1. INTRODUCTION

1.1 South Eastern University of Sri Lanka

The South Eastern University of Sri Lanka (SEUSL) was first established as the South Eastern University College of Sri Lanka and commenced to function from 27th July 1995. It was then upgraded to the status of a fully-fledged university, SEUSL, from 15th May 1996. There are six faculties in SEUSL. The Faculties of Arts and Culture, Management and Commerce, Islamic Studies and Arabic, Technology, and Engineering are located in the main campus at Oluvil while the Faculty of Applied Sciences (FAS), established in 1997, is located at Sammanthurai.

Vision

"*An internationally renowned center in South Asia for higher learning and innovations in sciences, technologies and humanities".*

Mission

"To provide expanded opportunities for higher learning of international standards through generation and dissemination of knowledge and innovations focused on regional and national needs, social harmony and stakeholders' empowerment and satisfaction".

1.2 Faculty of Applied Sciences

The FAS consists of three departments, namely Biological Sciences, Physical Sciences and Mathematical Sciences and offers undergraduate programs in Biological Sciences and Physical Sciences. Three-year General degrees and four-year Special degrees in Applied Biology, Applied Statistics, Chemistry, Computer Science, Mathematics and Physics are offered. In addition, a four-year degree in Applied Sciences is also obtainable.

Our main objectives are to :

- *Be Innovative in Undergraduate Teaching and Learning,*
- *Strengthen Research and Graduate Programmes,*
- *Enhance the employability of graduates through developing English language, IT skills, soft skills and promoting ethnic cohesion,*
- *Be a centre of excellence in the region for community and resource development,*
- *Capitalize on Globalization of Education.*

These objectives are integrated with the outcomes of the SEUSL Corporate Plan. The faculty plans to introduce a number of new initiatives to achieve the above objectives. The proposed new initiatives include: comprehensive curriculum revisions in all subjects; creating opportunities for enhancement of professional skills of students; efforts to increase research activities; increasing graduate enrolment and strengthening relationships with industries, local and foreign universities.

Vision

"To be a world-renowned knowledge hub in sciences".

Mission

"To produce competitive, creative and skilled human resources through quality undergraduate and graduate science programmes, generate knowledge through research and impact development through outreach programmes in keeping with local and global timely needs".

1.3 Graduate Profile

CAREER TRAITS

Expert :

- *Knowledgeable person in pure & applied sciences and an expert in one subject or a thorough knowledge in selected subjects.*
- *Demonstrates knowledge and skills of the scientific method, science concepts, theories, generalizations, modern methodologies in research, handling modern sophisticated equipment and applying them to scientific investigations and contemporary scientific topics.*

Scholar :

- *Understands the importance of acquiring new knowledge coupled with a commitment to lifelong learning and research.*
- *Demonstrate high standards of performance.*

Multi - Disciplinary :

- *Open minded, intellectual approach to other disciplines, curiosity to understand links between disciplines and a curiosity-driven pursuit for knowledge.*

Intellectual :

- *Critical thinker - able to make informed decisions based on analysis, logic and consultation.*
- *Locate, manage and use informational and technological resources for data gathering, data processing/analysis and communication.*
- *An entrepreneur.*

Innovative :

- *Able to innovate and adapt to achieve the best results.*

PERSONALITY TRAITS

Team Player :

- *Able to work in teams both as a leader and as a member.*

Collaborative Worker :

- *Demonstrates communication skills and commitment in pursuing group goals and purposes.*

Motivated :

- *Self-motivated with a proactive approach to work and ability to work independently.*

Responsible :

- *Willing to take responsibility for his/ her own actions.*

Accountable :

- *Hardworking nature combined with good work ethics.*

Confident :

- *Self-confident with the ability to take correct decisions.*

Quality Contributor :

- *Contributes to the development of quality ideas, products and performance through learning, talent, creativity, flexibility, critical thinking and problem-solving skills.*

Effective Communicator :

- *Gathers, analyzes and synthesizes information and communicates effectively and appropriately to a given audience.*

SOCIAL TRAITS

Sense of community :

- *Awareness of responsibilities as a member of the community and able to make a positive contribution to the community.*

Cultural Awareness :

- *Awareness of own culture while having an appreciation and tolerance of other cultures.*

Ethical and respectful Citizen :

- *Acts in caring, principled and responsible ways, respecting the diversity, gender, age, race, ability and cultural heritage of all people and the rights of others to hold different ideas and beliefs.*
- *Understands the social, economical and cultural context of the discipline and be a responsible citizen to the society and nation.*

Democratic Participant :

- *As a local and a global citizen, makes knowledgeable decisions and take actions considering the needs of others, historical values and in accordance with the principles, laws, rights and responsibilities of democracy.*

Self-directed Individual :

- *Displays strong work ethics with right attitudes, initiative, responsibility and a commitment to lifelong learning in pursuit of personal and career goals.*
- *Demonstrates self-discipline, commandability commitment and self-evaluation in completing responsibilities.*

1.4 Faculty Administrative Staff

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2. UNDERGRADUATE STUDY PROGRAMMES

2.1 INTRODUCTION

The faculty offers general degree programmes of three academic year duration and special degree and extended degree programmes of four academic year duration. The academic programme is based on semester system. Generally, a semester consists of 15 weeks of academic activities.

2.2 MEDIUM OF INSTRUCTION

The medium of instruction at FAS shall be **English.**

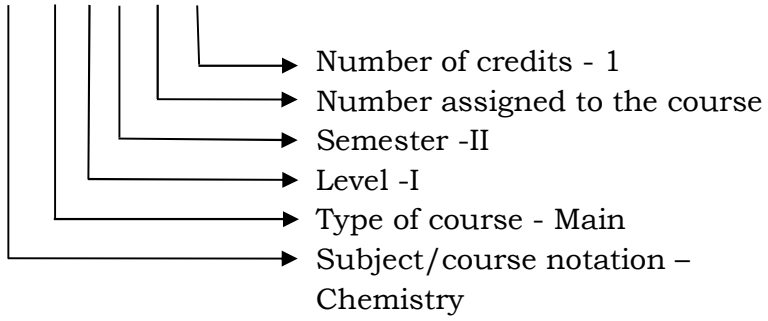
2.3 COURSE UNIT SYSTEM

The degree programmes are conducted on a **Course Unit System** where each course is assigned credit values, a time based quantitative measure. A **Credit** is equivalent to **15 hours of lecture component, 30 - 45 hours of practical component,** or **both lecture and practical components with appropriate proportion**. The credit weight of a course unit may vary.

2.4 COURSE NOTATION

The course units are denoted by an alphanumeric code. The code consists of 05 numerals prefixed by 03 letters. The first 02 letters refer the subject area of the course unit and the 3rd letter indicates type of course unit whether it is a main course for the general degree **(M),** a main course for the special degree **(S),** an elective course **(E),** a compulsory course **(C)** or an auxiliary course **(A).** The first numeral denotes the level, the second numeral denotes the semester, the third and fourth numerals indicate the number assigned to the course unit by the department of study and the fifth numeral indicates the credit value of the course unit referred.

Example: CH M 1 2 03 1 – Introductory Physical Chemistry



The notation used for subjects are given below.

AS - Applied Statistics
BL - Biology
CH - Chemistry
CS - Computer Science
ES - Earth Science
MT - Mathematics I / Mathematics II
PH - Physics

Note: For special degree courses, the first two digits of the course code may change regardless of the definition mentioned above.

2.5 DEGREE PROGRAMMES

The faculty offers the following undergraduate degree programmes:

a. Bachelor of Science (General) Degree (3 Years)
b. Bachelor of Science Honors Degree (4 Years)
c. Bachelor of Science in Applied Sciences Honors Degree (4 Years).

2.6 DETAILS OF COURSES OFFERED AND POSSIBLE COURSE COMBINATIONS STUDENTS COULD FOLLOW

The faculty offers the core science subjects i.e. Biology, Physics, Chemistry, and Mathematics I & II and the applied science subjects of Computer Science, Applied Statistics and Earth Science at all three levels. In addition, Compulsory, Auxiliary and Elective Courses are also offered. The subjects and courses of different categories for the above-mentioned degree programmes are given in tables and the conditions for selection of courses underneath for each level are given below.

