



M.Sc. Degree Programme in Polymer Science and Technology

Offered by the Department of Chemistry

Why Study Polymer Science?

Today polymers have become indispensable to mankind. Rubber and plastic have become integral parts of our daily lives. There applications are everywhere, from a simple bouncing ball to rocket science, beautiful jewelries to artificial hearts. We use polymers from morning till night, eg: bed, slippers, toothbrush, cups, plates, mobile phones, cloths, car, tyres, computer to television. In general 80% materials used daily by a regular human being is made out of polymers. Simply we are living in a world of polymers, so why not study them!

History of the M.Sc. program in Polymer Science and Technology at USJP

Polymer industry has become a major contributor towards our national economy since the early 1930's. By recognizing the national need of quality education in this field of science, a Masters Degree program in Polymer Science and Technology (PST) was introduced in 1974 by the Department of Chemistry with the aid of University of Aston, United Kingdom.

Course description

Our endeavor is to develop enlightened members of the polymer society. We pursue excellence in graduate education. Therefore the program is designed to embrace topics from introductory level to high end applications of polymer science and technology. This 24 month M.Sc. program has been aimed for training much needed polymer scientists, polymer technologists, quality control officers, and plant managers for booming Sri Lankan rubber and plastics industry. Thus the course is suitable for the professional community who are engaged in PST and for graduates seeking entry to such organizations.

Careers

The program encompasses a broad spectrum of both theoretical and practical aspects in PST. By gaining good theoretical and practical insight students find it easy to establish themselves in the Sri Lankan polymer based industries and academia. In addition, the course curriculum contains sufficient academic depth such that it will create a golden platform for students to proceed for higher degrees at national as well as international level.

For more information contact

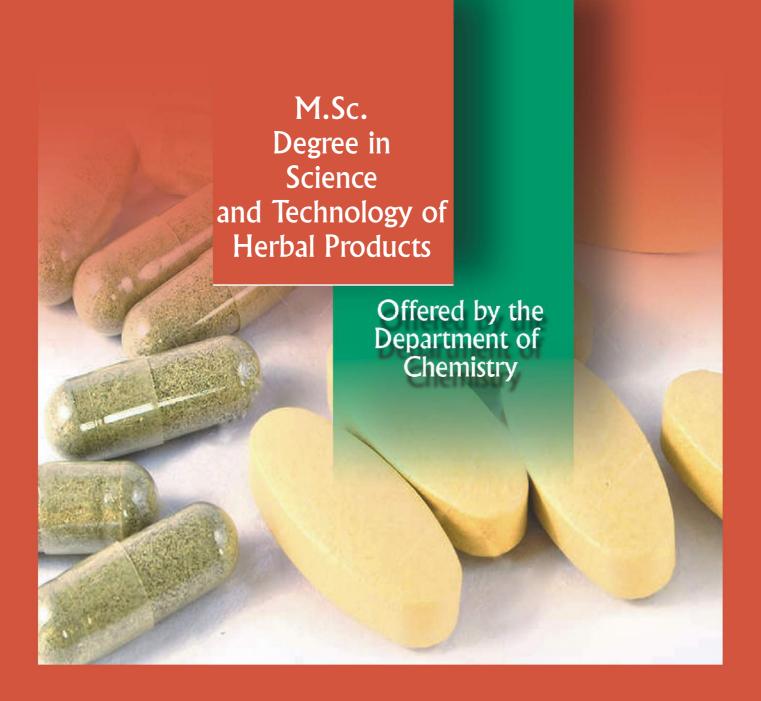
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M.Sc. Degree in Science and Technology of Herbal Products

Offered by the Department of Chemistry

Introduction

Sri Lanka has a large number of medicinal and aromatic plant species and has many industries that utilize such plant materials. Sri Lanka also has its own traditional system of medicine based on the ancient system of Ayurveda. Today, there is an increased demand for herbal products such as cosmoceuticals, nutraceuticals, and herbal health care products, not only in Sri Lanka but also globally. Therefore, there is a need to provide the necessary scientific knowledge and develop human resources for the industrial utilization of medicinal and aromatic plants. This will open up a wide range of opportunities in industry, research and business development. Keeping this in mind the Department of Chemistry of the University of Sri Jayewardenepura has introduced for the first time in Sri Lanka, a full time two-vear postgraduate course leading to a Masters Degree in Science and Technology of Herbal Products.

Course description

The M.Sc. program has been designed to encompass a broad spectrum of topics to provide necessary scientific knowledge and practical skills in the field of Science and Technology of Herbal Products. It is a full time, two-year program. The first academic year will comprise of lectures, laboratory work, field visits, assignments and a seminar and the second academic year will comprise of the research component and a seminar.

Careers

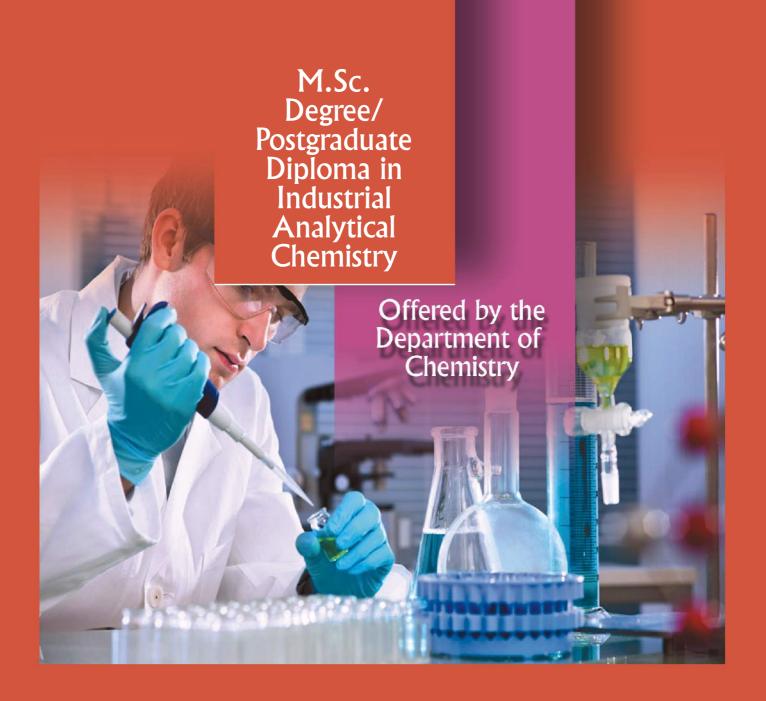
The M.Sc. program will help graduates seek employment in government and private sector institutions that produce herbal products utilizing medicinal and aromatic plants. This program will also open up opportunities in research at national as well as international level in areas related to Science and Technology of Herbal Products. In addition, this will provide background information for those interested in starting up their own enterprises.

For more information contact

Dr. (Mrs.) Chayanika Padumadasa Coordinator/M.Sc. in Science and Technology of Herbal Products +94 0112758564

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Web: science.sjp.ac.lk/che/herbal-pro-msc/



M.Sc. Degree/Postgraduate Diploma in Industrial Analytical Chemistry Offered by the Department of Chemistry

Introduction

Chemical analysis plays a vital role in all aspects of life. There is an increasing demand for qualified analytical chemists throughout the world. By recognizing the need of qualified personnel in this field of science, a Masters Degree program as well as a Post Graduate Diploma in Industrial Analytical Chemistry has been initiated by the Department of Chemistry in 2013.

Course description

The Department of Chemistry at University of Sri Jayewardenepura is equipped with high-end analytical tools where students will get hands-on experience in achieving the correct level of accuracy in each measurement, which is the key for developing a qualified analytical chemist. The second year research component and the case studies are specifically designed to solve analytical chemistry problems in the industrial setup. The duration for the M.Sc. Degree is two years where as the duration for the Post Graduate Diploma is one year.

Entry qualification

Applicants should possess one of the following degrees from any recognized university:

B.Sc. including chemistry as a subject, B.Sc. (Special) Chemistry,

B.Sc. (Special) Pharmacy, B.Sc. in Pharmacy, B. Pharm

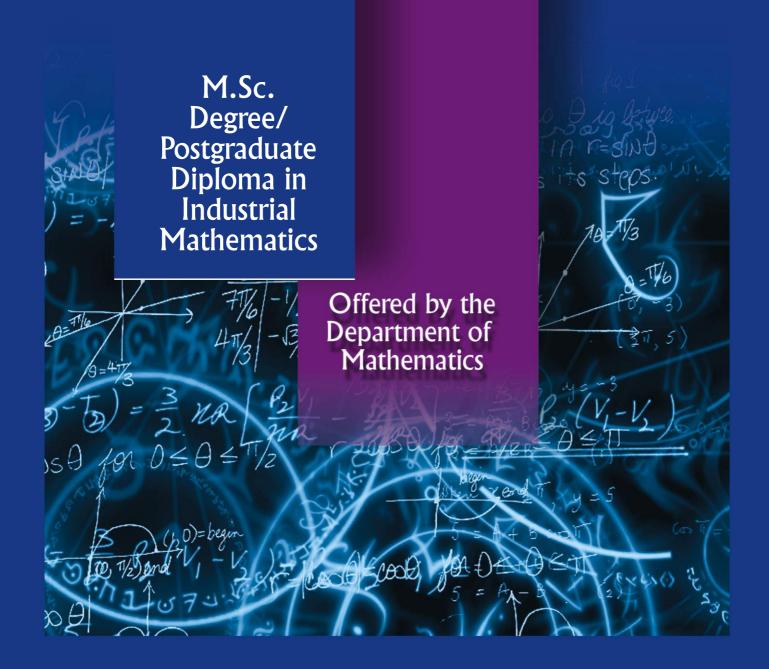
Careers

This course is designed to improve the analytical chemistry skills of government and industrial employees who are engaged in chemical, pharmaceutical, bio-analytical, forensic, food and environmental fields. This also gives an opportunity for university graduates to improve their entrance potential for industrial positions as well as for further higher studies.

For more information contact

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M.Sc. Degree/Postgraduate Diploma in Industrial Mathematics Offered by the Department of Mathematics

Introduction

Being the first Faculty of Applied Sciences of the country and realizing the potential of graduates with a strong mathematical background, we launched the first Postgraduate Diploma/M. Sc. Program in Industrial Mathematics in Sri Lanka, in 1996.

By this program it is hoped, to bring together the mathematically oriented personnel employed in various industries and the application orientated researchers within the university community, to provide means of further improving their effectiveness. It is a well-accepted fact that science and technology play a vital role in the process of development. We will concentrate on utilization of the resources of this country for the benefit of its own people.

The Growing Importance of Industrial Mathematics

Success in industrial mathematics is based on applying existing tools and computational techniques in addition to discovering new tools and techniques. The mathematical scientist in industry must have a broad background to be able to recognize when the model or solution procedure has already been investigated. Skills in formulation, modeling and implementation are critical in industry. Teamwork, communication skills and breadth of knowledge are also valued in industry.

