M and 4M. All the course units offered by a student shall be used to compute the overall or any other GPA of that student.

2). In Level 4S, all students **other than Direct Intake Computer Science** students offer Level 4S course units aggregating between **thirty** and **thirty three** credits by choosing all the compulsory course units specified in the approved syllabi. All the course units offered by a student shall be used to compute the overall or any other GPA of that student.

4.2.6. Course Units offered in Level 4M

The students offer course units chosen from the course units of Level 3M/4M such that the total credit values of Level 3M and 4M course units offered in the third and fourth year aggregates between **forty six** and **forty nine**. The course units offered should include all the core course units of Levels 3M and 4M. All the course units offered by a student shall be used to compute the overall or any other GPA of that student.

4.3. Selection to Four Year Degree Programmes

4.3.1. The minimum requirement for selection to **Special Degree programmes other than Mathematics** is as follows:

a). Have obtained at least Grade B in Level 1G and Level 2G course units aggregating to **eight** credits, in the subject of specialisation. Of these eight credits, at least six should be earned in core course units.
b). Have obtained a GPA of not less than 2.50 calculated for the course units in the subject of specialisation at levels 1G and 2G.
c). Have obtained a GPA of not less than 2.25 calculated for all the course units of Levels 1G and 2G.

4.3.2. The minimum requirement for selection to **Special Degree programme in Mathematics** is as follows:

a). Have obtained at least Grade B in Levels 1G and 2G course units aggregating to **sixteen** credits in Pure Mathematics and Applied Mathematics.
b). Have obtained a GPA of not less than 2.50 calculated for the course units in Pure Mathematics and Applied Mathematics of Levels 1G and 2G.

c). Have obtained a GPA of not less than 2.25 calculated for all the course units of Levels 1G and 2G.

4.3.3. The minimum requirement for selection to the B.Sc Subject specific Degree Programmes (other than Computer Science (Direct Intake) Programme) is as follows:

a). Have obtained a GPA of not less than 2.50 calculated for the course units of Levels 1G and 2G in the two subjects that form the basis to the subject specific degree.
b). Have obtained a GPA of not less than 2.25 calculated for all the course units of Levels 1G and 2G.

4.4. Evaluation Procedures and Examinations

A course unit shall be evaluated by means of:

a). an in-course assessment consisting of suitable combinations of assignments, reports, oral presentations, oral examinations, quizzes, Spot examinations in Practical, continuous assessment, in-course assessment examinations, etc., and
b). an end of course examination.

The method of evaluation of each course unit is given along with the syllabus in the Faculty publication named "Structure and Syllabi of the Bachelor Degree Programmes" copies of which are made available in the Main (Vithiananthan) Library and the Departmental Libraries for reference.

The performance of a student in English as a Second Language shall be calculated by giving a weight of one for ENG101GA0 and three for ENG201GA0. The marks thus obtained will be graded according to a grading system decided by the Faculty Level Examination Board.

For those course units in Botany and Zoology which have a practical component, students should obtain at least a D^+ Grade in each of the theory component and the practical component to secure any grade higher than 'E'.

4.4.1. In-Course Assessments

All in-course assessments of any course unit (assignments, reports, oral presentations, quizzes, Spot examinations in Practical, continuous assessments, in-course assessment examination) shall be carried out during the period of that course unit.

In-course assessments of course units shall be carried out at the dates and times determined by the Office of the Dean in consultation with the department offering that course unit. The Head of the Department concerned is responsible for the marks awarded to all components of the in-course assessment of course units offered by the respective department.

The marks scored by a student in the various components of the in-course assessment of any course unit shall be displayed in the Notice Board of that department by the Head of that department.

4.4.2. End of Course Examinations

An end of course examination shall be conducted for each course unit at the end of the course or at the end of the semester in which the teaching of the course is completed.

The end of course examinations shall be conducted by the Examination Branch of the University. The date and time of the end of course examinations shall be decided at the beginning of each semester by the Dean in consultation with the Heads of Departments.

An Examination Board of the Faculty constituted for each course unit shall finalise the results of that course unit.

The *Grades* obtained by the students in the end of course examination and the overall Grades obtained by the students for that particular course shall be displayed by the Head of the Department concerned after ratification by the Examination Board. The Dean shall send Grades List to the Examination Branch.

When the results of the examinations on all the course units of a particular Level of an academic year are received by the Examination Branch, the Examination Branch will summon a meeting of the

Examination Board chaired by the Vice-Chancellor. The Board will release the overall performance of the students in that Level of that academic year giving the GPA scored by the students in that Level. The Board shall also release the overall GPA scored by the students up to that Level.

The Examination Board chaired by the Vice-Chancellor will also release the overall GPA and the Class of Honours obtained by the students who have completed that course of study in that academic year.