2.6.1. Subjects / Courses of Level – I

Table 2.1: Subjects and courses offered in Level-I

A	B	C	D	E
Subjects	**Subjects**	**Compulsory Courses**	**Elective Courses**	**Auxiliary Courses**
BL (8C) MT I (8C)	CH (6C) PH (6C) CS (6C) AS (6C) ES (6C) MT II (6C)	MTC 11011 (1C) MTC 12021 (1C) BLC 11011 (1C) ENC 12021 (1C)	ASE 11012 (2C) CSE 11021 (1C) CSE 11031 (1C) CSE 11042 (2C) SME 12051 (1C)	ELA 11011 (1C) ELA 12021 (1C)

Note: Figures within brackets indicate the credit values of the subject or course

A student in **Level-I** should select courses to the value of **29 to 31 credits** (excluding auxiliary courses) fulfilling following conditions:

- A student in Biological Science stream must follow BL from Column A and MTC 11011 and MTC 11021 from column C.
- A student in Physical Science stream must follow MT-I from Column A and BLC 11011 and ENC 12021 from column C. (**Note:** Those who wish to follow a special degree course in Mathematics should also select MT II from column B)
- Both Biological Science and Physical Science students can select any three subjects from column B and courses to the value of 1 to 3 credits from column D.
- ASE 11012 course is offered **only** for students who do not follow Applied Statistics (AS) as a main subject.
- CSE 11031 course is offered **only** for students who do not follow Computer Science (CS) as a main subject.
- All students should follow both courses in column E (2 credits).

2.6.2. Subjects / Courses of Level – II

Table 2.2: Subjects and courses offered in Level-II

X	Y	M	N
Subjects	**Subjects**	**Elective Courses**	**Auxiliary Courses**
BS (9C) MT I (9C) CH (9C) PH (9C)	CS (9C) AS (9C) ES (9C) MT II (9C)	ILE 21012 (2C) CSE 21021 (1C) CSE 21031 (1C) BCE 22012 (2C) TOE 22021 (1C) WEE 22031 (1C)	ELA 21011 (1C) ELA 22021 (1C) SHA 22031 (1C)

Note: Figures within brackets indicate the credit values of the subject or course

A student in **Level-II** should select courses to the value of **30** to **31 credits** (excluding auxiliary courses) fulfilling following conditions:

- A student should follow **3 subjects** (out of the four subjects followed in Level-I) one of which should be from column X and the other two subjects from either columns X or Y.
- He/she should follow courses to the value of 3 to 4 credits from column M.
- CSE 21031 course is offered **only** for students who do not follow Computer Science (CS) as a main subject

- He/she should follow all courses in column N (3 credits).
- Those who select MT II should also follow MT I.

2.6.3. Subjects / Courses of Level – III

Table 2.3: Subjects and courses offered in Level-III (General Degree)

X	Y	Z	M	N
Subjects	**Subjects**	**Applied Courses**	**Elective Courses**	**Auxiliary Course**
BS (9C) MT I (9C) CH (9C) PH (9C)	CS (9C) AS (9C) ES (9C) MT II (9C)	Different Applied Courses (9C)	ECE 31012 (2C) LTE 31021 (1C) MGE 31032 (2C) RME 31042 (2C) PAE 32012 (2C) BEE 32021 (1C) PCE 32032 (2C) HRE 32042 (2C)	CDA 31011 (1C)

Note: Figures within brackets indicate the credit values of the subject or course

A student in **Level-III** (General) degree should select courses to the value of **31** to **32** credits (excluding auxiliary courses) fulfilling following conditions:

- A student may continue with the same subjects that he/she followed in level II

  OR

  A student may drop one subject that he/she followed in Level-II from column Y or X (if he/she offered two or more from column X) in Level II and can offer courses from column Z. (**Note**: Courses from column Z are prerequisite for the applied science honors degree programme regardless as explained above).

- He/she also has to follow courses to the value of 4 to 5 credits from column M.
- He/she should follow the course, CDA (Career Development) in column N.

- Those who select MT II should also follow MT I.

Table 2.4: Subjects and courses offered in Level-III (Honors degree)

P	Q	M	N
General Courses in Subject of Specialization	**Special Courses**	**Elective Course**	**Auxiliary Course**
Level III general degree courses from the subject of specialization (**9 credits for subjects other than Mathematics / 18 credits for Mathematics**)	Special courses from the subject of specialization **(18 credits for subjects other than Mathematics / 9 credits for Mathematics)**	ECE 31012 (2C) LTE 31021 (1C) MGE 31032 (2C) RME 31042 (2C) PAE 32012 (2C) BEE 32021 (1C) PCE 32032 (2C) HRE 32042 (2C) Any other Courses available	CDA 31011

A student in **Level-III** Honors degree should select courses to the value of **31** to **32** credits (excluding auxiliary courses) fulfilling following conditions:

- A student has to follow all general degree courses of the subject of specialization in level III (Column P)
- He/she should follow all the special courses of the subject of specialization offered in Level III (Column Q).
- He/she also has to follow courses to the value of 4 to 5 credits from column M.
- He/she should follow the course, CDA (Career Development) in column N.
- A student specializing in mathematics should have followed MT I and MT II in Levels I & II.

2.6.4. Subjects / Courses of Level – IV

Table 2.5: Subjects and courses offered in Level-IV (Honors degree)

Courses	Credit Total
Special courses from the subject of specialization.	**30 C**

Table 2.6: Subjects and courses offered in Level-IV (Applied Science Honors Degree)

Subject 1	Credit Total
Applied Courses and Industrial Training **Student must have obtained courses from column Z in the III in order to offer the degree programme**	**30 C**

2.7 COURSE REQUIREMENTS FOR DEGREE PROGRAMMES

2.7.1 BACHELOR OF SCIENCE (GENERAL DEGREE)

In order to earn a Bachelor of Science (General) degree, a student must complete a **minimum of 90 credits excluding auxiliary courses** in three academic levels as summarized in Table 2.7.

Table 2.7: Summary of credit requirements for general degree programme

Level	Number of credits
Level I	29 – 31
Level II	30 – 31
Level III	31 – 32
Total	**90 – 94**

Note: Elective courses can be used only to satisfy the minimum credit value requirement of 90 credits.

2.7.2 BACHELOR OF SCIENCE HONORS DEGREE

Students are admitted to the Bachelor of Science Honors Degree Programmes at the beginning of the Level III. Students may specialize in a subject with strong commitment to a particular discipline and it allows a student to pursue an in-depth study of the subject area.

In order to earn a Bachelor of Science Honors Degree, a student must complete a **minimum of 120 credits excluding auxiliary courses** in four academic levels as summarized in Table 2.8.

Table 2.8: Summary of credit requirements for Honors Degree programmes

Level	Number of credits
Level I	29 – 31
Level II	30 – 31
Level III	31 – 32
Level IV	30
Total	**120 – 124**

Note: Elective courses can be used only to satisfy the minimum credit value requirement of 120 credits.

Some of the courses offered by the other departments may be considered as comparable to respective main course units and thus would be considered to make up the minimum number of credit requirement (72 credits) of subject of specialization. Students should consult the respective department of subject of specialization for that particular degree programme before selecting such electives courses.

2.7.2.1 ELIGIBILITY REQUIREMENTS TO FOLLOW THE HONORS DEGREE PROGRAMME

Students who have completed all courses in Level I and Level II may apply for selection to one or more special degree programmes, provided that they have met the selection criteria.

The minimum requirements to follow the honors degree programme are:

a. obtained a GPA of at least **2.50** from all credits**.**
b. obtained a GPA of at least **2.70** for all course units of the subject of specialization.

The number of students admitted to a particular honors degree programme will be limited and decided by the department of study depending on the resources available. In case there are more number of applicants, only the most eligible candidates will be selected based on the order of rank of their GPA and on the interview.

2.7.2.2 REVERT OR WITHDRAWAL FROM THE HONORS DEGREE

If a student wants to revert to the general degree programme, he/she should do so before the commencement of Level IV. On the other hand, if the department of study finds that a student is unable to reach the expected standards, he/she will be requested to revert to a general degree programme.