Course Description

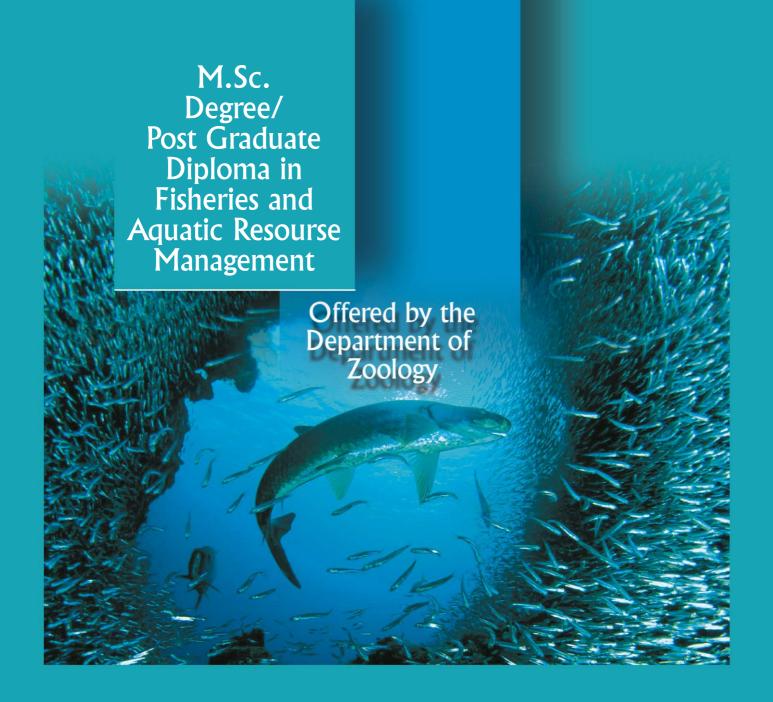
Total number of contact hours (lectures and practicals) of the M.Sc. program exceeds 400 hours. Therefore, the M.Sc. program is categorized as a full time program. Naturally, Industrial Mathematics may borrow from a variety of mathematical disciplines, such as Numerical Analysis, Computational Mathematics, Partial Differential Equations, Dynamical Systems, Control and Optimization theory, Probability and Statistics and Discrete Mathematics. The common feature running through this program is the goal of getting better understanding of industrial models and processes through mathematical ideas and computations.

Programme Eligibility

Candidates applying for the PG Diploma/ M.Sc. program in Industrial Mathematics should have a Bachelor's Degree with Mathematics as a component preferably B.Sc. (Special) Mathematics, Statistics, Computer Science, B. Sc.(Physical Science) or B. Sc. (Engineering) graduates.

Dr. N.C. Ganegoda Coordinator PG Diploma/M.Sc. in Industrial Mathematics Department of Mathematics Phone: +94 11 2758389

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M.Sc. Degree/Post Graduate Diploma in Fisheries and Aquatic Resourse Management Offered by the Department of Zoology

Introduction

The postgraduate degree program is designed to meet the increasing need for highly skilled multidisciplinary decision makers, entrepreneurs, biologists or biologically literate mathematicians and statisticians in order to address the management challenges of the present day aquatic resources facing. It is of equal interest to recent graduates seeking employment prospects in aquatic resources management. This is the pioneer MSc degree in the disciple in Sri Lanka which has produced hundreds of qualified resource managers working in key local and foreign institutes.

Course description

The duration for the M.Sc. Degree is two years where as the duration for the Post Graduate Diploma is one year.

Entry qualifications

First degree in Biology, Veterinary Science, Chemistry, Physical Sciences, Geology, Oceanography, Environment Science, Natural Resources, Agriculture Any other degree with 3 years of experience in fisheries or aquatic resources sector.

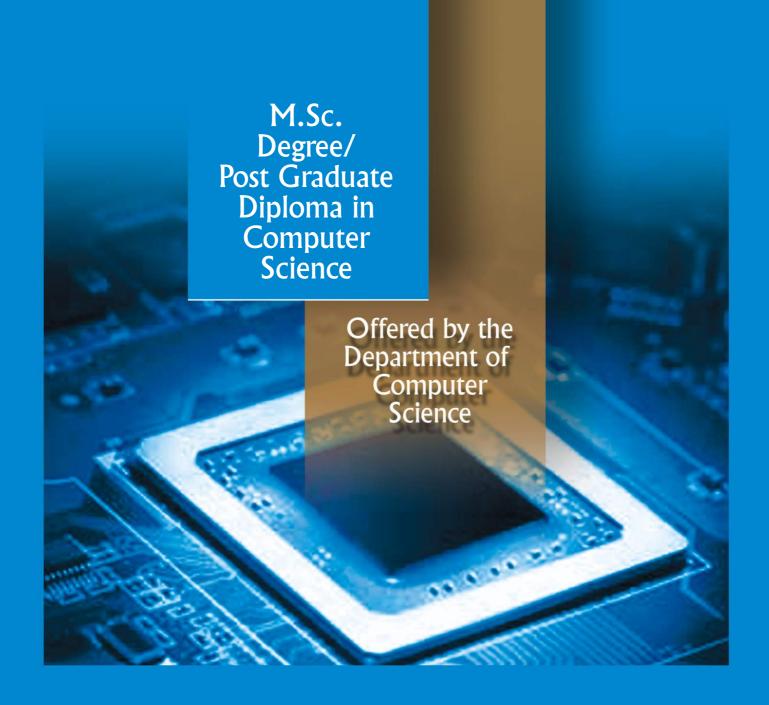
Any other special qualifications equivalent to a degree recognized by the University Grant Commission with at least 5 years of experience in the field of fisheries and aquatic resources

For more information contact

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M.Sc. Degree/Post Graduate Diploma in Computer Science Offered by the Department of Computer Science

Introduction

This program has been designed for those who are interested in pursuing higher studies in the field of Computer Science. The curriculum of this program is designed to provide students with a good grasp of core contents of Computer Science which any professional in the subject is expected to know, to foster logical and analytical thought, independent study, self-motivation and communication skills, to make aware of research results and latest trends in the key areas of the subject, to provide opportunities to gain practical experience of computing, using modern hardware and software, in order to provide motivation for and deeper understanding of material taught in formal lectures, to produce graduates with sound knowledge in both theory and practice in Computer Science, including current emerging technologies and experimental learning, to prepare students to contribute to the computing profession upon graduation and to provide the necessary background required to read for a Ph.D. in Computer Science.

Eligibility

- 1. Bachelors degree from a recognized university or any other equivalent qualification in the field of Computer Science or ICT that would be acceptable to the Faculty of Applied Science and the senate of the university.
- 2. All lectures, practical classes and examinations are conducted in English. Therefore, the candidates must be fluent in English.

Target group

- Those who need academic qualifications in Computer Science.
- Those who are planning to start a career or already employed in a computing environment.
- Those who teach Computer Science or ICT in schools or universities or other educational institutes.

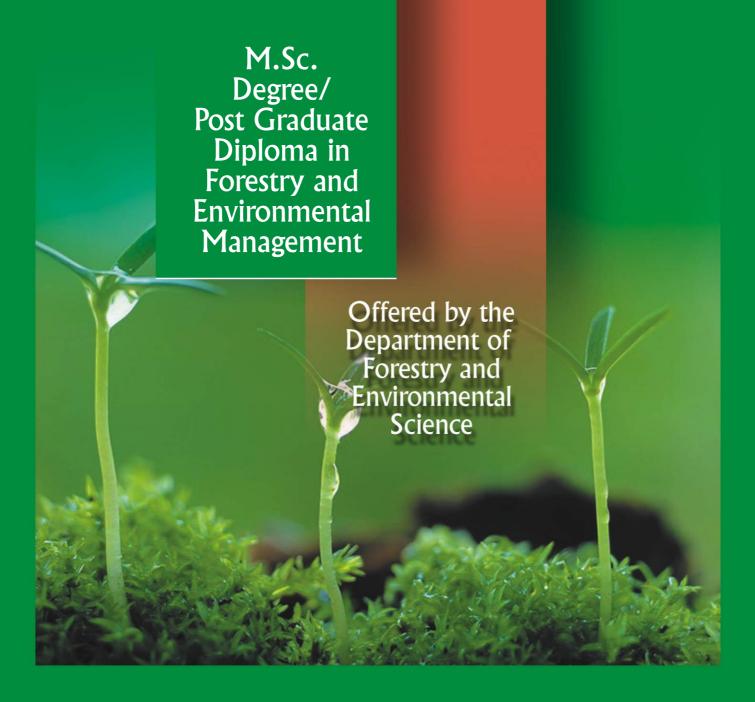
For more information contact:

Dr. T.G.I. Fernando

Coordinator/M.Sc. Programme in Computer Science

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M.Sc. Degree/Post Graduate Diploma in Forestry and Environmental Management

Offered by the Department of Forestry and Environmental Science

Introduction

With the concept of "sustainability" percolating into virtually all key sectors of the economy, applied knowledge in environment, natural resources and their management has become a skill of demanded in the modern competitive career market. The MSc./Post Graduate Diploma in Forestry and Environmental Management offered through the Department of Forestry and Environmental Science is designed to equip you with the necessary knowledge and skills to take up diverse challenges in naturel resource management.

Be a part of the tradition...

Postgraduate education in Forestry and Environmental Sciences at the Department of Forestry and Environmental Science University of Sri Jayewardenepura has a history of more than 30 years. Since 1983, we have produced over 500 professionals with Masters qualifications, who are currently holding top managerial and executive positions in various forestry and environment related institutions, and ably contributing to the management of country's natural resources.

Course description

M.Sc. in Forestry and Environmental Management is a full time two-year course whereas Post Graduate Diploma is a one year course. The course consists of core courses, assignments and a research project. The coursework component of both M.Sc. and Post Graduate Diploma programs consists of an integrated series of lectures selected from 4 taught modules.

During the first year, both M.Sc. and Post Graduate Diploma students follow a common program that provides a comprehensive background. During the second year, M.Sc. candidates concentrate more on applied aspects as well as on the research project.

Entry requirements

B.Sc. Degree in Biological or Physical Science, Forestry and Environmental Science, Geography, Geology, Agriculture, Civil or Chemical Engineering

Four year Degree in Management, Social Science, Economics, with at least 5 years of experience in a relevant field or Any other special qualification equivalent to a degree recognized by the University Grant Commission and considered appropriate by the University Senate, with at least 7 years of experience in the field.

Careers

The course is designed to train professionals to undertake tasks in forest and wildlife management, water and other natural resource management, environmental pollution control and use of special tools such as environmental impact assessment, cost benefit analysis, GIS and remote sensing applications in environmental management. As such, this program will open up the pathway to diverse and rewarding careers in government ministries, non-governmental organizations, environmental and business consultancies, public sector organizations, and manufacturing and service industries in the private sector.

For more information contact:

Dr. Priyan Perera

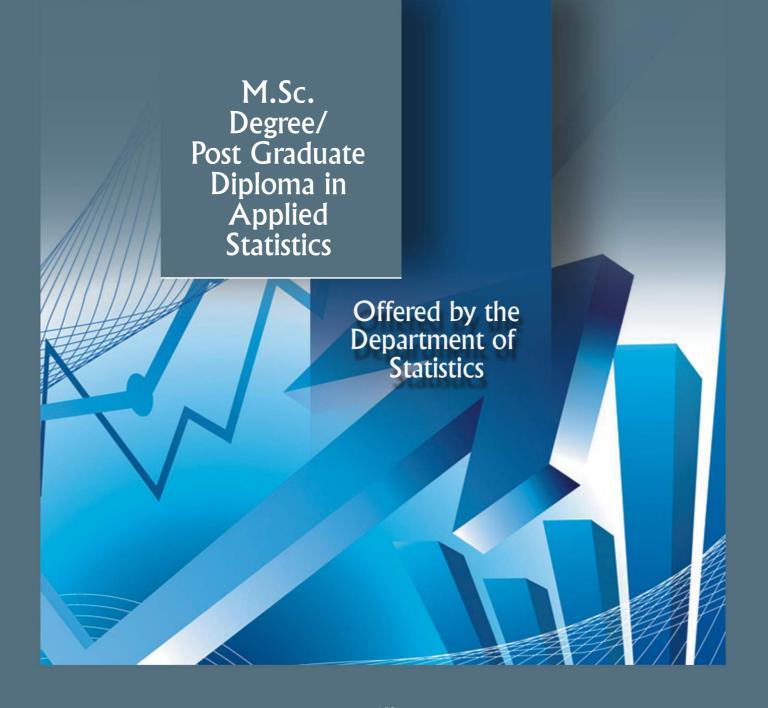
Coordinator - M.Sc./Post Graduate Diploma in

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M.Sc. Degree/Post Graduate Diploma in Applied Statistics

Offered by the Department of Statistics

Why study Statistics?

Statistics is an extremely diverse discipline, which has applications in almost every scientific field. It offers a wide range of career opportunities in many fields such as Agriculture, Education, Medicine, Biological Sciences, Economics, and Marketing etc. Professionals in such fields require sound knowledge in applied statistics in order to solve their statistical problems in practical situations. By studying statistics, they gain knowledge in understanding, designing and carrying out statistical research in a broad range of fields.