4.4.3. Grading System

Performance of students in respect of a course unit is graded according to the following grading system. A Grade Point Value (GPV) as indicated in the following table is assigned to each grade:

Grade	GPV
A^+	4.0
A	4.0
A^-	3.7
B^+	3.3
B	3.0
B^-	2.7
C^+	2.3
C	2.0
C^-	1.7
D^+	1.3
D	1.0
E	0.0

4.4.4. Grade Point Average (GPA)

During the study period, a student accumulates grade points from various courses offered. From the grade points accumulated, a Grade Point Average (GPA) may be calculated at any stage: for a level or more or for a subject or more as may be necessary. The GPA is calculated using the formula

$$\text{GPA} = \frac{\sum c_n g_n}{\sum c_n}$$

where c_n and g_n are the credit value and the grade point value respectively of the n^{th} course unit. Any calculated GPA shall be rounded to the second decimal place.

4.4.5. Attendance

Attendance at 80% of the lectures and practical classes is compulsory. Absence on medical grounds must have the recommendation of the University Medical Officer. Absence due to medical grounds or any other valid reason should be approved by the Faculty Board and the Senate.

4.4.6. Repeating Examinations

- No student will be allowed to repeat In-Course Assessments of any Course Unit. If a student is unable to sit for an In-Course Assessment examination for valid reasons he/she shall inform the Head of the Department concerned within three days of the date of resumption of attending the classes. If the reasoning is acceptable to the Head of the Department, the particular In-Course Assessment could be conducted on a different date determined by the Head of the Department. However no such opportunity shall be given after the completion of the End of Course Examination of that particular course unit.
- A student shall take the end of course examination of a course unit at the first available opportunity. If a student fails to sit an end of course examination without giving valid reasons acceptable to the Faculty Board of Science and the Senate, he/she shall be considered to have forfeited a chance to sit that examination and will be given the **grade E** for the end of course examination of that course unit.
- A student whose attendance is satisfactory, but obtains a grade B⁻ or below for a course unit may re-sit the end of course examination of that course unit in order to improve his/her grade.
  a). If a student obtains a lower grade while repeating, he/she is entitled to keep the previous grade.
  b). The highest grade that could be awarded for a repeated course unit is B.
  c). A student will not be allowed to repeat a course unit more than two times.
  d). The maximum period allowed for completing the three year degrees shall be 10 semesters (five academic years) and the four year degrees shall be 12 semesters (six academic years). Students are allowed to repeat examinations only within this period. This would exclude periods of absence caused by medical or other valid reasons acceptable to the Faculty Board and the Senate.

e). At the end of each level of study, accumulated GPA of a student should be greater than 1.75 to progress to the next level.

- For students repeating the End of Course Examination of a Course Unit, the marks obtained for In-Course Assessment component at their first attempt shall be used to determine the Final Grade for that Course Unit.

Annexure A: Course Codes, Titles and Credit Values of the Course Units

A1: Auxiliary / Enhancement Units

Level	Course Code	Course Title	Credit Value	No. of Hrs	
				Lect. & Tute	Prac. / Fieldwork
1G	ENG101GA0	English Language I	00	45	
	SLS102GA0	Sri Lankan Studies and Social Harmony	00	15	-
	MBS103GA2	Mathematics for Biological Science students	02	30	-
	BPS104GA2	Biology for Physical Science students	02	30	-
	COM105GA2	Computer Literacy	02	20	20
	SAS106GA2	Science and Society	02	30	-
2G	ENG201GA0	English Language II	00	135	
	CAG202GA0	Career Guidance	00	05	-
3G	MES301GA0	Management & Entrepreneurial Skills	00	30	-
	CSK302GA0	Communication skills	00	15	-
	CAG303GA0	Career Guidance	00	05	-

Note: The performance of a student in English Language shall be calculated by giving a weight of one for ENG101GA0 and three for ENG201GA0. The marks thus obtained will be graded according to a grading system decided by the Faculty Level Examination Board.

A2: Supplementary Subject Areas

Subject Area	Level	Course Code	Course Title	Credit Value	No. of Hrs	
					Lect. & Tute	Prac. / Fieldwork
Basic Computing (for students not offering Computer Science as a subject)	2G	BAC241GE2	Computer Applications I	02	30	
	3G	BAC341GE2	Computer Applications II	02	30	
Biotechnology	2G	BTE241GE2	Biotechnology I	02	30	-
	3G	BTE341GE2	Biotechnology II	02	30	-
Bioinformatics	3G	BIF341GE2	Bioinformatics	02	22	24
Electronics (for students not offering Physics as a subject)	2G	ELE241GE2	Basic Electronics	02	20	30
		ELE242GE2	Analogue Electronics I	02	20	30
	3G	ELE341GE2	Analogue Electronics II	02	20	30
		ELE342GE2	Digital Electronics	02	20	30
Environmental Science	2G	ENS241GE2	Environmental Biology	02	30	-
	2G	ENS242GE2	Environmental Chemistry	02	30	-
	3G	ENS341GE2	Environmental Physics	02	30	-
	3G	ENS342GE2	Environmental Pollution & Management	02	30	-
Food Science & Nutrition	2G	FSN241GE2	Food Science & Nutrition I	02	30	-
	3G	FSN341GE2	Food Science & Nutrition II	02	30	-