Such a student would be eligible for the General degree if he/she has obtained the minimum requirements to be eligible for the General Degree as stipulated in the respective 'undergraduate student guide'. In such cases the special course units followed will be considered as those from a principal subject.

2.7.3 BACHELOR OF APPLIED SCIENCES HONORS DEGREE

Admission of students for this degree programme shall be made at the end of level III according to the eligibility criteria. In order to earn a Bachelor of Applied Sciences Honors Degree, a student must complete at least 120 credits in all four academic levels as summarized in Table 2.9:

Table 2.9: Summary of credit requirements for Applied Sciences honors degree programme

Level	**Number of credits**
Level I	29 – 31
Level II	30 – 31
Level III	31 – 32
Level IV	30
Total	**120 – 124**

Note: Elective courses can be used only to satisfy the minimum credit value requirement of 120 credits.

2.7.3.1 ELIGIBILITY REQUIREMENTS TO FOLLOW THE APPLIED SCIENCES HONORS DEGREE PROGRAMME

The minimum requirements to follow the Applied Sciences honors degree programme are:

a. Should have completed all the requirements to award the general degree in three academic levels as stated in Section 2.7.1,
b. Should have obtained GPA of not less than 2.7.

Students selected for the Applied Science Honors Degree programme must be prepared to undertake an industrial training in any part of the island with the recommendation of the Faculty Board.

2.7.3.2 REMOVAL OR WITHDRAWAL FROM APPLIED SCIENCE HONORS DEGREE

If a student wants to withdraw from the Applied Sciences Honors Degree programme he/she may inform the Coordinator before the beginning of the second semester of level IV.

2.8 MAXIMUM PERIOD TO COMPLETE A DEGREE PROGRAMME

Student would be allowed a maximum period of **five** academic years to complete a three-year general degree and **six** years for a honors or four year degree from the date of 1st registration, excluding periods of absence caused by medical or other valid reasons acceptable to the Faculty Board.

2.9 SICKNESS DURING ACADEMIC SESSIONS

If a student falls sick during the academic session, he/she or his/her guardian should inform this to the faculty registrar within a period of 48 hours in writing. This information should be confirmed within a period of two weeks with a valid medical supporting document.

However, in a semester, if a student is unable to attend continuously for 8 academic weeks, the student is deemed to be withdrawn from the particular academic year and need to commence his/her studies from the next academic year in which semester he/she stopped in the previous year.

2.10 MAIN COURSES OF GENERAL DEGREE

Biology				
Course Code	**Course Title**	**Credit Value**	**No. of Hours**	
			Lect. & Tute.	**Pract. / Field Work**
BLM 11012	Principles of Biology	2	22	24
BLM 11022	Biological Chemistry	2	23	21
BLM 12032	Fundamentals of Ecology	2	23	21
BLM 12042	Fundamentals of Microbiology	2	22	24
BLM 21012	Form and Functions of organisms	2	22	24
BLM 21022	Introductory Environmental Biology	2	23	21
BLM 22033	Molecular Genetics and Biotechnology	3	33	30
BLM 22042	Ecosystems of Sri Lanka, Vegetational changes and measurement	2	22	15
BLM 31013	Horticulture	3	38	21
BLM 31022	Applied Entomology	2	22	24
BLM 32032	Aquaculture	2	22	24
BLM 32042	Applied Parasitology	2	23	21
	Total Credits	**26**		

Mathematics - I				
Course Code	**Course Title**	**Credit Value**	**No. of Hours**	
			Lect. & Tute.	**Pract. / Field Work**
MTM 11012	Set Theory	2	30	-
MTM 11022	Vector Algebra and Geometry	2	30	-
MTM 12031	Number Theory	1	15	-
MTM 12041	Group Theory I	1	15	-
MTM 12052	Real Analysis	2	30	-
MTM 21012	Mathematical Modeling	2	30	-
MTM 21022	Vector Space and Matrices	2	30	-
MTM 22031	Elementary Differential Equations	1	15	-
MTM 22041	Group Theory-II	1	15	-
MTM 22051	Metric Spaces	1	15	-
MTM 22062	Integral Transforms	2	30	-
MTM 31012	Partial Differential Equations	2	30	-
MTM 31022	Linear Algebra	2	30	-
MTM 31031	Riemann Integrals and Infinite Series	1	15	-
MTM 32041	Function of Several Variables	1	15	-
MTM 32052	Complex Analysis	2	30	-
MTM 32061	Ring Theory	1	15	-
	Total Credits	**26**		

Applied Statistics				
Course Code	Course Title	Credit Value	No. of Hours	
			Lect. & Tute.	Pract. / Field Work
ASM 11012	Introduction to Statistics and Probability	2	23	21
ASM 11021	Index Number	1	15	-
ASM 12032	Probabilty Distribution	2	23	21
ASM 12041	Basic Data Analysis for Research	1	15	-
ASM 21012	Theory of Statistics	2	30	-
ASM 21021	Introduction to Categorical Data Analysis	1	15	-
ASM 21031	SPSS Laboratory	1	-	45
ASM 22042	Applied Regression Analysis	2	30	-
ASM 22052	Statistical Quality Control	2	30	-
ASM 22061	MINITAB Laboratory	1	-	45
ASM 31012	Sampling Techniques	2	30	-
ASM 31022	Experimental Designs	2	30	-
ASM 31031	SAS Laboratory	1	-	45
ASM 32041	Non-Parametric Methods in Data Analysis	1	15	-
ASM 32052	Time Series Analysis	2	30	-
ASM 32061	EViews Laboratory	1	-	45
	Total Credits	**24**		

Chemistry				
Course Code	**Course Title**	**Credit Value**	**No. of Hours**	
			Lect. & Tute.	**Pract. / Field Work**
CHM 11012	General and Inorganic Chemistry	2	30	
CHM 11021	Practical Chemistry – I	1		45
CHM 12032	Essentials of Organic Chemistry	2	23	21
CHM 12041	Chemical Kinetics and Thermodynamics	1	15	-
CHM 21011	Electrochemistry	1	15	-
CHM 21021	Organic Spectroscopy	1	15	-
CHM 21032	Analytical Chemistry	2	15	45
CHM 22041	Introduction to Quantum Chemistry and Surface Chemistry	1	15	-
CHM 22051	Co-ordination Chemistry	1	15	-
CHM 22062	Organic Synthesis and Reaction Mechanisms	2	23	21
CHM 22071	Mineralogy and Metallurgy	1	15	-
CHM 31012	Introduction to Solid State Chemistry and Organometallic Chemistry	2	30	-
CHM 31021	Bioorganic Molecules	1	15	-
CHM 31031	Industrial Chemistry	1	15	-
CHM 31041	Practical Chemistry II	1	-	45
CHM 32051	Analytical Techniques in Chemistry	1	15	-
CHM 32061	Chemistry of Natural Products	1	15	-
CHM 32072	Environmental Chemistry	2	15	45
	Total Credits	**24**		

Computer Science				
Course Code	**Course Title**	**Credit Value**	**No. of Hours**	
			Lect. & Tute.	**Pract. / Field Work**
CSM 11011	System Fundamentals and Digital Organization	1	15	-
CSM 11022	Fundamentals of Programming and Programming Languages	2	23	21
CSM 12032	Object Oriented Programming, Analysis and Design	2	30	-
CSM 12041	Object Oriented Programming Laboratory	1	-	45
CSM 21012	Algorithms and Complexity	2	30	-
CSM 21021	Operating Systems	1	15	-
CSM 21031	Advanced Algorithms Laboratory	1	-	45
CSM 22042	Internet Programming and Web Services	2	30	-
CSM 22052	Networking and Communication	2	30	-
CSM 22061	Internet Programming Laboratory	1	-	45
CSM 31012	System Analysis, Design and Engineering	2	30	-
CSM 31022	Database Management System	2	30	-
CSM 31031	DBMS Laboratory	1	-	45
CSM 32042	Software Project Management	2	30	-
CSM 32051	Introduction to Image Processing	1	15	-
CSM 32061	Image Processing Laboratory	1	-	45
	Total Credits	**24**		