History of the Postgraduate Diploma/M.Sc. Degree Programme in Applied Statistics at USJP

The first ever self-financed postgraduate program in Sri Lanka, namely the postgraduate program in Statistics, was started in 1968 by the Department of Mathematics of the University of Sri Jayewardenepura. The Department of Statistics and Computer Science restructured and renamed that program as the M.Sc. Degree/Postgraduate Diploma program in Applied Statistics in 1997.

Course Description

The programme introduces many key areas including elementary statistics and probability, essential statistical methods and essential statistical methods. The total programme, including lectures and examinations, requires approximately 92 working Saturdays. Total duration of the M.Sc. program is approximately 2 years.

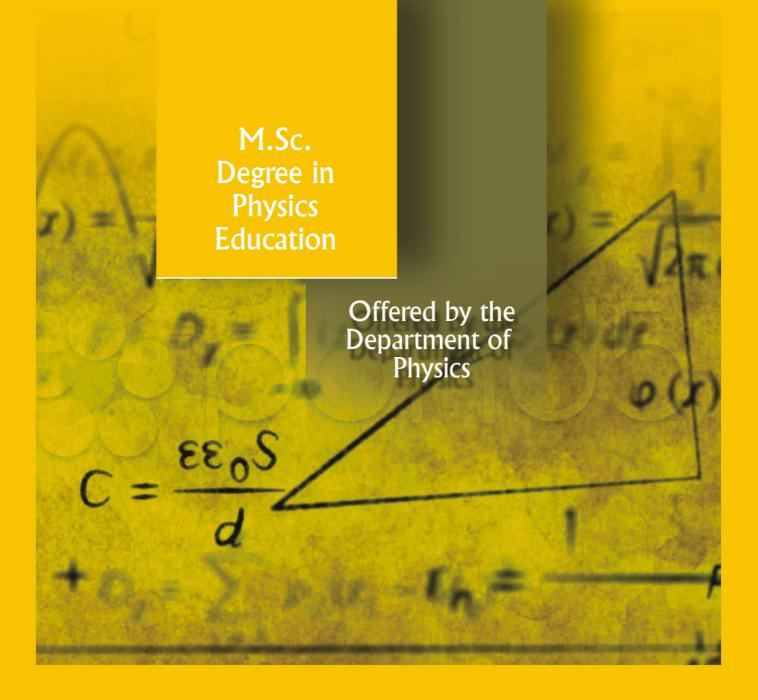
Entry qualifications

Bachelor's Degree from a recognized university or an equivalent institute recognized by the University Grants Commission. Knowledge in arithmetic and elementary algebra is required for those who follow the Postgraduate Diploma. Additional knowledge in calculus and matrix algebra is required for those who proceed to the M.Sc. Degree in Applied Statistics. Fluency in written and spoken English is essential. Basic knowledge in computer programming will be beneficial.

For more information contact:

Dr. Ravindra Lokupitiya Head/Department of Statistics Coordinator – Post Graduate Diploma/M.Sc. Program in Applied Statistics Phone: 0717246741

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M.Sc. Degree in Physics Education

Offered by the Department of Physics

Introduction

Physics plays an important role in all aspects of life and is undoubtedly the route to intellectual enlightenment in relation to the physical world. In addition to its well known applications in numerous fields, Physics provides a logical and conceptual framework useful in understanding natural phenomena and processes. Exposing students to physics at early stages therefore will help them to have a proper insight into the physical world. This however cannot be achieved without the active involvement of properly trained teachers who are well versed in principles of Physics as well as those of Education. Academic discipline that covers both these aspects is referred to as Physics education. The Department of Physics wishes to address this problem and proposes to commence a Postgraduate Diploma / M.Sc. programme in Physics Education under the Board of Study of Physical Science of the Faculty of Graduate Studies to fill this lacuna.

Objectives

Objectives of the proposed postgraduate programme are to produce secondary school Physics teachers and other educators in Physics who will be

- Having a sound knowledge of Physics based on concepts as well relevant aspects of Education.
- 2. Competent enough to upgrade their knowledge in new areas that will be added to the Physics curriculum from time to time,
- 3. Having general idea of philosophical aspects of Physics and recent developments and trends in Physics.

- 4. Competent in using mathematics, computers and microprocessors etc. as tools of teaching of Physics.
- 5. Sufficiently motivated to use the knowledge of Physics in design low cost equipment for Physics laboratory studies.
- 6. Sufficiently matured to identify and design projects that would develop skills and competencies in the student and supervise them.
- 7. Knowledgeable in modern evolution methods
- 8. Capable of recognizing the usefulness and limitations of Physics and appreciate its appreciates its applicability in other disciplines and everyday life.
- 9. Capable of developing skills and attitudes in students that will be of long term value in increasingly technological world rather than focusing on large quantities of factual material which will have only short term relevance.
- 10. Capable of motivating students to use the logical thinking process acquired by studying Physics in addressing other issues.

Entry qualification

Graduates of recognized universities who have offered Physics as a subject are eligible to apply. Preference will be given to those who are in the teaching profession or allied professions.

For more information contact:

Dr. P. Geekiyanage

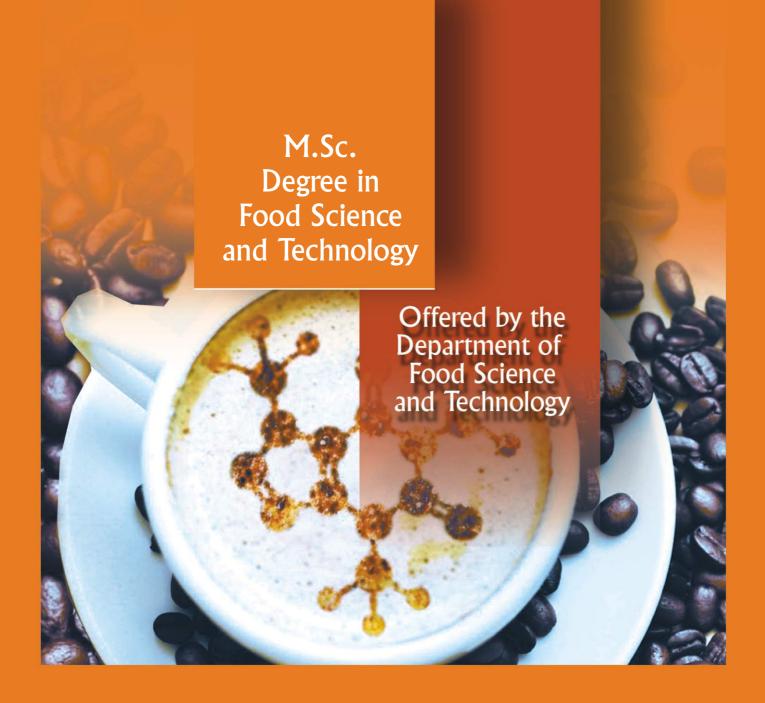
Head - Department of Physics,

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M.Sc. Programme in Food Science and Technology

Offered by the Department of Food Science and Technology

Why Study Food Science?

Food Science and Technology draws on the spectrum of biological and physical sciences, applies them to one of the essentials of life which is none other than food. Food science, not only in the academic, but in the real world sense, relies on mathematics, physics, biology, chemistry, biochemistry, microbiology, engineering, processing, nutrition, biotechnology, marketing and management. The purpose of the M.Sc. degree in Food Science and Technology is to provide the student with an advanced training in a specialization, with a particular emphasis on the acquisition of experience in the strategies and experimental methods of modern, original scientific research.

History of the MSc program in Food Science and Technology at USJP

The national need for human resource development in the field of Food Science and Technology was recognized by USJP as far back as 1969 based on this realization the first ever Post Graduate Diploma in Food Science and Technology in the country was introduced through the Department of Biological Sciences in 1968 due to the efforts of late professor A.C.J. Weerakoon, then professor of Biological Sciences. Subsequently in 1979 this programme was transferred to be managed by the Department of Chemistry. Later in the year 1992, the post Graduate Diploma was upgraded to a Master Degree in Food Science and

Technology to be executed through the Department of Chemistry. On establishing the Department Of Food Science and Technology in the year 2005 this master degree programme became to be managed by the Department Of Food Science and Technology under the responsibility of the Faculty of Graduate Studies.

Course description

The course consists of course work, practical classes and a research component geared towards those already employed in the food sector as food technologists, research scientists, academics, trainers, food analysts, QC personnel, factory managers, medical/scientific persons in Nutrition, Food Policy and Food Security or for those wishing to enter a career in the food related sectors as above or enhance knowledge on scientific aspects of food resources and their management for better utilization in business opportunities. Hence the curriculum has been designed to cater to the needs different personnel involved in the food industry.

Entry qualification

Applicants should possess **one** of the following degrees from any recognized university:

B.Sc. degree with Chemistry as a subject

Degree in Agriculture, Medicine, B.V.Sc., B.A.M.S., M.B.B.S., Chem..Eng.,

An equivalent qualification from a recognized higher education institution

Recruitment procedure

Applicants are invited from the candidates who have satisfied the entry requirements. Due to large numbers of candidates applying for this course, suitable candidates are selected by an aptitude test and subsequently with an interview where mostly authenticity of certificates is examined. However, applications sponsored by state and private sector other organizations working in the target food-related areas would be given preference.

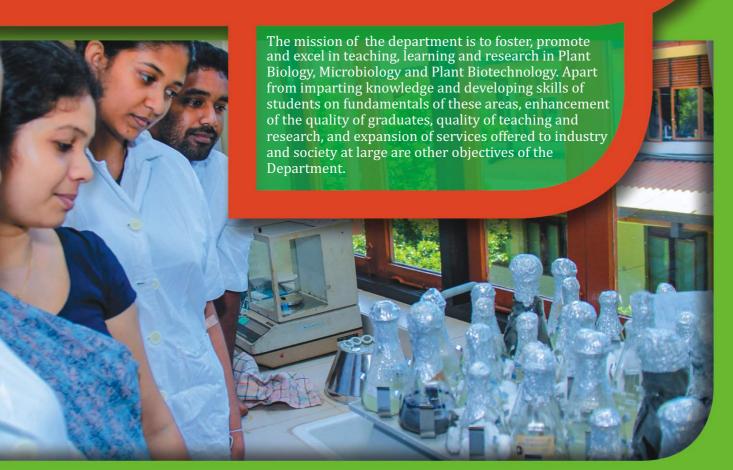
Careers

The program prepares those already employed in the food sector as food technologists, research scientists, academics, trainers, food analysts, QC personnel, factory managers, medical/scientific persons in nutrition, food policy and food security or for those wishing to enter a career in the food related sectors. The programme incorporates many different disciplines and through those, it prepares you for a career not only in the food industry, but in many areas that you probably wouldn't even think of.

For more information contact:

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Website: http://science.sjp.ac.lk/food/pg/

Department of Botany



Introduction:

Plants are the life-givers on earth. As primary producers, they are the first link of all food chains; produce oxygen that we breathe in; they give mankind everything from food, timber, medicine, spices, perfumes and oils to flowers. Can we ever think of an ecosystem without plants?

These are just some reasons why Botany holds a unique position among all sciences. The knowledge of a man will not be complete without the knowledge about trees. Botany enables one to learn about phenomena like the greenhouse effect, environmental pollution, and how to create an entire plant from a cell that is not even visible to the human eye.

Apart from all these, we, Sri Lankans are lucky enough not only to possess a rich biodiversity, but also to inherit an enchanting virgin rain Forest; the Sinharaja, which makes Botany a truly special field.

Degree programmes offered by the department:

The Department of Botany offers three different courses (Plant Biology, Plant Biotechnology and Microbiology), which are designed to provide students with solid preparation to develop a range of skills in above areas of plant sciences together with employability skills such as communication, critical and creative thinking, team work and decision making.