A3: Principal Subjects for Level 1G

Subject	Course Code	Course Title	Credit Value	No. of Hrs	
				Lect. & Tute	Prac. / Fieldwork
Botany	BOA101GC2	Basic Biology	02	22	24
	BOA102GC2	Plant Diversity I	02	22	24
	BOA103GC2	Plant Diversity II	02	22	24
	BOA104GC2	General Microbiology	02	22	24
Zoology	ZOL101GC2	Origin of Life and Evolutionary Biology	02	22L+T	24P
	ZOL102GC2	Ecosystems, distribution and characteristics	02	22L+T	24P
	ZOL103GC2	Animal cell biology and Bio-molecules	02	22L+T	24P
	ZOL104GC2	Animal diversity	02	22L+T	24P+F
Fisheries Science	FIS101GC2	Principles of Fisheries	2	30	-
	FIS102GC2	Fish Evolution and Diversity	2	22	24
	FIS103GC2	Marine & Coastal Environment and Oceanography	2	22	24
	FIS104GC2	Introductory Aquaculture	2	22	24
Chemistry	CHE101GC2	General Chemistry and Chemistry of main group elements	02	30	-
	CHE102GC2	Introductory Physical Chemistry	02	30	-
	CHE103GC2	Stereochemistry and Reaction Mechanisms	02	30	-
	CHE105GC2	Practical Chemistry I	02	-	90
Computer Science	CSC101GC2	Foundations of Computer Science	02	30	-
	CSC102GC2	Object Oriented Programming	02	30	-
	CSC104GC2	Practical Computing I	02	-	90
	CSC105GC2	Computer Networks and Internet Computing	02	30	-

Physics	PHY101GC2	Practical Physics I	02	-	90
	PHY102GC3	Mechanics, Relativity and Structure of Matter	03	45	-
	PHY103GC3	Fields, Vibrations and Waves	03	45	-
Pure Mathematics	PMM101GC2	Set Theory	02	30	-
	PMM102GC2	Limit Process	02	30	-
	PMM103GC2	Algebra	02	30	-
	PMM104GC2	Calculus	02	30	-
Applied Mathematics	AMM101GC2	Vector Analysis	02	30	-
	AMM102GC2	Dynamics	02	30	-
	AMM103GC2	Ordinary Differential Equations	02	27	06
	AMM104GC2	Matrices & Statics	02	30	-
Statistics	STA104GC3	Probability Theory	03	45	-
	STA105GC3	Basic Statistical Inference	03	40	10
	STA106GC2	Applied Statistics	02	25	10

A4: Principal Subjects for Level 2G

Subject	Course Code	Course Title	Credit Value	No. of Hrs	
				Lect. & Tute	Prac./ Fieldwork
Botany	BOA201GC2	Plant Morphology and Anatomy	02	22	24
	BOA202GC2	Plant Systematics	02	22	24
	BOA203GC2	Biochemistry	02	22	24
	BOA204GC2	Genetics	02	22	24
	BOA221GE2	Molecular Biology and Biotechnology	02	30	-
	BOA222GE2	Economically Important Plants	02	30	-
Zoology	ZOL201GC2	Invertebrate Phylogeny and Biology	02	22 L +T	24 P
	ZOL202GC2	Vertebrate Phylogeny and Biology	02	22 L +T	24 P
	ZOL203GC2	Comparative Anatomy and Physiology	02	22 L +T	24 P
	ZOL204GC2	Animal Ecology	02	22 L +T	24 P+F
	ZOL221GE2*	Animal Genetics	02	30 L+T	
	ZOL222GE2*	Animal Histology	02	22 L+T	24P
	ZOL223GE2	Animal Behaviour	02	30 L+T+F	-
	ZOL224GE2	Zoo-Geography and Sri Lankan Fauna	02	30 L+T+F	-
Fisheries Science	FIS201GC2	Laboratory techniques	2	22	24
	FIS202GC2	Aquatic Fauna and Flora	2	22	24
	FIS203GC2	Principles of Aquatic Ecology and Behaviour	2	22	24
	FIS204GC2	Fish Biology and Embryology	2	22	24
	FIS221GE2	Ornamental Fish / Plant Culture and Fish Feeds	2	30	-
	FIS222GE2	Fish Parasitology and Diseases	2	30	-