Earth Science				
Course Code	**Course Title**	**Credit Value**	**No. of Hours**	
			Lect. & Tute	**Pract. / Field Work**
ESM 11012	Introduction to Earth Science	2	25	15
ESM 11021	Earth Surface Processes I	1	15	-
ESM 12032	Introduction to Mapping and Remote Sensing	2	15	45
ESM 12041	Earth Surface Processes II	1	15	-
ESM 21012	Tectonics and Field Geology	2	15	45
ESM 21022	Geochemistry	2	30	-
ESM 22032	Crystallography and Mineralogy	2	30	-
ESM 22042	Petrology	2	30	-
ESM 22051	Practical in Crystallography, Mineralogy and Petrology	1		45
ESM 31012	Soil Mechanics and Hydrology	2	22	24
ESM 31022	Geophysics	2	25	15
ESM 31031	Geology of Sri Lanka	1	15	-
ESM 32042	Oceanography	2	30	-
ESM 32052	Environmental Geochemistry	2	22	24
	Total Credits	**24**		

Mathematics II				
Course Code	**Course Title**	**Credit Value**	**No. of Hours**	
			Lect. & Tute.	**Pract. / Field Work**
MTM 11512	Vector Calculus	2	30	-
MTM 11521	Numerical Analysis I	1	15	-
MTM 12531	Numerical Analysis II	1	15	-
MTM 12542	Differential Geometry	2	30	-
MTM 21512	Linear Programming I	2	30	-
MTM 21522	Numerical Analysis III	2	30	-
MTM 22531	Mathematical Software MatLab)	1		45
MTM 22542	Tensor Calculus	2	30	-
MTM 22552	Graph Theory	2	30	-
MTM 31512	Linear Programming II	2	30	-
MTM 31522	Ordinary Differential Equations	2	30	-
MTM 31531	Topology	1	15	-
MTM 32542	Fluid Dynamics	2	30	-
MTM 32552	Classical Mechanics	2	30	-
	Total Credits	**24**		

PHYSICS				
Course Code	**Course Title**	**Credit Value**	**No. of Hours**	
			Lect. & Tute.	**Pract. / Field Work**
PHM 11012	General Physics	2	23	21
PHM 11021	Physics in Biology and Medicine	1	15	-
PHM 12032	Thermal and Environmental Physics	2	23	21
PHM 12041	Introductory Nanoscience and Nanotechnology	1	15	-
PHM 21011	Electromagnetism	1	15	
PHM 21022	Quantum and Atomic Physics	2	30	
PHM 21031	General Physics Laboratory I	1		45
PHM 22042	Oscillation and AC Theory	2	30	
PHM 22052	Electronics	2	30	
PHM 22061	Electronic Laboratory I	1		45
PHM 31012	Physical Optics and Optical Instruments	2	30	
PHM 31022	Solid State Physics	2	30	
PHM 31031	General Physics Laboratory II	1		45
PHM 32041	Statistical Physics	1	15	
PHM 32051	Special Theory of Relativity	1	15	
PHM 32061	Nuclear Physics	1	15	
PHM 32071	General Physics Laboratory III	1		45
	Total Credits	**24**		

Applied Courses				
Course Cord	**Course Title**	**Credit Value**	**No. of Hours**	
			Lect. & Tute.	**Pract. / Field Work**
APM 00012	Principles of Wildlife Conservation	2	15	30
APM 00021	Physics of Human Body	1	15	-
APM 00031	Introduction to Fire Science Services	1	10	15
APM 00042	Land Use and Management	2	15	30
APM 00051	Medical Geology	1	15	-
APM 00061	Engineering Physics	1	15	-
APM 00072	Mathematical Engineering	2	30	-
APM 00082	Applied Informatics	2	15	30
APM 00092	Introduction to Quantity Surveying	2	15	30
APM 00102	Introduction to Architecture Design	2	15	30
APM 00112	Waste Management	2	30	-
APM 00122	Mathematics for Management	2	15	30
APM 00132	Computations and Design	2	15	30
APM 00141	Environmental Monitoring and Control	1	15	-
APM 00152	Nano Technology	2	30	-

Note: Courses to the value of only 9 credits from the above table will be offered in Level III according to the availability of resources.

2.11 COMPULSORY, ELECTIVE AND AUXILIARY COURSES

Level I		
Course Code	**Course Title**	**Credit Value**
MTC 11011	Mathematics for Biology I	1
BLC 11011	Biology for Mathematics	1
MTC 12021	Mathematics for Biology II	1
ENC 12021	Basic Environmental Science	1
ASE 11012	Introductory Statistics	2
CSE 11021	Computational Mathematics I	1
CSE 11031	Information Technology I	1
CSE 11042	Visual Basic	2
SME 12051	Stress Management	1
ELA 11011	English I	1
ELA 12021	English II	1
Level II		
Course Code	**Course Title**	**Credit Value**
ILE 21012	Information Literacy	2
CSE 21021	Computational Mathematics II	1
CSE 21031	Information Technology II	1
BCE 22012	Basic Climatology	2
TOE 22021	Introduction to Toxicology	1
WEE 22031	Work Etiquette and Effective Communication	1
ELA 21011	English I	1
ELA 22021	English II	1
SHA 22031	Social Harmony	1
Level III		
Course Code	**Course Title**	**Credit Value**
ECE 31012	Principles of Economics	2
LTE 31021	Leadership and Team work	1
MGE 31032	Principles of Managements	2
RME 31042	Research Methodology	2
CDA 31011	Career Development	1
PAE 32012	Project Analysis	2
BEE 32021	Bio Ethics	1
PCE 32032	Peace and Conflict Management	2
HRE 32042	Human Resource Management	2

2.12 MAIN COURSES OF HONORS DEGREES

Honors Degree in Applied Statistics				
Level	**Semester**	**Code**	**Title**	**Credits**
III	I	ASS 31012	R – Software and its Applications	2
		ASS 31022	Applications of Real Analysis in Statistics *	2
		ASS 31031	Applications of Differential Equations in Statistics *	1
		ASS 31043	Advanced Mathematical Modeling**	3
		ASS 31053	Advanced Quality Control Statistics	3
	II	ASS 31063	Matrix Algebra	3
		ASS 32073	Advances Experimental Designs	3
		ASS 32083	Advanced Regression Analysis	3
		ASS 32091	Exposure Visits and Report Writing	1
IV	I	ASS 41011	Seminar and Essay Writing- Applied Statistics	1
		ASS 41023	Binary and Categorical Data Analysis	3
		ASS 41033	Marketing Management and Data Analysis	3
		ASS 41042	Industrial Training	2
		ASS 41056	Research Project - Applied Statistics	6
	II	ASS 42062	Econometrics	2
		ASS 42072	Survival Analysis	2
		ASS 42083	Capital Market and Investment Analysis	3
		ASS 42092	Statistical Finance	2
		ASS 42103	Financial Time Series Analysis	3
		ASS 42113	Multivariate Data Analysis	3

* Offered for only Biological Science students
** Offered for only Physical Science students

Honors Degree in Applied Biology				
Level	**Semester**	**Code**	**Title**	**Credit value**
III or IV	I Or II	BLS 00011	Animal Breeding	01
		BLS 00021	Animal Husbandry	01
		BLS 00032	Advanced parasitology and vector biology	02
		BLS 00042	Apiculture	02
		BLS 00053	Economic Marine Biology	03
		BLS 00063	Marine Bio-resources and Management	03
		BLS 00072	Natural Resource Management	02
		BTS 00073	Plant Pathology	03
		BTS 00092	Enzymology	02
		BTS 00102	Bioinformatics	02
		BTS 00112	Analytical Techniques	02
		BTS 00122	Post-Harvest Technology of Fruits and Vegetables	02
		BTS 00132	Plant Tissue Culture	02
		BTS 00142	Plant breeding	02
		BTS 00152	Environmental Microbiology	02
		BTS 00162	Industrial and Food Microbiology	02
		BTS 00172	Restoration ecology	02
		BTS 00192	Aquatic biology	02
		BTS 00202	Biodiversity conservation and management	02
		BTS 00212	Science Research Methodology	02
		BTS 00222	Experimental statistics	02
		BTS 00233	Environmental Economics	03
		BTS 00243	Environmental Impact Assessment	03
		BTS 00252	Environmental Policy and Law	02
		BLS 00081	Seminar-Applied Biology	01
		BLS 00096	Industrial training-Applied Biology (optional)	06
		BLS 00106	Research Project-Applied Biology	06
Total number of credits				**64**
Minimum number of credits required				**46**

Note: 1. The course units offered in a particular semester will be determined before the commencement of the particular semester.