Postgraduate Programmes

The Department offers two postgraduate research degrees; M Phil and PhD in a range of disciplines including Biotechnology, Tissue culture, Microbiology, Molecular Biology, Genetics and Plant Anatomy. It has built up an excellent research culture by having many staff members who have received awards for their innovations.

Facilities in the Department

• Molecular Biology Laboratory:

A well equipped Biotechnology Laboratory is available for teaching several course units in Plant Biotechnology and also for the use of research students.

Computer Laboratory:

A computer laboratory with networking is available for teaching Biometrics, Bioinformatics, Molecular Modelling and Numerical Taxonomy.

Plant House:

Three plant houses are available for maintaining live specimens needed for teaching Plant Diversity, Plant Taxonomy, Plant Virology, Plant Tissue Culture etc.

Tissue Culture Laboratory:

A fully equipped Tissue Culture laboratory is available for teaching and research purposes.

Botanical Garden:

In addition to Greenhouses a botanical garden is available (with a pond) for teaching and research (field experiments/field trials) purposes.

Herbarium:

A herbarium comprising wet and dry specimens gives you an opportunity to study the plant diversity of the country.

Research Laboratories:

Research laboratories for Plant Tissue Culture, Molecular and Microbiology, Virology and Pathology are available with 24 hour access to research students under the suppuration of senior academic member of the department.

Awards

The following two awards are made available to students who perform exceptionally well in their studies.

1. Prof. Amilasith Yapa Gold Medal:

This medal is awarded to the student who obtains the highest GPA (Grade Point Average) in B.Sc. (Special) Degree Examination in Plant Biology with a First or Second Class (Upper Division) pass.

2. Prof. H.G. Nandadasa Gold Medal: -

This medal is awarded to the student who obtains the highest GPA in B.Sc. (Special) Degree Examination in Plant Biotechnology with a First class or Second Class (Upper Division) pass.

Botany and Plant Biotechnology Society

Botany and Plant Biotechnology Society, which was formed in 2006, conducts various activities



such as workshops, seminars, public lectures related to current topics in popular science.

For further advice and information please contact;

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Prof. W.T.P.S.K. Senarath B.Sc. (Peradeniya) PhD (Bangor)



Professor and Head of the Department

Research interests: Plant cell and tissue culture, Secondary metabolites, Synthetic seed technology and Cryopreservation Email - wtpsk2011@yahoo.com

Prof. K.M.E.P. Fernando B.Sc. (Vidyodaya) PhD (Lancaster)



Professor

Research interests: Diseases of agricultural crop plants and eco-friendly management strategies Email - preeni@sjp.ac.lk

Prof. N. Salim B.Sc. (USJP) PhD (Bath)



Professor

Research interests: Begomovirus and potyvirus infections in plants, Endophytes (Screening for medicinally important endophytes), Microbial diseases of sugarcane
Email - salim@sjp.ac.lk

Dr. P.N. Dasanayake B.Sc. (USJP) PhD (USJP)



Senior Lecturer

Research interests : Conservation and utilization of plant genetic resources, Genome Mapping Email - nilanthiedas@yahoo.com

Dr. Dilantha Gunawardana B.Sc.(Hon), Ph.D.(University of Melbourne, Australia)



Senior Lecturer

Research interests: Nitrogen fixation, Phytoremediation, C4 photosynthesis, Biofertilizer, Transgenic plants, Bioethics & RNA Biology Email - dilanthag_12@yahoo.com.au

Dr. M.L.A.M.S. MunasingheB.Sc. (Colombo), M phil. (Kelaniya),
Ph.D. (Aberdeen)



Senior Lecturer

Research interests: Pollen analysis of cereals, Morphology, distribution and drought resistant characteristics of Sri Lankan landraces. Email mayuri@sci.sjp.ac

Mrs. D.H.H. Munasinghe
B.Sc. (Colombo)
M.Sc (Cheju National University)



Lecturer

Research interests: Predicting drug and plant secondary metabolite effects through transcriptomics using Microarray Technology and Expressed Sequence Tag (EST) analysis.
Email - h munasinghe@vahoo.com

Mr. I.U. Kariyawasam B.Sc. (Hons Botany, USJP), Pg.Dip.(Agricultural Microbiology-Col), M.Sc.(Edinburgh, UK)



Lecturer

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Mrs. P.K.C. Buddhinie B.Sc. (Colombo)



Probationary Lecturer

Research interests: Post-harvest pathology with special interest on fungal and viral infections in fruits
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Mrs. G.G. WajiraNandanee B.Sc. (USJP)



Probationary Lecturer

Research interests: Thermophilic microorganisms and their industrial utilization Email - wajiranandanee@yahoo.com

Mr. S.R.G.S.K. Samarasinghe B.Sc. (Kelaniya) Reading for a PhD (Australian National Unversity)



Probationary Lecturer

Research interests: Interactions between drugs and cellular ion channels, molecular diagnostic methods for infectious diseases Email - caveendasamarasinghe@gmail.com



Mrs. P.N.N. Edirisinghe



Mrs. R.D.S. Ranwala



Mr. H.A.N.D. Rathnayake



Miss. W. G. D. H. Perera



Mrs. P.A.M.K. Pahuruthota



Mr. R.J.K. Vini Ranatunga



Mr. M.W.G.C.P Jayathilaka



Mr. R.S. Perera



Mr. J.G. Shantha



Mr. M.W.C. Maduwatha

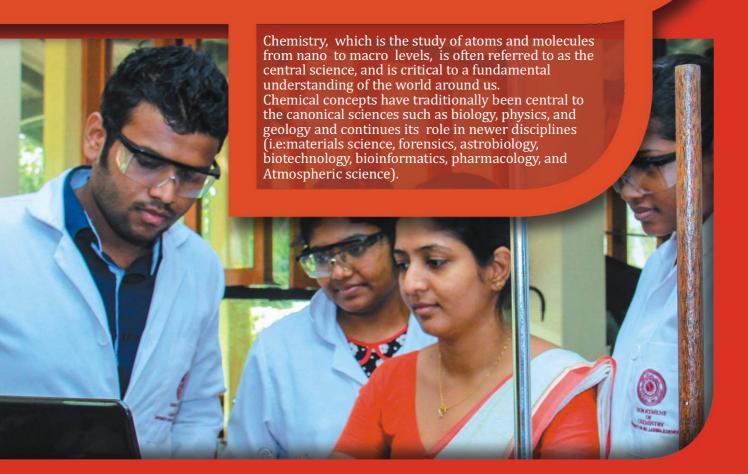


Mr. K.D. Chayan Lalitha



Mr. D.M. Abeyratna

Department of Chemistry



Introduction

Chemistry is a rapidly growing discipline bringing new discoveries theories, and scientific applications that ultimately benefit society. It is necessary for practicing chemists to be proficient in a wide range of chemical disciplines in order to address the important problems that lie at the interface of chemistry and closely related disciplines.

The Department of Chemistry at the University of Sri Jayewardenepura offers courses that incorporate the most recent advances in the discipline and provide our students with a strong foundation in the fundamentals of Chemistry and a choice of more specialized optional courses which cover a wide range of topics to suit their future goals. Academic programmes in Chemistry are designed to meet the needs of the country and prepare the students to seek employment with confidence.

The department of Chemistry has a highly skilled academic staff, 20 PhDs and offers an excellent research environment that includes research laboratories and a fully staffed instrumentation facility with state-of the art equipment including Atomic Absorption Spectrophotometer,UV-vis, Fluorescence Spectrophotometer, Far and Mid IR FTIR Spectrometer, Gas Chromatography Mass Spectrometry, Impact Tester, Rheometer, Luminescence Spectrometer, Near IR Analysis.

The vision of the department is to contribute to national development, scientific advancement and professional development by providing up to date training and opportunities to students to become efficient and successful professionals.

Degree programmes offered by the department

B.Sc. General degree with chemistry as a subject B.Sc. Special degree in chemistry B.Sc. in Polymer science and technology

PST Programme

Department of Chemistry offers Polymer Science and Technology as a subject in addition to the chemistry to the BSc degree program since 2004. It is focused to produce high quality graduates having sound knowledge in polymer science and polymer technology with a preliminary exposure in industrial atmosphere to endow polymer scientists, polymer chemists and polymer technologists for working with new challenges. M.Sc. in polymer science and technology was introduced with the help of University of Akron at the Department of Chemistry in 1976. The Master degree is well recognized post graduate program to the polymer industry of the country.

Polymer science and technology has exponentially expanded in a global context and global production of polymers has exceeded the production volume of steel. Polymers became a good replacement for the applications of steel, glass and ceramic since its light weight, energy serving production processes and acceptable chemo mechanical properties. Engineering polymers, Domestic polymers, Conductive

polymers, drug delivery polymers, paints and adhesives and elastomers are some examples of the application based categories of polymers.

According to the Flory (Nobel price, 1974) modern polymer science is a blend of organic chemistry, some aspects of physical chemistry, material physics, statistical mathematics, and some aspects of inorganic chemistry. Polymer technology is a combination of polymer science, some aspects of chemical engineering, rheology, and reactor designing for polymerization, some mechanical aspects and mould designing. Its interdisciplinary nature makes it a fascinating and challengeable subject.

Internal symposium of Polymer Science and Technology

The Department of Chemistry initiated the first International Symposium in Polymer Science and Technology in collaboration with universities and industries in 2012.

The symposium is conducted for every other year with the aim to merge academia and polymer industry on a common platform to exchange information and novel ideas to enhance research and development and inspire and prepare the younger generation in meeting global challenges with social responsibilities.

Awards

The following awards are presented to students who perform exceptionally well in their studies.

1. Chemical Industries Colombo Ltd.

Award 1: This prize is awarded to the student who obtains the highest marks at the final examination in the B.Sc. Chemistry (Special) degree.

Award 2: For 2 students who have obtained the highest aggregate at the B.Sc. (Special) degree 3rd year ending examination.

2. G.C.N.Jayasuriya Gold Medal:

This medal is awarded to the student who obtains overall highest marks for Chemistry subject in the B.Sc. General degree examination.

3. Prof. Tuley de Silva Gold Medal:

This medal is awarded to the student who obtains highest overall marks at the B.Sc. Special degree.

4. L.A.C. Alles Award:

This prize is awarded to the student who obtains either a first class or a second class upper division pass having highest marks for Food Science and Technology course units at the B.Sc. Chemistry Special Degree Examination

5. Prof. W S Fernando Gold Medal for Physical & Inorganic Chemistry:

. The award will be given to the student obtaining a 1^{st} or 2^{nd} Class Upper division and the highest GPA for Physical Chemistry and Inorganic Chemistry (core and compulsory courses) in the 3^{rd} and 4^{th} year of the B.Sc. Chemistry (Special) Degree programme.

6. B.Sc. (Special) Degree:

Awards for best performers in areas of Organic, Inorganic, Physical and Analytical Chemistry. A certificate will be awarded to the students who obtain a GPA > 3.700 in the above areas.

Postgraduate Courses

The department has built a long tradition of excellence in research and postgraduate training. It offers research degrees (Ph.D., M.Phil.) and the following MSc. Programmes by course work.

M.Sc. in Polymer Science & Technology M.Sc. in Industrial Utilization of Medicinal & Aromatic Plants. M.Sc. /Postgraduate diploma in Industrial Chemistry

The Chemical Society

The Chemical society of University of Sri Jayewardenepura is one of the most active student societies in the university. Some of the



activities are publication of a magazine (CRUCIBLE), organizing guest lectures, Annual Award of the G C N Jayasuriya Gold Medal at the convocation, Annual Chemistry staff vs students cricket match, annual outing, raising money for book/scholarship funds.

For further advice and information, please contact;

Prof. P.M. Jayaweera Head / Department of Chemistry, University of Sri Jayewardenepura, Gangodawila, Nugegoda. Telephone: 011 2804206 / 011 2758369 /

0112758467

Prof. P. M. Jayaweera B.Sc. (USJP), Ph.D. (Belfast), M.I.Chem.C.