*Compulsory for Zoology Special Students

Chemistry	CHE201GC2	Application of Spectroscopic Methods and Coordination Chemistry	02	30	-
	CHE202GC3	Atomic and Molecular Structure and Basic Principles of Molecular Spectroscopy	03	45	-
	CHE203GC3	Practical Chemistry II (Inorganic & Organic Chemistry)	03	-	120
	CHE221GE2	Chemistry of electron deficient compounds, transition and inner-transition elements	02	30	-
	CHE222GE2	Chemistry of polynuclear aromatic hydrocarbons, carbonyl and alicyclic compounds.	02	30	-
Computer Science	CSC201GC2	Data Structures and Algorithms	02	30	-
	CSC202GC2	Database Management Systems	02	30	-
	CSC203GC2	Software Engineering	02	30	-
	CSC204GC2	Practical Computing II	02	-	90
	CSC221GE2†	Numerical Computing	02	30	-
	CSC222GE2†	Programming in Logic	02	30	-

†*This unit is a prerequisite for those aiming to do Special Degree in Computer Science.*

Physics	PHY201GC2	Practical Physics II	02	-	90
	PHY202GC3	Solid State Physics and Electronics	03	45	-
	PHY203GC3	Electromagnetism and Optics	03	45	-
	PHY221GE2	Industrial Materials	02	30	-
	PHY222GE2	Computational Physics (Theory and Practical)	02	20	30
Pure Mathematics	PMM201GC4	Linear Algebra	04	60	-
	PMM202GC4	Analysis	04	60	-
	PMM221GE2	Advanced Calculus	02	30	-
	PMM222GE2	Number Theory and Cryptography	02	30	-

Applied Mathematics	AMM201GC4	Mathematical Methods	04	60	-
	AMM202GC4	Optimization	04	60	-
	AMM221GE2	Numerical Analysis	02	30	-
	AMM222GE2	Fluid Dynamics	02	30	-
Statistics	STA203GC4	Statistical Theory	04	60	-
	STA204GC4	Design of Experiments	04	55	10
	STA223GE2	Sampling Theory	02	30	-
	STA224GE2	Non parametric Methods	02	25	10

A5: Principal Subjects for Level 3G

Subject	Course Code	Course Title	Credit Value	No. of Hrs	
				Lect. & Tute	Prac./ Fieldwork
Botany	BOA301GC2	Plant Developmental Physiology and Tissue Culture	02	22	24
	BOA302GC2	Basic Ecology	02	22	24
	BOA303GC2	Plant Pathology	02	22	24
	BOA304GC2	Plant Physiology	02	22	24
	BOA321GE2	Biometry	02	30	
	BOA322GE2	Natural Vegetation Types of Sri Lanka	02	30	
	BOA323GE2	Soil Fertility and Sustainable Soil Management	02	30	
	BOA324GE2†	Scientific Writing and Presentation Skills	02	30	
Zoology	ZOL301GC2	Developmental Biology	02	22L+T	24P+F
	ZOL302GC2	Environmental Biology and Pollution Monitoring	02	22L +T	24P+F
	ZOL303GC2	Parasitology and Vector Biology	02	22L+T	24P+F
	ZOL304GC2	Entomology and Pest biology	02	22L+T	24P+F
	ZOL321GE2*	Introductory Molecular Biology	02	30 L+T	
	ZOL322GE2	Conservation Biology	02	30L+ T+F	
	ZOL323GE2	Ichthyology	02	30 L+T	
	ZOL324GE2*	Biostatistics**	02	30 L+T	

†To be confirmed

Fisheries Science	FIS301GC2	Fish Harvest Technology I	2	22	24
	FIS302GC2	Fish Harvest Technology II	2	22	24
	FIS303GC2	Fishery Management and Extension	2	22	24
	FIS304GC2	Post Harvest Technology	2	22	24
	FIS321GE2	In Field Training	2	60	
	FIS322GE2	Fisheries Law	2	30	-
	FIS323GE2	Conservation of Living Resources and Recreation	2	30	-
	FIS324GE2	Introductory Population Dynamics	2	30	-
	FIS325GE2	Biostatistics**	2	30	-

*Compulsory for Zoology Special Students; **These units cannot be taken together

Chemistry	CHE301GC2	Analytical Chemistry	2	30	
	CHE302GC3	Electrochemistry, Chemical kinetics and Surface Chemistry	3	45	
	CHE303GC3	Practical Chemistry III (Physical, Inorganic and Organic Chemistry)	3	-	
	CHE321GE2	Industrial Chemistry and Chemistry of Biomolecules	2	30	
	CHE322GE2	Rearrangement reactions and Heterocyclic chemistry	2	30	
Computer Science	CSC303GC2	Operating Systems	2	30	-
	CSC305GC2	Rapid Application Development	2	30	-
	CSC306GC2	Practical Computing III	2	-	90
	CSC307GC2	Graphics and Visual Computing	2	30	-
	CSC322GE2	Multimedia Technologies	2	30	-
	CSC323GE2	Bioinformatics Computing	2	30	
Physics	PHY301GC2	Practical Physics III	02		90
	PHY302GC3	Modern Physics	03	45	-
	PHY303GC3	Thermal and Statistical Physics	03	45	-
	PHY321GE2	Medical Physics (Theory and Clinical site visits)	02	25	15
	PHY322GE2	Astrophysics	02	30	-