2. The balance number of credits required, if any, to fulfill the total number of credits (minimum 120) for the honors degree should be collected from the electives offered in level 3 or/and from among the above.

Honors Degree in Botany				
Level	**Semester**	**Code**	**Title**	**Credit value**
III or IV	I Or II	BTS 00012	Plant Morphology and Anatomy	02
		BTS 00022	Plant Taxonomy	02
		BTS 00032	Algal Diversity	02
		BTS 00042	Embryophyte Diversity	02
		BTS 00052	Fungal Biology	02
		BTS 00062	Evolutionary Biology	02
		BTS 00073	Plant Pathology	03
		BTS 00082	Advanced Plant Physiology	02
		BTS 00092	Enzymology	02
		BTS 00102	Bioinformatics	02
		BTS 00112	Analytical Techniques	02
		BTS 00122	Post-Harvest Technology of Fruits and Vegetables	02
		BTS 00132	Plant Tissue Culture	02
		BTS 00142	Plant breeding	02
		BTS 00152	Environmental Microbiology	02
		BTS 00162	Industrial and Food Microbiology	02
		BTS 00172	Restoration ecology	02
		BTS 00182	Economic botany	02
		BTS 00192	Aquatic biology	02
		BTS 00202	Biodiversity conservation and management	02
		BTS 00212	Science Research Methodology	02
		BTS 00222	Experimental statistics	02
		BTS 00233	Environmental Economics	03
		BTS 00243	Environmental Impact Assessment	03
		BTS 00253	Environmental Policy and Law	02
		BTS 00261	Seminar-Botany	01
		BTS 00276	Industrial training-Botany (optional)	06
		BTS 00286	Research Project-Botany	06
Total number of credits				**66**
Minimum number of credits required Data Acquisition and Signal processing				**52**

Note: 1. The course units offered in a particular semester will be determined before the commencement of the particular semester.

2. The balance number of credits required, if any, to fulfill the total number of credits (minimum 120) for the honors degree should be collected from the electives offered in level 3 or/and from among the above.

Honors Degree in Chemistry				
Level	**Semester**	**Code**	**Title**	**Credits**
III	I	CHS 31012	Advanced Techniques in Analytical and Spectroscopic Methods	02
		CHS 31023	Advanced Organic Chemistry I	03
		CHS 31032	Advanced Practical Inorgan Chemistry	02
		CHS 31042	Advanced Practical Physical Chemistry	02
	II	CHS 32053	Applications of Group Theory Diffraction Methods and Clusters	03
		CHS 32061	Modern Reagents and Protective Groups	01
		CHS 32072	Advanced Practical Organic Chemistry	02
		CHS 32083	Advanced Topics in Physical Chemistry	03
IV	I	CHS 41011	Seminar and Essay writing-Chemistry	01
		CHS 41023	Advanced Coordination Chemistry, Magneto Chemistry and Organometallic Chemistry	03
		CHS 41032	Peri-cyclic Reactions and Organic Photochemistry	02
		CHS 41042	Advanced Organic Chemistry II	02
		CHS 41052	Applied Natural Product Chemistry	02
		CHS 41066	Research Project - Chemistry	06
	II	CHS 42072	Chemistry of Secondary Metabolites and Therapeutic Agents	02
		CHS 42081	Bioinorganic Chemistry, Nuclear and Radio-Chemistry	01
		CHS 42093	Molecular Dynamics and Quantum Chemistry	03
		CHS 42102	Chemical Ecology and Environmental Chemistry	02
		CHS 42113	Advanced Thermodynamics and Molecular Modeling	03
		CHS 42123	Bio-Chemistry and Application of Bio-Technology	03

Elective courses offered by Chemistry Unit				
Level	**Semester**	**Code**	**Title**	**Credits**
III	I / II	CHE 30012	Quality Control, Sampling Statistics and Computer Applications in Analytical Chemistry	02
		CHE 30021	Food Science	01
		LME 30031	Laboratory and Quality Management	01

Honors Degree in Computer Science				
Level	**Semester**	**Code**	**Title**	**Credits**
III	I	CSS 31012	Mathematics for Computing *	02
		CSS 31022	Mathematical Modeling for Computing **	02
		CSS 31031	Computer Systems	01
		CSS 31042	Operating Systems Theory and System Programming	02
		CSS 31052	Analysis and Design of Information Systems	02
		CSS 31062	Group Project	02
		CSS 32073	Language Processors and Natural Language Processing	03
		CSS 32083	Distributed Computing	03
		CSS 32093	Formal Methods	03
IV	I	CSS 41013	Seminar and Report Writing – Computer Science	01
		CSS 41023	Artificial Intelligence and Logic Programming	03
		CSS 41033	Advanced Database Systems	03
		CSS 41046	Research Project – Computer Science	06
	II	CSS 41052	Industrial Training	02
		CSS 42063	Computer Graphics and Vision	03
		CSS 41073	High Performance computing	03
		CSS 41083	Information Theory, Coding and Cryptography	03
		CSS 42093	New Paradigms in Computing	03
		CSS 42103	Scientific Computing	03

* offered for Biological Science Students. ** offered for Physical Science Students

Honors Degree in Mathematics				
Level	**Semester**	**Code**	**Title**	**Credits**
III	I	MTS 31013	Mathematical Methods	3
		MTS 31023	Numerical Linear Algebra	3
	II	MTS 32033	Multivariate Calculus	3
		MTS 32043	Group Theory	3
IV	I	MTS 41013	Further Mathematical Modeling	3
		MTS 41023	Numerical Solutions of ODE	3
		MTS 41033	Further Topology	3
		MTS 41043	Measure Theory	3
	II	MTS 42053	Functional Analysis	3
		MTS 42063	Further Complex Analysis	3
		MTS 42073	Financial Mathematics	3
		*	*	3
		MTS 42083	Ring Theory	
		MTS 420103	Relativity	
		MTS 420113	Numerical Methods and Scientific Computing	
		MTS 420123	Optimization	
		MTS 420133	Actuarial Mathematics	
		MTS 42096	Research Project	6

Note: Student can select one course from (*) row based on the availability of the resources.

Honors Degree in Physics				
Level	**Semester**	**Code**	**Title**	**Credits**
III	I	PHS 31012	Mathematical Methods in Physics	02
		PHS 73023	Advanced Electronics	03
		PHS 73033	Advanced Solid State Physics	03
		PHS 32042	Advanced Physics Laboratory I	02
	II	PHS 73053	Advanced Optics	03
		PHS 73063	Advanced Quantum Mechanics	03
		PHS 32072	Advanced Physics Laboratory II	02
IV	I	PHS 41081	Seminar Presentation and Essay Writing-Physics	01
		PHS 41096	Research Project - Physics	06
		PHS 41104	Advanced Physics Laboratory III	04
		PHS 73112	Polymer Physics	02
		PHS 73122	Advanced Nuclear Physics	02
	II	PHS 73132	Advanced Classical Mechanics	02
		PHS 73141	Ceramics	01
		PHS 73153	Electromagnetic Theory and Waves	03
		PHS 73163	Nanoscience and Nanotechnology	03
		PHS 73172	Superconductivity and Application	02
		PHS 73182	Advanced Statistical Physics	02
		PHS 73192	Particle Physics	02

Elective course offered by Physics Unit				
Level	**Semester**	**Code**	**Title**	**Credits**
III	I/II	PHE 30012	Data Acquisition and Signal processing	02

2.13 Special Course Units for Applied Sciences Honors Degree

Semester	Course Code	Title	Credits
I	APS 41013	Water Quality Management	3
	APS 41023	Environmental Impact Assessment (EIA)	3
	APS 41033	Toxicology	3
	APS 41043	Pharmacology	3
	APS 41053	Systems and Network Administration	3
II	APS 42062	Bioinformatics	2
	APS 42073	Geographical Information Systems	3
	APS 42081	Industry and Environment	1
	APS 42093	Industrial Quality Control	3
	APS 42106	Industrial Training	6

3. DETAILS OF COURSE CONTENTS

Details of all courses offered by the faculty including learning outcomes and important references are available in the University Website (www.seu.ac.lk).