Professor and Head of the Department

Research interest: Photochemistry and photophysics of labile metal complexes, Excited State studies of complexes and Spectroscopic studies of metal colloids, Sols and MELLFs, Reaction Kinetics, Surface Science of Nano Materials. Dye sensitized Nano-porous photovoltaic devices.

Email - p.m.jayaweera@gmail.com

Prof. S. P.Deraniyagala B.Sc. (Colombo), Ph.D. (Dalhousie), F.I.Chem.C.



Senior Professor

Research interest: Determination of trace metals and non-metals in food and water. Development of colorimetric methods to determine Low Levels of metal ions and anions.

Email - s.p.deraniyagala@gmail.com

Prof. S. S. L. W. Liyanage B.Sc. (USJP), Ph.D. (Cardiff Wales), M.I.Chem.C., MRSC, FPRI.SL.



Professor

Research interest: Synthesis of triphosphamacrocycles, Improvement of quality of natural rubber latex, Study on degradation patterns of polymer based products, effects on nano-scale additives in Rubber compounding. Email - suda@sjp.ac.lk

Prof. L .KarunanayakeB.Sc. (USJP), Ph.D. (North
London)



Professor

Research interest: Polyurethane nano-composites, Polymer composites and blends. Use of vegetable oils and their derivatives as an additive in the polymer industry, Use of locally available tannin materials to make polymeric resins,

Email - laleen@sjp.ac.lk

Dr. K. C. P. Mahatantila B.Sc. (USJP), Ph.D. (Ottawa), F.I.Chem.C.



Senior Lecturer

Research interest : Natural Products Chemistry. Email - chulamaha@yahoo.com

Dr. C. D. JayaweeraB.Sc. (USJP),
Ph.D. (Belfast), M.I.Chem.C.



Senior Lecturer

Research interest: Trace metal analysis, Applications of chemical kinetics in Analytical Chemistry, Flow Injection Analysis. Adsorption behavior of dyes and metal in to natural absorbents. Email - champa.jayaweera@gmail.com

Dr. B. A. Perera B.Sc. (Colombo), M.Sc., Ph.D. (Wichita State University)



Senior Lecturer

Research interest: Comparison of migration behaviour of contaminants from plastic bottles to food. Cleavage of Bisnitrophenylphosphate using peptides.

Email - basirip@yahoo.com

Dr. Nilwala Kottegoda B.Sc. (Peradeniya) Ph.D. (University of Cambridge,UK)



Senior Lecturer

Research interest: Nanotechnology for agricultural applications water purification/desalination, rubber nanocomposites, encapsulation of natural/synthetic drug molecules using nanotechnology, converting natural resources into useful nanomaterials. Email - nilwalak@slintec.lk

Dr. S. D. M. ChinthakaB.Sc. (USJP),
Ph.D. (Wayne State University,
USA)



Senior Lecturer

Research interest: Identification and quantification of trace level environmental contaminant using AAS, GCMS and HPLC, use of hydrogels for environmental applications, utilization of micro extraction techniques coupled with chromatographic techniques in environmental analytical chemistry. Email - sdmchin@sjp.ac.lk

Dr. C. PadumadasaB.Sc. (Colombo),
Ph.D. (University of Oxford, UK)



Senior Lecturer

Research interests: Chemistry and biological activity studies of phytochemicals, characterization of heterocyclic compounds with pharmaceutical potential.

Email - chayanikapadumadasa@yahoo.com

Dr. N. T. PereraB.Sc. (Colombo),
Ph.D. (Louisiana State University,
USA)



Senior Lecturer

Research interests: Synthesis and spectroscopic characterization of inorganic complexes of biomedical relevance; biological cell imaging of rhenium complexes.

Email - theshi.sjp@gmail.com

Dr.M.A.B. PrashanthaB.Sc. (USJP),
Ph.D. (University of Moratuwa)



Senior Lecturer

Research interest: Synthesis of alkyd resins using locally available fatty oil and pyrolysis of locally available fatty oil, modeling the degradation of plastics.

Email - mabp426@yahoo.com

Dr. P. K. D. M. C. KarunaratneB.Sc. (USJP),
Ph.D. (Wayne State University, USA)



Senior Lecturer

Research interest : Material Science & Nano Chemistry. Email - maheshkarunarathne@yahoo.com

Dr. K. M.Thilini D. Gunasekera B.Sc. (Colombo), Ph.D. (Bowling Green Ohio, USA)



Senior Lecturer

Research interests: Smart materials: materials reactive to light, heat, mechanical energy, pH etc; Absorbing materials: oil-sorbers (absorbing polymers), hydrogels (agricultural applications, sanitary products, etc); Surfactants, green polymers: Email - thilinidkm@gmail.com

Dr. Pahan GodakumburaB.Sc. (USJP),
Ph.D. (Wayne State University, USA)



Senior Lecturer

Research interest: Sensor development to detect small molecules/heavy metals in biological systems by coupling with protein conformational change and nanoparticles. Identification of heavy metal and other toxic chemical contamination and accumulation in water, sediment, of food and their analysis. Email - pahanig@gmail.com

Dr. Ranga S. JayakodyB.Sc. (Hon. Carlton University
,Canada), Msc (UCT) PhD (UCT)



Senior Lecturer

Research interest: Computer Aided Drug Design (CADD) In silico investigation of potential biological targets for small drug molecules isolated from therapeutic herbal preparations. Computational studies of their mode of binding, binding affinities, dynamics and enhancement of their drug potency by using CADD tools.
Email - ranga.jayakody@gmail.com

Dr. Dilru R. Ratnaweera B.Sc.(Kelaniya), Ph.D. (Clemson,USA)



Senior Lecturer

Research interest: Polymer nanocomposites for energy harvesting applications, surface coatings with desired surface energies, polymer thin films, polymer micelles for encapsulating important substances, low cost carbon fibers from plant sources.

Email - dilru@sci.sjp.ac.lk

Dr. N.M.S Sirimuthu B.Sc. (USJP). Ph.D.(Queens University of Belfast, UK)



Senior Lecturer

Research interest: Nanoparticle synthesis and their applications, Electroanalytical chemistry, Raman Spectroscopy, Surface-enhanced Raman spectroscopy and ultra-sensitive detection Email - nmssiriuthu@sjp.ac.lk

Dr. Isurika Fernando B.Sc. (USJP), Ph.D. (Western Michigan University, USA)



Senior Lecturer

Research interest: Synthesis of mechanically
Interlocked molecules chemistry, and their
Applications Towards miniature electronic devices
And Controlled Drug Delivery Systems
E mail - isurika.fernando@sjp.ac.lk



Mrs. K.P. Alwis



Mr. W.M.S.K. Weerasinghe



Mrs. L.A.D.R. Ranjani



Mrs. V.R.S. Dayarathna



Miss. L.M.G. Liyanage



Mr. W.A.T.S. Weerasiri



Mr. K.D.C. Jagath



Mrs. G.W.A. Chandrani



Mr. H.G.C. Prasanna



Mr. S.K. Abeydewa



Mr. S.A. Jayantha



Mr. E.A. Nilaj



Mr. E.H.I. Madushanka



Mr. J.M.U.P. Kumara



Mr. H.N.P. Fernando



Mr. H.M.D.P. Kumara



Mr. G.G.R. Rajapaksha



Mr. H.S.S. Fernando



Mr. H.N.M. Perera



Ms. A.H. Silva



Ms. K.A.A.D. Dissanayake



A.P.G. Rukshani Ediriweera

It is nothing other than a profound honor to be the recipient of the Professor Tuley de Silva Gold Medal (for obtaining a first class with highest marks at the Bachelor of Science Special degree in Chemistry), L. A. C. Alles Memorial Award (for obtaining a first class with best performance in food science and technology units) and the CIC Award (for the best performance in Bachelor of Science Special degree in Chemistry part II examination) on one occasion. The everlasting distinctions in a person's life are the appreciations given for reaching excellence. These awards have definitely inspired me to pursue my passion for Chemistry further and contribute to the discovery of new scientific knowledge. The genuine interest towards Chemistry, dedication as well as hard work was the key to my success. I am undoubtedly privileged to be a graduate from the Department of Chemistry, University of Sri Jayewardenepura and I am exceedingly grateful to all the staff members of the Department of Chemistry, my family as well as my batch mates for their valuable support and guidance. I wish all the very best to the new comers. Make your undergraduate life a ladder which helps you climb up to new heights.



G. Kanchana Ginige

I was humbled, honored and at the same time excited to receive the "Professor W. S. Fernando Gold Medal" for obtaining the highest Grade Point Average for Physical Chemistry and Inorganic Chemistry (core and compulsory courses) in the 3rd & 4th year and a First Class Pass in the Bachelor of Science in Chemistry Special Degree Examination held in December 2014. I was not a person who only involved in studies; I participated in sports and many extra-curricular activities during my university life. Participation in such extra-curricular activities helped me to reduce the stress related to studies and manage time by working according to a schedule. I also did not postpone my work and completed them on time. I always tried to attend every lecture as much as I could. Nevertheless I am very grateful to all the lecturers in the Department of Chemistry, my family and friends for all their help and advice given to me during my academic career.

Department of Computer Science



Introduction

Computing is an essential part of 21st-century life, and is an exceptionally fast-moving subject that gives rise to a range of interesting and challenging problems. To solve these problems skill knowledgeable and versatile scientists who have a firm grasp of the fundamental concepts as well as in-depth knowledge of specific areas such as software engineering, multimedia media, intelligent systems, distributed systems, mobile technologies, networks, web services and the Internet are needed.

Computer Science and ICT at the University of Sri Jayewardenepura

The Department of Computer Science at the University of Sri Jayewardenepura is a large and growing department with exciting undergraduate teaching programs. A degree from us can prepare you for some of the newest, most dynamic and exciting careers around today and the careers of tomorrow. The department offers Computer Science as a subject for physical science undergraduates and ICT as a subject for physical science undergraduates. By choosing to study Computer Science and ICT with us, you will be well on your way to becoming a leader in the field of computing.

Currently there are about 375 undergraduates in four batches following general degree with Computer Science, general degree with ICT and special degrees in Computer Science.

Teaching methods involve a combination of lectures, tutorials, group work and practical work. The tutorials are provided in all years of the study programs. At the first year, most practical work is carried out in supervised laboratories with academic staff on hand to offer assistance. In the more senior years, most of the practical work is carried out independently with consulting assistance available at specified times.

At the University of Sri Jayewardenepura, we are dedicated to the education and development of leaders in the computing industry.

Degree programs offered by the department

B.Sc. General Degree with Computer Science as a subject

B.Sc. Special Degree in Computer Science B.Sc. General Degree with ICT as a subject

Goals and learning outcomes of course units, course contents, methods of assessments, handouts, past question papers, details on recent research activities, postgraduate programs etc. are available at our website www.cs.sip.ac.lk.

Awards

The following medal is awarded for the best performance in Computer Science.

Virtusa Gold Medal:

This medal is awarded to the student who obtains highest GPA at the B.Sc. Special degree in Computer Science.

Postgraduate Studies

Computer Science is a dynamic and continually expanding subject, and DCS at SJP is committed to excellence in its teaching and research. Our postgraduate study will enable you to explore the full breadth and depth of this dynamic discipline.

The Department of Computer Science offers postgraduate programs of study leading to the:

- Post graduate diploma in Computer Science
- · Master of Computer Science
- · Master of Philosophy (M.Phil.)
- Doctor of Philosophy (Ph.D.) degrees in Computer Science.

Post graduate diploma in Computer Science

The Postgraduate Diploma in Computer Science is a professional qualification for graduates with a background in computing. It is particularly suitable if you are working in areas related to computing and wish to bring your expertise up to date with developments in this fast changing field. As research project is not compulsory, the postgraduate program will appeal to students wanting for postgraduate course-work qualification.

Master of Computer Science

The Master of Computer Science is a master's degree centered on course work completed over two years including research work. This is designed to broaden understanding and knowledge of computing science, and enhance the ability to apply this within industry or commerce. Also in addition to gaining an indepth knowledge of state-of-the-art technologies, it also develops further the competence and ability to apply them in your own working environment.

Master of Philosophy (M.Phil.)