Pure Mathematics	PMM301GC4	Group Theory and Topology	4	60	-
	PMM302GC4	Complex Analysis	4	60	-
	PMM321GE2	Functional Analysis	2	30	-
	PMM322GE2	Differential Geometry	2	30	-
Applied Mathematics	AMM301GC4	Mathematical Programming	4	60	-
	AMM302GC4	Classical Mechanics	4	60	-
	AMM321GE2	Numerical Methods	2	30	-
	AMM322GE2	Mathematical Modelling	2	30	-
Statistics	STA303GC3	Regression Analysis	3	40	10
	SAT304GC2	Statistical Inference	2	30	-
	STA305GC3	Stochastic Processes	3	45	-
	STA323GE2	Quality Control	2	25	10
	STA324GE2	Statistical Computing	2	-	60

A6: Principal Subjects for Level 3M

Subject	Course code	Course Title	Credit Value	No. of Hrs	
				Lect. & Tute	Prac./ Fieldwork
Zoology	ZOL301MC3	Pest Management	03	33L+T	36 P+ F
	OL302MC3	Limnology	03	33L+T	36 P+ F
	ZOL303MC3	Endocrinology	03	33L+T	36 P+ F
	ZOL304MC3	Molecular Biology and Immunology	03	33L+T	36 P+ F
	ZOL305MC2	Wild Life Conservation and Management	02	30 L+T+F	
	ZOL306MC2	Environmental Toxicology	02	30 L+T+F	

Note: 3M and 4M syllabi for Botany and Fisheries yet to be decided.

Chemistry	CHE301MC3	Advanced analytical and spectroscopic techniques	3	45	-
	CHE302MC3	Applications of group theory and Diffraction Methods	3	45	-
	CHE303MC3	Pericyclic Reactions and Photochemistry	3	45	-
	CHE304MC3	Aromaticity and Conformational Analysis	3	45	-
	CHE305MC2	Advanced Inorganic Chemistry Laboratory	2	-	120
	CHE306MC2	Advanced Physical Chemistry Laboratory	2	-	120
Computer Science	CSC301MC3	Advanced Database Design and Systems	3	45	-
	CSC302MC3	Artificial Intelligence I	3	45	-
	CSC303MC4	Data Communication and Computer Networks	4	60	-
	CSC304MC3	Digital Image Processing	3	45	-
	CSC305MC3	Practical computing 3M	3	-	90-110
Mathematics	MMT301MC4	Numerical Linear Algebra	4	60	
	MMT302MC4	Differential Equations	4	60	
	MMT303MC4	Relativity and Electromagnetic Theory	4	60	
	MMT304MC4	Topology	4	60	
Statistics	STA301MC3	Advanced Design of Experiment	3	45	
	STA302MC3	Medical Statistics	3	45	
	STA303MC3	Categorical Data Analysis	3	45	
	STA304MC3	Computational Statistics	3	45	
	STA305MC4	Time Series Analysis	4	60	
Physics	PHY301MC4	Practical Physics IV and Library Work	4	-	135P+ 45 Library Work
	PHY302MC3	Classical Mechanics Relativity	3	45	-
	PHY303MC3	Quantum Mechanics	3	45	-
	PHY304MC3	Advanced Electronics	3	45	-
	PHY305MC3	Statistical Physics and Thermodynamics	3	45	-

A7: Principal Subjects for Level 4M

Subject	Course Code	Course Title	Credit Value	No. of Hrs	
				Lect. & Tute	Prac./ Fieldwork
Zoology	ZOL401MC3	Advanced Parasitology and Vector Control	03	33L+T	36P+F
	ZOL402MC3	Insect Structure and Functions	03	33L+T	36P+F
	ZOL403MC3	Insect Ecology	03	33L+T	36P+F
	ZOL404 MC6	Research Project	06		30 weeks
	ZOL405 MC3	Marine Biology	03	33L+T	36P+F
	ZOL406 MC2	Seminar and Essay	02		30hrs
	ZOL407MC3	Aquaculture	03	33L+T	36P+F
	ZOL408ME2	Coastal and Mangrove Conservation and Management	02	30L+T+F	
	ZOL409ME2	Herpetology	02	30L+T+P +F	
	ZOL410ME2	Ornithology and Mammalogy	02	30L+T+P +F	
	ZOL411ME2	Advanced Animal Physiology	02	22L+T	24P
	ZOL 412 ME2	Advanced Evolutionary Biology and Molecular Systematics	02	22L+T	24P
	ZOL413ME2	Research Methodology and Data Analysis	02	30L+T	
	ZOL414ME2†	Scientific Writing and Presentation	02	30L+ T	