4. EXAMINATION PROCEDURES

4.1 Period of examinations

The end-semester examination of a course unit shall be held at the end of the semester in which the course unit is completed. Continuous assessments are held throughout the course during the semester.

4.2 Requirements to sit examinations

4.2.1 Registration

A person who has been registered in the university as an internal student for a particular degree can sit for relevant examinations. Students who fail to complete their intended degree at the end of the specified period should renew their registration to be eligible to re-sit failed credits at the next available opportunity.

4.2.2 Application

A student to sit for an examination should submit an application in the prescribed form within the stipulated period. The eligible students will be issued with an admission card for the particular examination.

4.2.3 Attendance requirement

Eighty percent (80%) attendance during teaching sessions is compulsory for both theory and practical courses. A student who has less than 80% attendance for a particular course unit may not be allowed to sit the end-semester examination of that course unit. Such candidate will have to re-sit that particular examination at the next available opportunity.

However, if a student has less than 80% attendance in practical course he/she has to complete missed practical before the examination.

4.3 Re-sit candidates

4.3.1 Missing the first attempt

A student who does not appear for an end-semester examination of a particular course unit at the first opportunity available without a valid medical certificate and/or the approval of the Faculty Board and the Senate, shall forfeit the chance of sitting that examination and re-sit at the next available opportunity.

4.3.2 Sickness during Examination

If a student falls sick during the examinations, he/she or his/her guardian should inform the faculty (Senior Assistant Registrar/ Assistant Registrar) within a period of 48 hours in writing. This information should be confirmed with a valid medical supporting document within a period of two weeks from the last date of the particular semester examination. On approval of this request by the Faculty Board and the Senate, the student should sit the course unit at the next immediately available examination as a proper candidate.

4.3.3 Maximum number of repeat attempts

A candidate cannot repeat a course unit more than **three times** excluding the proper attempt. A grace chance may be permitted with the approval of the Faculty Board and the Senate.

4.3.4 Medical Certificate

This is a document that conforms to the format of Medical Certificate issued by the government hospital. Such a Medical Certificate should be obtained from any one of the following medical practitioners; A University Medical Officer (UMO), District Medical Officer (DMO), Consultant Specialist in a particular field or an Ayurvedic Physician Registered in the Ayurvedic Medical Council. Under exceptional circumstances, a medical certificate issued by a private hospital or a SLMC registered private practitioner endorsed by the University medical officer may be accepted.

4.4 Re-sitting examinations

4.4.1 Repeat examinations

Any examination conducted by the faculty will not be repeated. Therefore, a student who has obtained **E** grade for a particular course unit or who could not appear for the end semester examination of a particular course unit has to re-sit at the next available opportunity.

4.4.2 Improving lower grades

A student who has obtained **C^{-}, D** or **D^{+}** for a particular course unit is advised to repeat it. However, if the grade obtained in the second sitting is less than that of the first sitting, he/she shall be entitled to his/her former grade. The maximum grade for a credit repeated shall be **C** or grade point value 2.0. A candidate, even with **E** grades may proceed to the following year of study. However, he/she should repeat those course units at a subsequent examination.

4.4.3 Special Needs Students

Student with special needs may be given special method of evaluations approved by the Faculty Board.

5. EVALUATION CRITERIA

5.1 Introduction

Students are evaluated by both continuous assessments and end-semester examinations. The continuous assessments are in the form of open and closed book tests, take away assignments, quizzes etc. In the case of practical courses the methods of assessments could be different depending on the nature of the subject. The continuous assessments are held throughout the course and generally are **not repeated**. Therefore, regular attendance for lectures and practical classes is very important.

5.2 Courses having only Theory component

Duration of a question paper for end-semester examination shall be 1-3 hours depending on the credit value of the course unit. The number of questions shall be **02 per credit**, each of half an hour duration and **all the questions should be answered**.

Evaluation: End-semester examination, 70% + Continuous Assessment, 30%.

5.3 Courses having only Practical component

Practical Courses will be evaluated by end-semester examination (50%) as well as continuous assessments (50%) (Practical Recordings, Assessment, Attendance, etc).

Evaluation: Overall Final Evaluation, 50% + Continuous Assessment, 50%.

5.4 Courses having both Theory and Practical components

The course units having both lecture and practical components will be evaluated by both end-semester examination (70%) as well as continuous assessments (30%). Final mark calculation should be on credit weight ratio basis as follows.

i). **1 credit course**: 10 Hrs. of Lectures and 15 Hrs. of Practical.

ii). **2 credits course**: 15-23 Hrs. Lectures and 45-21 Hrs. of Practical.

iii). **3 credits course**: 30-38 Hrs. of Lectures and 45-21 Hrs. of Practical.

Evaluation: Out of 70% end-semester marks should be allocated 45% for theory and 25 % for practical.

Condition: For above **5.2, 5.3 & 5.4** a candidate to qualify for the 'D' grade or above he / she should have obtained a minimum of 25 % of the converted marks from the end semester examination of the respective course units. Obtaining required marks from continuous assessments alone will not qualify the candidate for a particular grade.

5.5 Evaluation of Auxiliary Courses

Only end-semester examination marks for English Courses (ELA) will be considered for grades.

5.6 Scheme of grading

The marks obtained for each course unit will be assigned a grade and a grade point. The range of marks is divided into sequence of suitable sub-range (as decided by the Faculty) and the sub ranges are designated by the grades. These grades are assigned grade point according to the following scheme.

Marks Range	Grade	Grade Points
85 - 100	A^+	4.00
75 – 84	A	4.00
65 – 74	A^-	3.70
60 – 64	B^+	3.30
55 – 59	B	3.00
50 – 54	B^-	2.70
45 – 49	C^+	2.30
40 – 44	C	2.00
35 – 39	C^-	1.70
30 – 34	D^+	1.30
25 – 29	D	1.00
00 – 24	E	0.00

5.7 Calculation of Grade Point Average (GPA)

GPA is the credit-weighted arithmetic mean of all Grade Points obtained by a student for the course units he/she offered excluding auxiliary courses. This will be calculated to the second decimal place according to the following formula.

$$GPA = \frac{\sum G_i N_i}{\sum N_i}$$

Where, G_i is the grade point of the i^{th} course unit, N_i is the number of credits belonging to the i^{th} course unit.

In case, a student has offered more credits than the minimum credit requirements (for general degree 90 credits and special degree 120 credits) the grade points obtained for the main courses and the best grade points among the elective courses offered by him/her will be considered for GPA calculation.

6. DEGREE AWARDING CRITERIA

6.1 General Degree

To be eligible for the B. Sc. (General degree), a student should have completed a minimum of **90 credits**, excluding enhancement / auxiliary courses and fulfilling the following requirements:

(a) Obtained a minimum GPA of **2.00**,

(b) Obtained no **E** grades in any course units within the minimum of total credit requirement,

(c) Obtained no E grades in enhancement/auxiliary courses,

(d) Completed the degree programme within **five** academic years.

Award of Honours:

In addition to the above requirements, award of honours will be decided by the board of examiners using the following criteria as guideline.

First Class:

(a) Obtained a minimum GPA of **3.70,**
(b) Completed the relevant requirements within a period of **three** consecutive academic years.

Second Class (Upper Division):

(a) Obtained a minimum GPA of **3.30,**
(b) Completed the relevant requirements within a period of **three** consecutive academic years.

Second Class (Lower Division):

(a) Obtained a minimum GPA of **3.00**
(b) Completed the relevant requirements within a period of **three** consecutive academic years.