The Master of Philosophy is a research based degree, in which students develop research skills that will be invaluable for further work in a research environment and it aims to provide preparation appropriate for undertaking a Ph.D. program in computer science. The M.Phil.degree has a status higher than that of other masters' degrees, but lower than that of the PhD degree. Students are expected to make a significant contribution to knowledge in the field of study.

Ph.D. (Doctor of Philosophy)

The Ph.D. program in Computer Science is a research degree granted primarily on the presentation of a substantial research achievement which involves three to four years of original research work. A Ph.D. is generally required by those people seeking careers in a university or research laboratory.

Memberships

Currently the department has the membership for Advance Computer Science program in Oracle Academy Sri Lanka.

The Society of Computer Science

The Society of Computer Science, which was formed In 2000, is one of the



Leading and most active student societies in the university. It is the only society in the university that is dedicated to Computer Science.

Goals of the Society are to promote Computer Science and ICT as a subject, conduct

Workshops, Seminars, Lectures and Field tours related to Computer Science and ICT, and improve the level of knowledge on cyber technology among students and prepare them for the future challenges.

The activities conducted in 2015 include
Aurora - the Annual conference on Computer
Science: A conference for undergraduates and
school students, Back to school session: The
SCS goes back to school and help students to
uplift their knowledge in areas of computer
science and ICT, Guest lectures and workshops
for undergraduates to improve their knowledge
in trending topics in computer science and ICT,
and Annual Inter-faculty Gaming Competition.
Our achievements: Google student Ambassador
for year 2014; Google Anita Borg Memorial
Scholarship for the year 2014
For more information:

http://www.cs.sjp.ac.lk/scs/

For further advice and information, please contact:

Dr. Ananda Edirisuriya

Head/Department of Computer Science University of Sri Jayewardenepura, Nugegoda

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Dr. Ananda Edirisuriya B.Sc. Special (Math.)(USJP, SL), PG Dip. (Stat.)(SL), M.Sc. (Comp. Sc.)(China), Ph. L. (Comp. & SyS. Sc.)(Sweden), Ph.D. (Comp. & SyS. Sc.)(Sweden)



Senior Lecturer and Head of the Department

Research Interests: Model driven approaches for Enterprise Information Systems Engineering. Email - ananda@dscs.sjp.ac.lk

Prof. R.G.N. Meegama B.Sc. Special (Comp. Sc.)(Colombo), M.Sc. (Comp.Sc.)(AIT, Thailand), Ph.D. (Comp. Sc.) (Singapore)



Professor

Research Interests: Computer Networks, Image Precessing, Mobile Computing, Computer Graphics. Email - rgn@dscs.sjp.ac.lk

Ms. G. S. Makalanda B.Sc. Special (Math.)(USJP, SL), M.Sc.(Stat.)(USJP, SL), M.Sc.(Comp. Sc.)(UK)



Senior Lecturer

Research Interests: Software Design and Implementation, Multimedia Systems and Internet Programming.
Email - gnanakanthi@dscs.sjp.ac.lk

Mr. Ananda Gamini B.Sc. Special (Math.)(USJP, SL), M.Sc. (Comp. Sc.)(AIT, Thailand)



Senior Lecturer

Research Interests :Artificial Intelligence and Theoretical Computer Science. Email - gamini@dscs.sjp.ac.lk

Dr. T.G.I. Fernando B.Sc. Special (Math.) (USJP, SL), M.Sc. (Industrial Mathematics) (USJ, SL), M.Sc. (Comp. Sc.) (AIT, Thailand), Ph.D. (Intelligent Systems) (UK)



Senior Lecturer

Research Interests: Intelligent Systems, Evolutionary Computing, Swarm Intelligence, Machine Learning and Multi-objective Combinatorial Optimization. Email - gishantha@dscs.sjp.ac.lk

Dr. Prasad M. Jayaweera B.Sc. Special (Comp. Sc.)(Colombo), Ph.L. (Comp. & Sys. Sc.) (Stockholm), Ph.D. (Comp. & Sys. Sc.)(Stockholm)



Senior Lecturer

Research Interests: Motivation Modeling, Information Systems Engineering, e-Commerce Systems Designing, and Health Informatics. Email - pja@sjp.ac.lk

Ms. Rangika Silva B.Sc. Special (Comp.Sc.)(USJP,SL), M.Phil.(Bioinformatics)(UOM,SL)



Lecturer (Probationary)

Research Interests : Machine Learning and its Applications in Computational Biology. Email - rangika@dscs.sjp.ac.lk

Mr. Dilum Perera
B.Sc. Special (Comp.Sc.)(USJP,SL),
M.Phil.(Comp.Sc.)(USJP,SL)



Lecturer (Probationary)

Research Interests :Sensor Networks, Embedded Systems and Configurable Hardware . Email - dilum@.sjp.ac.lk

Mr. Kasun Kosala Jinasena B.Sc. Sp (USJP), BIT (Colombo), MSC (Colombo)



Lecturer (Probationary)

Research Interests: Computer Security Interactive Medical Imaging Applications Mobile and Web Technology, Data Mining Email - kasunkosala@yahoo.com

Ms. M.C. Weerawardana



Instructor

E mail - chanduwm@sci.sjp.ac.lk

Mr. D.A.P Peiris



Instructor

E mail - asanka@sci.sjp.ac.lk



Mr. Ishara Dharmakeerthi



Ms. Tharuka Chandrarathne

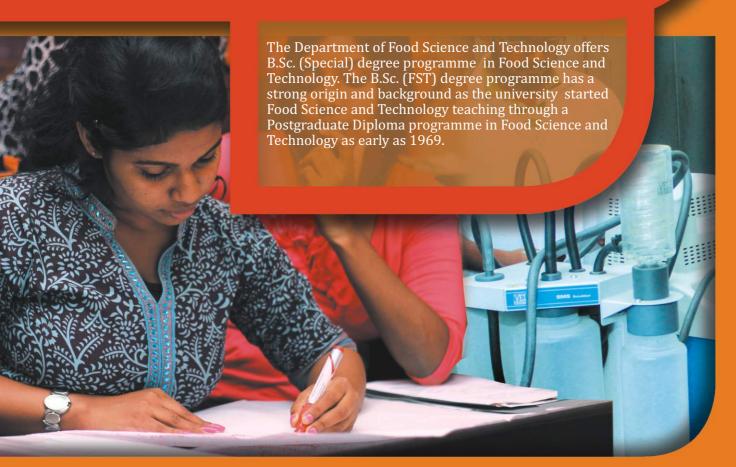


Mr. M.V.S.Perera



Mr. N.A. Ferdinands





Strategic Intent of the Department of Food Science and Technology

To become a centre of excellence in higher learning in Food Science and Technology and Nutrition which disseminates knowledge in keeping with the development needs of the country and requirement of the region for related professionals

Being closer to Colombo, the department has comfortably established collaborative links with major and small scale institutions of the food sector. Therefore, undergraduates have great opportunities to get themselves exposed to many food related industries for field trips, Industrial/Research/Field placement etc. In addition, the department is in position to invite experts working for the relevant private sector institutions in conducting lectures, seminars, workshops and practicals.

Intended Learning Outcomes of the course

On the completion of the degree programme successfully, students should have,

- 01. Wider knowledge and conceptual understanding of areas of Food Science and Technology
- 02. Ability to perceive the behaviour of the food sector institutions dealing with food manufacture and related services

- 03. Technical and intellectual skills to gather data/information and critically analyze the needs of local and international food sector
- 04. Learnt the way of searching new knowledge through research
- 05. Developed a range of transferable skills, which are useful in decision making with regard to food resource matters such as handling data/information and interpretation, computer literacy, information management, teamwork, oral and written presentation/ communication etc.
- 06. Built self-confidence for independence, self-motivation for life-long-learning in the relevant field and go for postgraduate studies.
- 07. Qualified to commence professional practice in food industry and related academic and research and development institutions.

The B.Sc. degree in Food Science and Technology has been designed to enable the prospective FST graduates to be able to demonstrate excellence in all subject related practical skills and apply both theoretical knowledge and related practical skills acquired appropriately in different situations. It is also expected that they will develop their technical competencies in order to be fitting to any challenging situation in the Food Industry. The abilities and skills expected to transfer to the prospective FST graduates through the degree programme include

Generic Skills, Numeracy skills, Communication skills (with special emphasis on scientific communication), Information and communication technology (ICT) skills, Interpersonal/teamwork skills, Self management and professional development skills.

The FST degree programme offered by the Department of Food Science and Technology has been designed to help the student in achieving the following,

- 01. Develop the knowledge, skills and attitudes based on a broad and multi-disciplinary approach in order to fulfill the current and emerging needs in local, regional and international food sector.
- 02. Develop the knowledge, skills and attitudes through theoretical, laboratory and out-door/field practical components in experiencing the real world practices in the field to establish and manage socially acceptable, economically viable and environmentally friendly food industries.
- 03. Identify problems and issues related to the food industry and conduct independent research in order to find the most appropriate solutions.
- 04. Develop ICT skills
- 05. Develop interpersonal, teamwork and leadership skills.
- 06. Develop self management and professional development skills
- 07. Maintain a acceptable moral conduct

In addition to the special degree programme the food science subject is offered to the new developed applied science general degree programmer.

Association of Food Science and Technology (AFST)

The Association of Food Science and Technology (AFST) is made of a collection of enthusiastic, skilled and dynamic undergraduates who



Work hard every day for the progress of the field of Food Science and Technology with a high degree of professionalism, and develop and fine tune their skills through their hard work. The AFST was established on the 11th of January, 2007 and the membership of the association is available for any undergraduate who follows the degree of Food Science and Technology at University of Sri Jayewardenepura.

Members of AFST come across many opportunities every year to increase their subject knowledge, develop contacts and gather more information about the vastly expanding and improving industry. One such event is Pro Food Pro Pack Exhibition which is the largest International Food Exhibition in Sri Lanka where our University has been able to win more than 8 awards through these years competing with other Universities and Industries. In addition there are many events organized by the AFST, such as fun match and annual trip, awareness programmes on World Food Day, Vidujaya Exhibition in 2009, Food Nights, Sankalpana in 2011, Arunella in 2012 and have also taken part in massive events like Dayata Kirula 2014.

Web address - http://www.sip.ac.lk/sites/foodscience/

For further advice and information please contact;

Dr. M.A. Jagath WansapalaHead / Department of Food Science and Technology,
University of Sri Jayewardenepura,

Gangodawila, Nugegoda.

Telephone : 011 2801075 011 2758468

Dr. M. A. Jagath Wansapala B.Sc. (Hons) USJP, M.Sc.(USJP), Ph.D. (USJP).



Senior Lecturer and Head of the Department

Research interest: Food Chemistry, Preservation Technology, Fruits and Vegetable Process Technology, Product Formulation and Analysis. Email - majwperera@yahoo.com Jwansapala@gmail.com

Prof. K. K. D. S. Ranaweera M.Sc, Ph.D. (Academy of Sciences, USSR), Fellow Post Doc(UK)



Professor

Research interest: Food Processing and Post Harvest Sciences, Functional Foods. Email - kkdsran@yahoo.com

Dr. (Ms.) Indira Wickramasinghe B.Sc (Hons) Peradeniya, M.Sc. (USJP), Ph.D. (USJP).