†To be confirmed

Chemistry	CHE401MC4	Advanced Coordination Chemistry, Magneto Chemistry, Organometallic Chemistry and Reaction Mechanism	4	60	-
	CHE402MC4	Quantum Chemistry, Statistical Thermodynamics, Advanced Surface Chemistry, Macromolecules and Aggregates	4	60	-
	CHE403MC4	Retro synthesis, Advanced Heterocyclic Chemistry and Advanced Chemistry of Primary Metabolites	4	60	-
	CHE404MC4	Advanced Organic Chemistry Laboratory	4	-	240
	CHE405MC4	Research Project (Laboratory or Industry based)	4	20 weeks research	
	CHE406MC1	Library-based seminar	1	-	-

	CHE421ME3	Bioinorganic chemistry, Nuclear and Radio-chemistry, Advanced chemistry of inner-transition elements, Clusters and Clathrates	3	45	-
	CHE422ME3	Advanced topics in Thermodynamics, Kinetics and Electrochemistry	3	45	-
	CHE423ME3	Chemistry of Secondary Metabolites and Therapeutic Agents	3	45	-
Computer Science	CSC401MC4	Advanced Algorithms	4	60	-
	CSC402MC2	Artificial Intelligence II	2	30	-
	CSC403MC4	Numerical Linear Algebra and Solutions of Differential Equations	4	60	-
	CSC404MC4	Project	4	-	200
	CSC405MC3	Parallel computing	3	45	-
	CSC406MC3	System Design, Analysis and Project Management	3	45	-
	CSC407MC4	Data mining and Machine Learning	4	60	-
	CSC421ME3	Compiler Design	3	45	-
	CSC422ME3	Mobile Computing	3	45	-
Mathematics	MMT401MC4	Numerical Solutions of Differential Equations	4	60	-
	MMT402MC6	Measure Theory	6	90	-
	MMT403MC6	Functional Analysis	6	90	-
	MMT404MC4	Real and Complex Analysis	4	60	-
	MMT405MC2	Project	2	15 Weeks	
	MMT421ME4	Quantum Mechanics and Continuum Mechanics	4	60	-
	MMT422ME4	Ring Theory	4	60	-
	MMT423ME4	Group Theory	4	60	-
	MMT424ME4	Mathematical Biology	4	60	-
	MMT425ME4	Financial Mathematics	4	60	-
	MMT426ME4	Optimization	4	60	-
	MMT427ME4	Finite Element Analysis & Applications	4	45	45

Statistics	STA401MC4	Multivariate Analysis	4	60	-
	STA402MC6	Measure Theory	6	90	-
	STA404MC3	Practical	3	-	90
	STA405MC3	Project	3	15 Weeks	
	STA406MC3	Markov Processes for Stochastic Modelling	3	45	-
	STA407MC3	Non-parametric Methods	3	45	-
	STA422ME3	Non-parametric Inference	3	45	-
	STA424ME6	Advanced Probability Theory	6	90	-
	STA425ME3	Advanced Statistical Theory	3	45	-
Physics	PHY401MC6	Project and Workshop Technology	6		
	PHY402MC3	Advanced Electromagnetism	3	45	-
	PHY403MC3	Advanced Solid State Physics	3	45	-
	PHY404MC3	Nuclear Physics	3	45	-
	PHY405MC3	Laser Physics	3	45	-
	PHY406MC3	Atomic and Molecular Spectra	3	45	-
	PHY407MC3	Particle Physics	3	45	-
	PHY421ME3	Instrumentation and characterization	3	30	15
	PHY422ME3	Nanoscience and Nanotechnology	3	45	-
	PHY423ME3	Energy Physics	3	45	-

A8: Subject Specific Areas of Level 2S

Subject	Course Code	Course Title	Credit Value	No. of Hrs	
				Lect. & Tute	Prac./ Fieldwork
Computer Science	CSC201SC3	Principles of Computer Architecture	03	30	30
	CSC202SC3	Concepts of Programming Languages	03	30	30
	CSC203SC3	Cryptography and Data Security	03	30	30
	CSC204SC3	E-technologies	03	30	30

A9: Subject Specific Areas of Level 3S

Subject	Course Code	CourseTitle	Credit Value	No. of Hrs	
				Lect. & Tute	Prac./ Fieldwork
Education	EDU301SC3	Philosophical and Social Bases of Education	03	45	-
	EDU302SC3	Psychological Bases of Education	03	45	-
	EDU303SC3	Educational Assessment and Evaluation	03	45	-
	EDU304SC3	Policies and Problems of Education	03	45	-

A10: Subject Specific Areas of Level 4S

Subject	Course Code	Title	Credit Value	No. of Hrs	
				Lect. & Tute	Prac./ Fieldwork
Education	EDU401SC3	General Methods of Teaching	03	45	-
	EDU402SC3	Methodology of Teaching two Selected Science Subjects	03	45	-
	EDU403SC3	Research Methodology and Computer Literacy	03	45	-
	EDU404SC3	School Based Planning and Management	03	45	-
	EDU405SC3	Educational Guidance and Counselling	03	45	-
	EDU406SC3	Curriculum Studies	03	45	-
	EDU407SC6	Practicum	06	-	10 weeks
	EDU408SC4	Project and Dissertation	04	-	-
	EDU421SE2	Educational Planning	02	30	-
	EDU422SE2	Sociology of Education	02	30	-
	EDU423SE2	Pre-school and Primary school education	02	30	-
	EDU424SE2	Issues and Policies in Tertiary Education	02	30	-
	EDU425SE2	Computers in Education	02	30	-
	EDU426SE2	Educational Technology	02	30	-
	EDU427SE2	Educational Statistics	02	30	-

Note: Students should offer all the core course units (28 credits) and any two elective course units (total of 4 credits).