6.2 Bachelor of Science Honors Degree

To be eligible for the Bachelor of Science Honors Degree, a student should have completed at least a total of **120 credits**, excluding enhancement /auxiliary courses and of this a minimum of 72 credits must be in the subject of specialization and fulfilling the following requirements:

(a) Obtained a minimum GPA of **2.00**,

(b) Obtained no **E** grades in any course units within the minimum of total credit requirement or of subject of specialization,

(c) Obtained no E grades in enhancement/auxiliary courses,

(d) Completed the degree programme within **Six** academic years.

Award of Class:

In addition to the above requirements, award of honours will be decided by the board of examiners using the following criteria as guideline.

First Class:

(a) Obtained a minimum GPA of **3.70,**
(b) Completed the relevant requirements within a period of **four** consecutive academic years.

Second Class (Upper Division):

(a) Obtained a minimum GPA of **3.30,**
(b) Completed the relevant requirements within a period of **four** consecutive academic years.

Second Class (Lower Division):

(a) Obtained a minimum GPA of **3.00,**
(b) Completed the relevant requirements within a period of **four** consecutive academic years.

6.3 Bachelor of Applied Sciences Honors Degree

To be eligible for the Bachelor of Applied Sciences Honors Degree degree, a student should have completed at least a total of **120 credits**, excluding enhancement /auxiliary courses and of this the fourth year should comprise with significant exposure to applications with practical training and fulfilling the following requirements:

(a) Obtained a minimum GPA of **2.00**,

(b) Obtained no **E** grades in any course units within the minimum of total credit requirement,

(c) Obtained no E grades in enhancement/auxiliary courses,

(d) Completed the degree programme within **Six** academic years.

Award of Honours:

In addition to the above requirements, award of honours will be decided by the board of examiners using the following criteria as guideline.

First Class:

(a) Obtained a minimum GPA of **3.70**,
(b) Completed the relevant requirements within a period of **four** consecutive academic years.

Second Class (Upper Division):

(a) Obtained a minimum GPA of **3.30**,
(b) Completed the relevant requirements within a period of **four** consecutive academic years.

Second Class (Lower Division):

(a) Obtained a minimum GPA of **3.00**,
(b) Completed the relevant requirements within a period of **four** consecutive academic years.

7. AWARD OF HIGHER DIPLOMA IN SCIENCE

7.1 Diploma in Science

To be eligible for the Higher Diploma in Science, a student should have completed a minimum of **60 credits**, excluding enhancement/auxiliary courses.

a. A minimum GPA of **2.00** and
b. No **E** grades in any course units including auxiliary courses.

8. EXAMINATIONS RULES AND PUNISHMENTS

8.1. By-Law No. 2 of 1996 for Conduct at Examinations

Prepared under section 135 of the Universities Act No. 16 of 1978 as amended by the Universities Amendment Act No. 7 of 1985 and approved by the University Council on 24.08.1996.

This By-Law may be cited as By-Law No. 2 and shall come into force on 15th July, 1996.

Rules pertaining to the Conduct of Examinations:

Candidates shall be present at the Examination Hall at least 15 minutes before the commencement of each paper and shall enter the Hall only when they are requested to do so by the Supervisor.

On the admission to the Examination Hall, the candidates shall occupy the seats allocated to them.

No candidate shall have in his person or in his clothes or on the admission card, time table and record book or on any other object that is permitted to be brought to the examination hall. Any notes, signs, diagrams of formula or any other unauthorized materials, books, notes, parcels, file covers, bags etc. which the candidate has brought with him should be kept at a place indicated by the Supervisor or invigilator.

No candidate shall be admitted to the examination hall after the expiry of half an hour from the commencement of the examination nor shall a candidate be allowed to leave the hall until half an hour has elapsed from the commencement of the examination or during the last 15 minutes of the paper.

A candidate shall bring into the examination hall his Student Record Book or his University Identity Card which should bear the candidate's photography and his signature duly certified by the Registrar or the Authorized officer. If there is a discrepancy between the names indicated in the Record book or the Identity Card and the name under which the candidate appears for the examination the candidate shall produce a certificate endorsed by the Registrar to the effect that both names refer to one and the same person. In the absence of the above proof of identity a candidate may produce his or her National Identity Card or a recently taken photography duly certified by an authorized person.

A candidate may be requested by the Supervisor to declare any items in his or her possession or person.

No candidate can either lend or borrow any material from any other candidate or attempt to communicate in any manner with another candidate or copy from the script of any other candidate. No candidate shall attempt to help another candidate or conduct him / her negligently so that another candidate has the opportunity of copying.

Candidates shall write only on the writing paper issued during the current paper on that particular date and session.

Examination stationary (i.e. writing paper, graph paper, drawing paper, ledger paper, precise paper etc.) will be supplied as and when necessary. No sheet of paper or answer book supplied to a candidate may be torn, crumpled, folded or otherwise mutilated. No papers other than those supplied to him / her by the Supervisor / invigilator shall be used by candidates. Log tables or any other material provided shall be used with care and left behind on the desk. All materials supplied, whether used or unused, shall be left behind on the desk and not removed from the examination halls.
Every candidate shall enter his / her Index Number on the answer book and every continuation sheet, before using such answer book or continuation sheet. No candidate shall write his/her name or any identifying mark on the answer script. Any candidate who inserts on his script an Index Number other than his / her own is liable to be regarded as having attempted to cheat.

All calculations and rough work shall be done only on paper supplied for the examination and shall be cancelled and attached to the answer script. Such work should not be done on admission cards, time table, question papers, record books or on any other paper. Any candidate who disregards these instructions runs the risk of being considered as having written notes or outline of answers with intention of copying.

Every candidate shall conduct himself/herself in the examination hall and its precincts so as not to cause disturbance or inconvenience to the Supervisor or his staff or to other candidates. In entering and leaving the hall, he/she shall conduct himself/herself as quietly as possible. A candidate is liable to be excluded from the examination hall for disorderly conduct.

No candidate shall submit a practical or field book dissertation or project study or answer script which has been done wholly or partly by anyone other than the candidate himself / herself.

Candidates shall bring their own pens, ink, mathematical instruments, drawing instruments, erasers, pencils and calculator. No candidate shall bring a programmable calculator into the examination.

No person shall impersonate a candidate at the examination nor shall any candidate allow himself / herself to be so impersonated by another person.

The supervisor/invigilator is empowered to require any candidate to make a statement in writing on any matter which may have arisen during the course of the examination and such statement shall be signed by the candidate. No candidate shall refuse to make such a statement or to sign it.

8.2 Procedure for inquiry and determination of punishment due to those found guilty of examination offences:

Examination offences shall be reported by the supervisor of the examination to senior assistant registrar of the examinations. This will be inquired by the Examination Offences Committee appointed by the Vice Chancellor. The findings of this Committee will be reported to the Senate. The Senate shall after consideration of the report, determine the punishments due to those found guilty of the examination offences.