Senior Lecturer

Research interest: Fish and Meat Science and Technology, Metals and Metal Availability in Fish Hydrolysates. Email - indiraw@sjp.ac.lk indiraw2002@yahoo.com

Dr. J. M. J. K. Jayasinghe B.Sc.(Agri)Peradeniya, M.Sc.(Fd.Sc.& Tech., USJP) Ph.D.(Agri. Econ. Tokyo)



Senior Lecturer

Research interest: Food/Agricultural Marketing, Food Business Management, Agricultural Economics. Email - jcy6199@yahoo.com

Dr. S. B. Navaratne B.Sc.(Agri)(Hons) Peradeniya, M.Phil(Ruhuna), Ph.D. (Ruhuna)



Senior Lecturer

Research interest: Cereal Science and Technology, Bakery Science and Technology, Fat and oil Technology. Post Harvest Technology. Email-sbnaval1234@yahoo.com

Dr. R. A. U. J. Marapana B.Sc (Agric) Hons Peradeniya, M.Sc.(Fd. Sc. & Tech,US)P), Ph.D (Southern Yangtze, P.R. China)



Senior Lecturer

Research interest: Dairy Technology, Food Processing & Preservation, Feed Technology.
Email - umarapana@yahoo.com

Dr. (Mrs.) Mihiri VanniarachchyB.Sc (Hons) Engineering (Moratuwa),
Ph.D (Ishikawa Pretectuml University
Japan)



Senior Lecturer

Research interest: Food Engineering, Environmental Engineering, High quality concentration to liquid food. Email - mihiripg@gmail.com

Mr. R.M.I.P. Ratnayake B.Sc Special (Stat.) (Peradeniya)



Probationary Lecturer

Research interest : Bio Statistics Email - isururatnayake089@gmail.com **Mr. Madhura Jayasinghe** B.Sc (Sp) Fd Sc & Tech (USJP), Reading for Ph.D



Probationary Lecturer

Research interest: Plant based Food Production Technologies, Applied Human Nutrition E mail - madhuratims@yahoo.com

Scientific Assistants

Dr.(Mrs.) Rupika perera B.Sc (OUSL), M.Sc. (USJP), Ph.D. (USJP)



Scientific Asistant

Research interest: Antiglycatins and antioxidants of foods Products Technology, Food Preservation.
E mail - rupika.perera@yahoo.com

Dr.(Mrs.) Suraji Senanayake B.Sc (Colombo), M.Sc. (USJP), Ph.D. (USJP)



Scientific Asistant

Research interest : Starch science LCA & sustainable development. E mail - Surajisena@gmail.com



B.C.K. Karunarathna



A. Muthumanike



D.P. Rupasinghe



A.M.C.S. Alahakoon



H.M.I.K. Herath



Nadeesha Gunaratne

The Food Science and Technology degree programme offered at the University of Sri Jayewardenepura was a great phase in my educational life as not only did it shape me for the future challenges ahead in my life but the whole journey across the 4years in itself was amazing, both from an educational and personal level. One of the greatest facets of the programme was the highly skilful panel of lecturers. I can actually say that no matter how much professionalism they exert, they still give off that sense of friendliness. Commitment, sacrifice, punctuality, dedication and hard work have helped me immensely to achieve the success in my academic carrier and obtain a GPA of 4.0 out of a total GPA of 4.0 with a First class honours. Key to my success was that I have worked according to a schedule and have always balanced studies and extracurricular activities. I am deeply honoured to be a graduate from the Department of Food Science and Technology, University of Sri Jayewardenepura and wish all the new comers the very best for a bright future.



G.I. Pavithrani Silva

Dedication, commitment, sacrifice and passion in what you do lead to substantial accomplishments in life. No matter the extent of frontiers, if the goal is set, such personality is sure to grab the opportunities that come along their path. The university education of any sort, be it curriculum or extra curriculum, societal understanding and building up empathy, ensures this shaping up of future young talents and molding such personalities into better prospects of life. Food Science and Technology was my platform to build up to the said level of accomplishment, and I'm more than happy to be a proud member of the Food Family who has achieved desires, dreams and goals in every possible way. Hail USJP-AFST.!!

Department of Forestry and Environmental Science



Department of Forestry and Environmental Science

The forestry education in the University of Sri Jayewardenepura has a history of more than 25 years. Department of Forestry and Environmental Science is the only one of its kind in Sri Lanka which offers both undergraduate and postgraduate courses in Environmental Management and Forestry. Especially through its postgraduate program, the department has been able to reach wide horizons in training professionals in both government and nongovernment sectors who are capable of contributing effectively to the country's development process. About 500 professionals have been trained up to 2012, many of whom are employed in forestry and environmental sectors.

Mission of the Department

To assist in sustainable management of natural resources and environment through manpower and knowledge development.

Resources

Among the many facilities of the department, a fully equipped auditorium and lecture rooms with audio-visual facilities and a computer center can be highlighted. There are greenhouses for practical work. The department manages 100 acres of Forest Reserve and Field Research Center at Yagirala, which offers opportunities to study and practice Forest Management, Biodiversity and Ecotourism.

Objective of the Course

To develop decision making knowledge and skills required to manage forest resources and the natural and man-made environment

Field / Factory Assignment (Internship)

In the third year, students are placed in a selected institution for field / factory assignment (internship). This is intended to provide students with an opportunity to acquire knowledge of a "real work" environment. This program has made our graduates more employable in the previous years.

Postgraduate Degrees

The Department offers the following programs at postgraduate level.

- • M.Sc. Degree in Forestry and Environmental Management
- · M.Phil. and Ph.D. Degrees by research

M.Sc. Degree in Forestry and Environmental Management

The overall objective of this course, which has been offered since 1983, is to develop decision-making knowledge and skills required to manage forests and other natural environmental resources and to prevent and control environmental pollution. The target groups for this programme are those who are already employed in forestry, environment and natural resource management sectors and others who wish to pursue careers in the above sectors.

M. Phil and Ph.D. Degrees by Research

The department enrolls students for M. Phil and Ph.D. degrees by research in areas within the specialization and research interests of the staff.

Departmental Research

Research in the Department carried out by staff, special degree students and postgraduate students cover a wide range of topics relevant to Forestry and Environment Science and management. This includes research in silviculture, forest ecology, wood science and timber technology, agroforestry and social forestry, tree improvement and propagation, forest management, wildlife management, forest economics, pollution control, waste management etc.

Several collaborative research projects have been conducted with foreign universities such as University of Bangor, UK; Yale University, USA; University of Calgary, Canada, other governmental agencies, industry, national and international NGOs with a view to provide and more pragmatic and realistic approach in solving problems.

Other Collaborations

The department maintains close collaborations with other institutions in forestry and environment. Every year opportunities have been provided for two Range Forest Officers of the department to follow the Bsc Degree programme with Environmental Management & Forestry as a subject.

Further Training/Workshops

Apart from the regular training programs conducted by the department, short-term training workshops are also being conducted targeting relevant government and non-government officials, personnel from the industry and others on a variety of subject areas of mutual interest to both parties.

Role of the Department in Natural Resource Management

The department also plays an imporant role in national development by its contribution to national and international activities. One such activity which has gained international recognition is the Annual Forestry and Environment Symposium which is being held for the 19th consecutive time this year. The academic staff of the Department serves in national committees, conducts environmental assessments for national and international projects and provides advice to the government as well as private sector in the fields of forestry and environment. The staff also liaise closely with the forestry and environment related institutions and carries out research solely and in collaboration with other institutions in fields of great importance. The department is also heavily engaged in dissemination of knowledge among the general public and personnel in other sectors.

Center for Sustainability

The Center for Sustainability (CFS) is a body for professional environmental services, research and extension attached to the Department of Forestry and Environmental Science. A variety of services including environmental consultancy and advisory services, short courses and training programs on environmental management and sustainability are offered, especially for the corporate sector.

Web: www.sustainability.sjp.ac.lk Telephone: +94 11 2758414

Fax: +94 11 2802937

E mail: sustainability@sjp.ac.lk

Forestry and Environment Society

Forestry and Environment Society is one of the leading student societies in the university. The society organizes both intra-curricula and extra-curricula activities such as field trips, training programs in Yagirala Field Research Centre, workshops, lectures, film festivals and social service activities.

The main objective of the society is to enhance different skills of members while nourishing them with current knowledge in the field.

Awards

The following awards are made to students who perfom exceptionally well in their studies.

1. Jayantha Pathberiya Scholarship

This scholarship is awarded to the student who obtains the highest average marks for Environmental Management & Forestry in the 1st and 2nd academic years of the B.Sc. Degree.

2. Environmental Management & Forestry Gold Medal

This medal is awarded to the student who obtains a First Class Pass with the highest GPA at the B.Sc. (Environmental Management & Forestry) Special Degree.

For further advice and information, please contact:

Dr. Prasanthi Gunawardena

Department of Forestry and Environmental Science University of Sri Jayewardenepura, Nugegoda

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Web Sites : www.science.sjp.ac.lk/fes

Dr. (Mrs.) Prasanthi GunawardanaB.Sc. (Hons),
Ph.D. (Edinburgh),
M.I.Biol (Sri Lanka)



Senior Lecturer and Head of the Department

Research interest: Environmental and Resource Economics, Ecological Economics, Natural Resource Management, Environmental Policy. Email - prasnth@sjp.ac.lk

Prof. B. M. P. Singhakumara B.Sc. (Hons), D. Phil. (Oxon.)



Professor

Research interest: Tropical Forest Ecology, Tree Diversity and Systematics, Restoration Ecology, Conservation Biology, Silvics of Rain Forest Trees. Email - balangodasingha@gmail.com

Prof.(Mrs.) Hemanthi Ranasinghe B.Sc. (Hons), M.Sc. (USJP), Ph.D. (Wales), C.I.Biol. (Sri Lanka)



Professor

Research interest: Silviculture and Plantation Forestry, Biodiversity, Agroforestry and Social Forestry, Tree Improvement, Environmental Assessments and Monitoring and Evaluation. Email - hemanthi.ranasinghe@gmail.com

Prof. Hiran Amarasekera B.Sc. (Hons), Ph.D. (Wales), C.I.Biol., F.I.Biol (Sri Lanka)



Professor

Research interest: Wood Science, Timber Technology, Forest Based Industries and Forest Biology. Email - hiran@sjp.ac.lk Prof. (Mrs) Nilanthi Bandara B.Sc. (Hons), M.Sc.(Hons) (India), M.E.Des (Canada)



Professor

Research interest: Environmental Impact Assessment, Pollution Control and Waste Management. Email - nilanthi.bandara2@gmail.com

Dr. Upul Subasinghe B.Sc. (Hons), Ph.D. (Wales), C.I.Biol (Sri Lanka)



Senior Lecturer

Research interest: Forest and Forest Plantation Management, Forest Certification, Natural Resource Modelling, Natural Products of Forest Trees. Email - upul.forestry@gmail.com

Dr. Priyan Perera B.Sc.(Hons), M.Sc. (Env.Sicence), M.Sc.(Forestry), Ph.D(Louisiana State, USA)



Senior Lecturer

Research interest: Ecotourism, Biodiversity, Wildlife, Sustainability Certification and Forest Certification.
Email - priyan@sjp.ac.lk

Dr. Daham Jayawardana B.Sc. Sp.(Geology), M.Sc. (Japan),Ph.D.(Japan)



Senior Lecturer

Research interest: Geology, Soil Science, Trace Element Mobility in Water and Soil, Geographical Information System. Email - taranga23@gmail.com

Mr. Thilak Chandratilake B.Sc. (Hons)



Lecturer

Research interest : Water Resource Management, Forest Hydrology Email - thilakawansha@gmail.com

Ms. Chamila Pathirana B.Sc. (Hons)



Probationary Lecturer

Research interest: Water Quality Analysis, Air Pollution Email - chamila@sci.sjp.sc.lk



Mr. I. D. Wijesinghe



Mr. S. A. Watthasinghe



Mr. P. D. L. Subasinghe



Ms. T. M. Herath



Mr. G. W. Gettler



Mr. D. R. Dharmarathna



Mr. G.R.P. Fernando



Mr. I.L. Ashok Nishantha



Mr. M.S. Perera



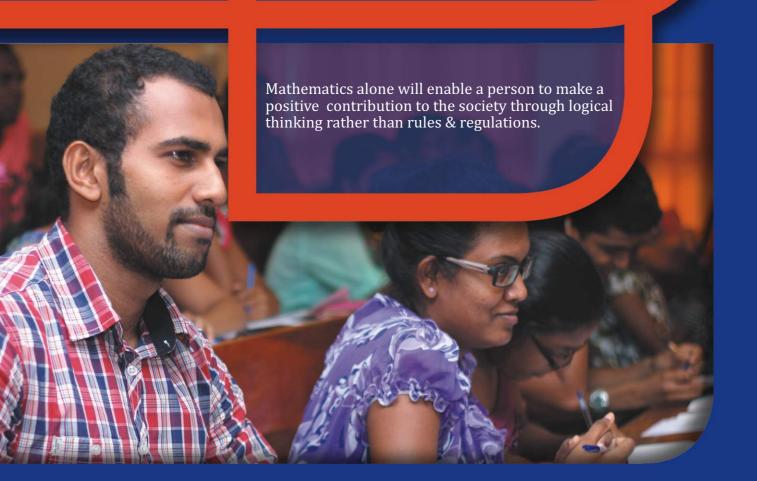
Mr. G.D.N.P. Gamage

I am so honored and privileged, having awarded "Forestry and Environmental Science Gold Medal" at the 41st University Convocation held in 28th July 2015 for obtaining a First Class Pass with highest GPA at the Bachelor of Science in Forestry and Environmental Science (Special) Degree. I was blessed with the expected capacity to do academic work as well as extracurricular activities while I was pursuing my studies. I was an active member of different departmental and university clubs and associations yet I made it a point to attend lectures that helped me to achieve this medal in greatest ways. Hereby I wish to record my heartfelt gratitude to my Almighty Lord, all my erudite lecturers, my beloved family members and my loving batch mates who in numerous ways assisted me in all my endeavors to be what I am today. The four years of study in the university has undoubtedly broadened my horizons of knowledge and my outlook to be a fruitful citizen in this country of ours.