B: Applied Science Degree Programme

The Faculty of Science is in the process of introducing an extended four year General Degree programme, B.Sc. (Applied Sciences) degree with the support from the Quality and Innovation Grant (QIG) of the Higher Education for the Twenty-First Century (HETC) Project. The new degree programme is being designed to meet the demand of Industrial/Private sectors which are looking for graduates with readymade knowledge in industrial processes and management.

The degree programme will consist of four major components:

(i). Industrial training,
(ii). Laboratory/project work,
(iii). Compulsory courses and
(iv). Subject specific courses.

The following degrees shall be offered by the various Departments of the Faculty under B.Sc in Applied Sciences:

- B.Sc. Applied Science in Chemistry
- B.Sc. Applied Science in Computing
- B.Sc. Applied Science in Financial Mathematics and Industrial Statistics
- B.Sc. Applied Science in Physics
- B.Sc. Applied Science in Botany
- B.Sc. Applied Science in Zoology
- B.Sc. Applied Science in Biology

C. The Chancellor and the Principal Officers of the University of Jaffna

Head of the University

The Chancellor	Emeritus Prof. S. Pathmanathan

Officers

The Vice-Chancellor	Prof. (Ms.) V. Arasaratnam
Rector, Vavuniya Campus	Mr. K. K. Arulvel
Dean/Agriculture (Ariviyal Nagar)	Dr. (Mrs.) S. Sivachandran
Dean/Arts	Prof. V.P. Sivanathan
Dean/Engineering (Ariviyal Nagar)	Dr. A. Atputharajah
Dean/Graduate Studies	Prof. S. Sathiaseelan
Dean/Managements Studies & Commerce	Prof. T. Velnamby
Dean/Medicine	Dr. S. Balakumar
Dean/Science	Prof. S. Srisatkunarajah
Dean/Applied Science (Vavuniya Campus)	Mr. S. Kuhanesan
Dean/Business Studies (Vavuniya Campus)	Dr. A. Pushpanathan
Registrar	Mr. V. Kandeepan
Librarian	Miss. S. Arulanantham
Acting Bursar	Mr. A. Sivanadarajah

D. Principal Officers of the Faculty of Science, University of Jaffna

D1.

Dean: Prof. S. Srisatkunarajah

Heads of Departments:

Dept. of Botany:	Mrs. K. Niranjan
Dept. of Chemistry:	Dr. T. Manoranjan
Dept. of Computer Science:	Mr. K. Thabotharan
Dept. of Fisheries:	Prof. (Mrs). S. Kuganathan
Dept. of Mathematics & Statistics:	Prof. R. Vigneswaran
Dept. of Physics:	Prof. P. Ravirajan
Dept. of Zoology:	Dr. (Mrs.) R. Gnaneswaran
Head/Computer Centre:	Dr. S. Mahesan
Asst. Registrar:	Mr. A. Philips Vijajaratnam

D2. Academic Staff of the Faculty of Science

- **Department of Botany**

Mrs. K. Niranjan	Senior Lecturer Gr. I
Mrs. N. Ravimannan	Senior Lecturer Gr. I
Mrs. J. Nandakumar	Senior Lecturer Gr. I
Mr. A.C. Thavaranjit	Senior Lecturer Gr. I
Miss. N. Krishnapillai	Senior Lecturer Gr. I
Mr. R. Kapilan	Senior Lecturer Gr. II
Dr. P. Sevvel	Senior Lecturer Gr. II
Dr. (Mrs). G. Rajkumar	Senior Lecturer Gr. II
Mr. A. Vengadaramana	Lecturer
Mr. E.C. Jeyaseelan	Lecturer
Miss. T. Sivanantham	Lecturer

- **Department of Chemistry**

Dr. N. Sivapalan	Senior Lecturer Gr. I
Dr. (Mrs.) M. Senthilnanthanan	Senior Lecturer Gr. I
Dr. R. Srikaran	Senior Lecturer Gr. I
Dr. J.P. Jeyadevan	Senior Lecturer Gr. I
Dr. T. Manoranjan	Senior Lecturer Gr. II
Dr. P. Abiman	Senior Lecturer Gr. II
Dr. P. Iyngaran	Senior Lecturer Gr. II
Dr. K. Velauthamoorthy	Senior Lecturer Gr. II
Dr. (Mrs.) J. Prabagar	Senior Lecturer Gr. II
Dr. G.Sashikesh	Senior Lecturer Gr. II
Mrs. R. Senthooran	Senior Lecturer Gr. II
Ms. S. Nagenthiran	Lecturer
Ms. S. Rasalingam	Lecturer