8.3. Punishments for Examination Offences:

<table>
<tr><th>Type of Offences</th><th>Recommended Punishments</th></tr>
<tr><td>1. Name written on Answer Scripts</td><td>Written warning</td></tr>
<tr><td>2. Possession of bag etc. on or near desk</td><td>Written warning</td></tr>
<tr><td>3. Possession of unauthorized materials
a. Use any information devices in the Examination hall</td><td>Students will not be allowed to bring any electronic devices that can save/posses information or be used to get/transfer information. Cancellation of that particular paper and any other punishments recommended by the Senate</td></tr>
<tr><td>b. Possession of relevant material on university stationary and/ or on/in the human body and/or any other display material</td><td rowspan="4">Whenever found while sitting for a particular paper,
a. The admission card on which that particular exam paper falls will be cancelled. This implies that the particular paper and all the other exam paper/s mentioned in the given admission with this particular paper will be cancelled.
b. This candidate will not be eligible for class awarding.
c. These all cancelled exam papers will be considered as repeat papers in future.
d. And any other punishments recommended by the Senate

Eg. Let a student sit for Second year First Semester proper subject under an admission card A and few First year First semester repeat subjects under admission card B.</td></tr>
<tr><td>c. Relevant material to relevant Subject</td></tr>
<tr><td>d. Notes found in bags or near desk relevant to examination paper</td></tr>
<tr><td>e. Possession of unauthorized formulae etc. which are relevant</td></tr>
</table>

	- *If this student is found guilty while sitting for a Second year subjects, then all the exam papers come under admission card A will be cancelled.* - *If this student is found guilty while sitting for a First year subjects, than all the exam papers come under admission card B will be cancelled.* *Note: there may be cases a Second year student may write the First year subjects under two admission cards. (One for repeat subjects and other for the proper due to some reasons). Here also same rules said above be applied considering two different admission cards.*
f. University lecture notes. Subjects based but not relevant to specific examination paper found on/ beside desk.	Written warning for first offence. Cancellation of that particular paper and any other punishments recommended by the Senate
g. Possession of unauthorized formulae etc. which are not relevant	
4. Copying at examination (Refer conducting examination in together)	Whenever found while sitting for a particular paper, a. The admission card on which that particular paper falls will be cancelled. This implies that the particular paper and all the other paper/s mentioned in the given admission with this

	particular paper will be cancelled. b. This candidate will not be eligible for class awarding. c. These all cancelled papers will be considered as repeat papers in future. d. And any other punishments recommended by the Senate
5. Disruption of examination (Misconduct)	Written warning.
6. Impersonation	- Whenever found while sitting for a particular paper and if it is by a student a. Debarment for two years and to be referred to disciplinary action. If the student in final year, debarment period depends on duration on completion of degree program. b. The admission card on which that particular paper falls will be cancelled. This implies that the particular paper and all the other paper/s mentioned in the given admission with this particular paper will be cancelled. c. This candidate will not be eligible for class awarding. d. These all cancelled papers will be considered as repeat papers in future. e. And any other punishments recommended by the Senate

	- If by an outsider, prosecution to be initiated and any other punishments recommended by the Senate
7. Coping an assignment, project work	Assign zero marks and written warning And any other punishments recommended by the Senate
8. Aiding and abetting	Whenever found while sitting for a particular paper, a. The admission card on which that particular paper falls will be cancelled. This implies that the particular paper and all the other paper/s mentioned in the given admission with this particular paper will be cancelled. b. This candidate will not be eligible for class awarding. c. These all cancelled papers will be considered as repeat papers in future. d. And any other punishments recommended by the Senate
9. Removal of University stationary and materials	Warning by the supervisor. If the candidate persists or any other punishments recommended by the Senate
10. Attempt to obtain improper assistance	Cancellation of paper and any other punishments recommended by the Senate
11. Not carrying out the Instructions of the Supervisor at the examination hall	Verbal Warning by the supervisor. If the candidate persists written warning by the supervisor and any other punishments recommended by the Senate

9. GENERAL INFORMATION

9.1 Student Registration

All students who are admitted to the university are required to register themselves before commencing their course of studies each academic year. Students are requested to submit duly completed registration form together with all documents requested to the Academic and Examination branch of the university on or before the date specified.

9.2 Subject Registration

Students who are admitted to the faculty, requested to select courses available in the departments and register the selected courses for every semester of the every year. Students are advised to select the subject combination of their choices carefully before registration. Duly filled subject registration form should be submitted at the office of the Dean with the signature of relevant subject teachers and Heads.

9.3. Issue of Student Record Book and Identity Card

On completion of registration, the University will issue every student a Student's Record Book and an Identity Card bearing his / her photograph duly embossed with the seal of the University.

Every student shall carry his / her record book or identity card whilst in the University premises, and shall produce such record book or identity card when called upon to do so by any member of the academic, administrative or security staff of the University.

9.4. Renewal of Registration

All Students who continue their course of studies during their second and subsequent years are required to renew their registration at the commencement of each academic year on or before the date notified. Forms for renewal of registration are made available at Academic and Examination branch or the Office of the Dean. The form for renewal duly completed together with Paying in Voucher bearing the bank seal as proof for the payment for renewal of fees prescribed by the University should be submitted to the office of the Dean on or before the closing date specified.

9.5 Payments for Registration

Details of fee are given below and the payments should be credited to the South Eastern University of Sri Lanka, Account **No. 228-100190001704,** People's Bank, Addalaichenai through any branch of the People's Bank.

Payments for Initial Registration for All Students

Registration Fees :	110/-
Annual Medical Fees :	50/-
Library Deposit :	100/-
Handbook :	25/-

Those seeking Hostel Accommodation

Hostel Fees (per year) :	900/-

Payments for Renewal of Registration for All Students

Renewal fees :	110/-
Medical fees :	50/-
Identity card :	100/-
Fees for repeat courses (per course) :	25/-
Loss of Identity card :	300/-
Loss of Record Book :	300/-

9.6 English Language Teaching Unit

The ELTU is operating at the main campus and a staff has been assigned to look after the need of the FAS. The particular staff is organizing the English classes during the intensive programme with the help of visiting instructors from out of the university. In addition the staff will be conducting the English classes during the first and second year of the academic programme.

9.7 University Libraries and Museum

South Eastern University Library was established on 23rd October 1995, along with the establishment of the South Eastern University College. The main library is located at Oluvil and serves for Faculty of Arts & Culture, Faculty of Islamic Studies & Arabic Languages and Faculty of Management & Commerce. The Science Library is a branch of the main library located at FAS, Sammanthurai which is 20 Km away from the main library at Oluvil. The Science Library delivers customer focused quality information products, services

and programmes based on the needs of the Faculty of Applied Sciences. The collections and services of the library are designed to match the needs that range from basic support of the curricula to the advanced research requirements of library patrons.

Collection of Science library is approximately 16,000 books 16 Current academic journals. Catalogues of the library is computerized. Library is using KOHA –open source software for automation. The collection of Science Library is now available online. Collection has been organized as Lending Section, Scheduled Reference Section, Reference Section, Periodical Section, Sri Lanka Collection, Digital Knowledge Centre and Institutional Repositories (IR). IR collection includes Faculty Publications, publications of the faculty members and students and materials related to the University.

In addition, Digital Knowledge Centre provides multi-media information services to the users. It contains audio, Video Cassettes, CDs and DVDs. Users can also have access to electronic resources available in this section. Though, the library is located in a temporary building which provides Conducive learning environment for reading and research works.
The Cultural Museum is an integral part of the Library, established in 1997 and presently at the main campus. This Museum foster cultural awareness and cross-cultural understanding among the different communities of Sri Lanka.

9.8 Student Support Service and Welfare System

The Student Support Service and Welfare System (SSS&WS) is a central entity, which located at the main campus to which the students and others could bring their grievances and issues and seek solutions and reliefs. Similarly, it oversees the coordination and cohesion among several service divisions and units to ensure smooth functioning of the system, to remedy shortcomings and deficiencies, and to extend assistance for the students in need.

SSS&WS encompasses six broader areas, namely Student services, Student accommodation and cafeteria services, Common amenities and services such as recreational and

sports facilities, curative and preventive health care services and facilities for social, cultural, creative and aesthetic pursuits, Student welfare, grievance redress and counseling system that will coordinate with university authorities and faculty level student counseling system, Career Guidance Services, and Marshal and Security services.

Further, SSS&WS will entertain any complaints / problems / grievances from students as regard to food and lodging and financial, education and health matters etc., and provides assistance to needy students in liaison with relevant divisions / units.

9.9 Facilities and Services

The students have facilities in the campus such as Library, Computer unit, Health Centre, student's common room, Places of worship, Multi shop, Sporting facilities, Canteen, Students' Unions, Societies, Hostels, Shroff's Office etc. Officers can be met by prior appointment.

9.10 Career Guidance Unit

As part of educational reform proposals, Career Guidance has been identified as a priority since 1998; practically every university has started some activities in this regard.

Career Guidance Unit at main campus conducts career related programmes in the following focal areas: counseling and advising on careers, employability skills enhancement, career-related information provision, networking with the industries, availing work experience, graduate placement, entrepreneurship skills development and conducting seminars, conferences, workshops, exhibitions, festivals, industry days, career fairs, out bound training, etc.