- **Department of Computer Science**

Dr. S. Mahesan	Senior Lecturer Gr. I
Dr. E.Y.A. Charles	Senior Lecturer Gr. II
Mr. K. Thabotharan	Senior Lecturer Gr. II
Dr. A. Ramanan	Senior Lecturer Gr. II
Mrs. B. Mayurathan	Lecturer
Mr. K. Sarveswaran	Lecturer
Mr. S. Shriparen	Lecturer

- **Department of Mathematics and Statistics**

Prof. S. Srisatkunarajah	Professor
Prof. R. Vigneswaran	Associate Professor
Mr. S. Selvarajan	Senior Lecturer Gr. I
Mrs. N. Satkunanathan	Senior Lecturer Gr. II
Dr. S. Arivalzahan	Senior Lecturer Gr. II
Dr. M.R.R. Hoole	Senior Lecturer Gr. II
Mr. A. Laheetharan	Senior Lecturer Gr. II
Mr. N. Varathan	Senior Lecturer Gr. II
Dr. K. Kannan	Senior Lecturer Gr. II
Dr. N. Ramaruban	Lecturer
Mr. B. Kethesan	Lecturer
Mr. R. Prasanthan	Lecturer
Mr. M. Khokulan	Lecturer
Mr. S. Arumairajan	Lecturer
Mr. T. Mathanaranjan	Lecturer
Mr. B. Muraleetharan	Lecturer
Mr. M. Ananthakrishna	Lecturer
Mr. S. Gobinath	Lecturer

- **Department of Physics**

Prof. K. Kandasamy	Professor
Prof. P. Ravirajan	Professor
Mr. V. Senthil	Senior Lecturer Gr. II
Mr. T. Pathmathas	Lecturer
Ms. N. Balakrishnan	Lecturer
Ms. S. Ubenthiran	Lecturer
Mr. A. Thevakaran	Lecturer
Mr. M. Thanihaichelvan	Lecturer
Mr. K. Prashanthan	Lecturer
Mr. S. Senthuran	Lecturer

- **Department of Zoology**

Prof. S.N. Surendran	Professor
Prof. (Mrs.) S. Kuganathan	Associate Professor
Dr. (Mrs.) R. Gnaneswaran	Senior Lecturer Gr. I
Mrs. N. Rajan	Senior Lecturer Gr. I
Mr. C.K.W. Venkatesh Luckshman	Senior Lecturer Gr. II
Dr. T. Eswaramohan	Senior Lecturer Gr. II
Dr. (Mrs.) A. Sivaruban	Senior Lecturer Gr. II
Mr. K. Gajapathy	Lecturer
Mrs. P. Sivakumar	Lecturer
Mrs. T.W. Shanthakumar	Lecturer
Ms. G. Kandasamy	Lecturer

E. Useful Telephone Numbers

Administrative Office/Branch	Telephone Number
University - General Information	021 – 222 2483
University Security	021 – 222 3607
Vice Chancellor	021 – 222 2294
Registrar	021 – 222 2006
Bursar	021 – 222 2644
Dean, Faculty of Science	021 – 222 2685
Computer Unit	021 – 222 2673
Information Technology Resource Centre	021 – 222 2259
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University Medical Officer (UMO)	021 – 222 6519
Assistant Registrar / Welfare Services	021 – 222 6716
Senior Student Counsellor	021 – 222 9668
Sr. Assistant Registrar /Examination	021 – 222 3609
Assistant Registrar /Administration	021 – 222 6517
Assistant Registrar /Student Admission	021 – 222 6714
Physical Education Unit	021 – 222 3482
University Students Union	021 – 222 3744
Peoples Bank (University Branch)	021 – 222 2072
Anandakumarasamy Hostel	021 – 222 2306
Balasingam Hostel	021 – 222 2304
Ramanthan Academy of Fine Arts Hostel	021 – 321 7769

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Head/Dept. of Chemistry	021 – 221 8193
Head/Dept. of Computer Science	021 – 221 8194
Head/Dept. of Fisheries	021 – 222 2307
Head/Dept. of Physics	021 – 221 8197
Head/Dept. of Mathematics & Statistics	021 – 221 8196
Head/Dept. of Zoology	021 – 221 8199
Assistant Registrar	021 – 222 2685

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Student Counsellors (Science):

- Mrs. K. Niranjan
  Senior Lecturer
  Department of Botany
- Mr. K. Thabotharan
  Senior Lecturer
  Department of Computer Science
- Dr. T. Manoranjan,
  Senior Lecturer
  Department of Chemistry

The Office Bearers of the Science Students Union

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	Mr. T. Kajamurugan
	Mr. M. Manivannan

Website of the Faculty of Science: **www.sci.jfn.ac.lk**

F: University of Jaffna – Map of Main Premises