B.K.A.P.S. Rodrigo

Department of Mathematics



Mathematics is the "Queen of Sciences".

Scientific and industrial progress in recent years have made Mathematics one of the most important subjects of our time. In modern times, being versed in the language of mathematics helps one to make progress in day to day life. More than its role as a mere language Mathematics has now found an increasingly significant influence in many diverse fields, from management to medicine. An undergraduate degree in Mathematics will open the way to a future filled with wide opportunities for jobs and professions. Mathematics related professionals such as Actuarial Scientists, Accountants, and Statisticians are quite high in demand worldwide.

Furthermore, Mathematics alone will enable a person to make a positive contribution to the society. Mathematics is, in addition to being the language of science in its own right, a way of logical thinking rather than rules and regulations.

Degree Programmes offered by the department

- General Degree
- Special Degree
- Postgraduate Diploma/M.Sc. Programs

Postgraduate Diploma/M.Sc. Programs

Being the first Faculty of Applied Science of the country and realizing the potential of graduates with a strong mathematical background, we launched the first Postgraduate Diploma/M.Sc. program in Industrial Mathematics in Sri Lanka, in 1996.

Computer Technologies and Facilities

Though the Department of Mathematics has only a handful of academics, we are fortunate to have a sound blend of both 'Pure' and 'Applied' Mathematicians. As a result, the programs and courses of the Department of Mathematics are designed to cater to students, who are either strong in abstract thinking or more applied oriented. As there is a high demand for Computational Mathematics, the department has introduced a practical component each to most of the Mathematics course units in the department with the students having access to a well-equipped computer laboratory.

There is a good collection of books on Mathematics in the main library, covering almost all sections of Mathematics. We strongly advice the students to refer these books whenever possible. Mathematics is an exciting field, which is not difficult to grasp, contrary to the view of the general public, and the lecturers in the department of Mathematics are willing, to help the students with their academic work and to guide them on other matters.

Career Opportunities in Mathematics

What can you do with a degree in Mathematics? Almost anything! As our world and economy become more and more science and technology-oriented, there is an increasing demand for people with sharp critical thinking skills in Mathematics. The Mathematics Department offers both undergraduate and postgraduate programs at the master degree level that prepare students for a wide range of careers, including employment in government and private sector, Banks, industry, teaching careers and preparation for postgraduate studies.

The Mathematics Society

It was on March 31, 2011; that the Mathematics Society was founded with the vision of fostering an awareness and Appreciation of mathematics and its connection to other disciplines and everyday life. The society representing all the mathematics students in the university, not only provides an opportunity for students to meet the lecturers and seniors to share their experiences in research and leadership qualities, but also organizes seminars for school children (especially Combined Mathematics seminars for A/L students) under the guidance of lecturers in the Department of Mathematics.

All the efforts of the society directed in promoting mathematical understanding and skills, are manifested via its official web page.

For further advice and information, please contact:

Dr. R. Sanjeewa

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Dr. R. Sanjeewa B.Sc.(USJP), M.A. , Ph.D.(Oakland, USA)



Senior Lecturer and Head of the Department

Research Interests: Algebraic curves, Invariant Theory, Visual Group Theory. Email - sanjeewa@sjp.ac.lk

Prof. (Mrs.) Sunethra Weerakoon B.Sc. (Peradeniya), M.A., Ph.D. (Penn State, USA)



Senior Professor

Research Interests: Numerical Analysis, PDEs Email - sunethra.weerakoon@gmail.com

Mrs. T. P. de Silva B.Sc. (Ceylon), M.Sc. (Monash,Australia)



Senior Lecturer

Research Interests: Number Theory & Graph Theory. Email - tamara@sjp.ac.lk

Dr. (Mrs.) Menaka Liyanage B.Sc. (USJP), M. Math (Waterloo, Canada), Ph.D. (McMaster, Canada)



Senior Lecturer

Research Interests: Abstract Algebra Email - menakaliyanage@yahoo.com

Dr. (Ms.) R. P. K. C. M. Ranasingha B.Sc.(Kelaniya), Ph.D.(HW, Edinburgh, UK)



Senior Lecturer

Research Interests : Statistical Mechanics, Random Surfaces Email - ranasinghe@sjp.ac.lk

Mr. K. K. W. A. Sarath Kumara B.Sc. (Colombo), M. Phil (USJP)



Senior Lecturer

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Dr. G. H. J. Lanel B.Sc. (OU), M.Sc.(USJP),M.A., Ph.D.(Oakland,USA)



Senior Lecturer

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Dr. N. C. Ganegoda B.Sc.(USJP), Ph.D. (USJP)



Senior Lecturer

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Mrs. D. S. Rodrigo B.Sc.(USJP), M. Phil (USJP)



Senior Lecturer

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Mr. G. J. K. Silva B.Sc.(Colombo), M.A. (Toledo, USA)



Lecturer

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Ms. M.T.M. Perera B.Sc.(USJP)



Probationary Lecturer

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Mr. B.V.N.C. Vidange B.Sc.(USJP)



Probationary Lecturer

Research Interests: Number theory, Abstract Algebra. Email - chathurangav7@yahoo.com



Mr. J. A. G. S. N. Jayasinghe



Mrs. P. R. Chathurani



Mr. B. C. Perera



Mr. H. M. Bandula



Hiruni K. Pallage

It is hard to express the feelings I had in receiving both the Dr. Sirimathie Wewala Scholarship and the Gold Medal, but I can definitely say that I was honored beyond words. The award which represents the recognition of the many hours I spent to better understand the fundamentals of mathematics and my perseverance, also provided the financial means to pursue my professional goals. As the famous mathematician Sir Isaac Newton once said, "If I have been able to see further, it was only because I stood on the shoulders of giants." In response to the University of Sri Jayewardenepura for this award, I acknowledge the immense respect for the lecturers who allowed me to grow, develop, and question the integrity of concepts too many times. While being a tribute to all the people who helped me, the award further inspired me to reciprocate by continuing my academic pursuits in the field of mathematics by striving for a better world through scientific knowledge.





Introduction

Physics is a dynamic discipline where new knowledge, applications and technologies are born every day. A degree in physics offers you the ability to stay ahead in the competitive world by offering you not only the subject knowledge but also the right tools to be creative and to think differently. It equips you with the analytical and personal skills that are essential for personal development, for whatever path you decide to take in the future.

The Department of Physics at the University of Sri Jayewardenepura offers courses that integrate both the foundational knowledge and the recent advances of the field, thereby ensuring students gain knowledge across the breadth of the discipline. Additionally, optional courses are offered in specialized subject areas that enable students to follow industrial aspects of physics. Not limited to the technical know-how of the field, students are also offered optional courses to help develop their soft skills such as presentation, communication and organizational skills.

Hands-on learning is offered through the various laboratories at the department. These include an Elementary Laboratory, Optics Laboratory, Electronics Laboratory, Applied Physics Laboratory, Embedded Systems and Robotics Laboratory, Computational Laboratory and Advanced Physics Laboratory. The department also has a workshop equipped with machinery and instruments.

Degrees offered by the Department

B.Sc. (General) Degree programme with Physics as a subject

 $B.Sc. \ (General) \ Degree \ programme \ with \ Applied \\ Physics \ as \ a \ subject$

B.Sc. (Special) Degree in Physics

Special Degree students are provided with the opportunity to apply their knowledge and gain industrial experience through an Industrial Placement scheme. Previous industrial placements include,

ITI, Atomic Energy Authority, ACCIMT, SLSI, Petroleum Resources Development Agency and CEA.

Postgraduate Level

The Department accommodates M.Phil. and Ph.D. students. Present Postgraduate projects are centered on Geophysics, Digital Electronics and Mathematical and Computational Physics.

Awards

The most outstanding student at the B.Sc. Special Degree in Physics is awarded with the Prof. P.C.B. Fernando memorial prize each year.

The Physics Society

The sharing of knowledge is not limited to the course material. The Physics Society is an active organization which Organizes exhibitions, film

Festivals and popular talks that make the student life at the Department more vibrant and exciting. The Department also organizes seminars and informal discussions on topics such as Science, Religion, Literature and Philosophy through its Popular Science Gossip Programme.

For further information please contact:

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Dr. P. Geekiyanage B.Sc. , M.Phil. , Ph.D. (USJ)



Senior Lecturer and Head of the Department

Research Interests: Geophysics, Physics Education. Email - geekiyan@sjp.ac.lk

Prof. (Mrs.) C. P. Abayaratne B.Sc. (USJ), M.Sc. (Bowling Green), Ph.D. (Toledo)



Associate Professor

Research Interests: Nonlinear Optics, Computational Physics. Email - cmpala@sjp.ac.lk

Mr. M. G. C. Peiris B.Sc. (Sri Lanka), PG. Dip. Stat (Sri Lanka), M.Sc. (USJ)



Senior Lecturer

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Dr. W. D. A. T. Wijeratne B.Sc.(Col), Ph.D. (Wayne State)



Senior Lecturer

Research Interests: Environmental Issues, Studies in Sustainability, Philosophy of Science Email - agraw@sjp.ac.lk

Dr. C. L. Ranatunga B.Sc. , M.Phil. (USJ), Ph.D. (Col)



Senior Lecturer

Research Interests: Industrial Materials, Industrial Processes, Vibration effects on postharvest agricultural products. Email - clrant@sjp.ac.lk

Dr. D. N. JayawardaneB.Sc. (USJ),
Ph.D. (Cambridge)



Senior Lecturer

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Dr. M. M. P. M. Fernando B.Sc. , Ph.D. (USJ)



Senior Lecturer

Research Interests: Geophysics, Mathematical and Computational Physics, Theoretical Physics, Power Electronics, AC Theory, Space Physics, Physics of Music, Buddhist Philosophy Email - pmadhuranga@sjp.ac.lk

Dr. N. G. S. Shantha B.Sc. (USJ), M.Sc., Ph.D. (Tohoku)



Senior Lecturer

Research Interests: Seismology, Computational Physics, Wave Propagation, Subduction zone earthquakes. Email - sng@sjp.ac.lk

Dr. (Mrs.) S. JayawardhanaB.Sc.(Col.),
Ph.D. (Swiuburna)



Senior Lecturer

Research Interests: Nanotechnology, Spectroscopy, Fibre optics, Photonics.
E mail - sasanijay@sci.sjp.ac.lk

Dr. (Mrs.) M. L. C. Attygalle B.Sc. (Col), Ph.D. (University of Toledo)



Senior Lecturer

Research Interests: Theoretical modeling of photovoltaic junctions, Condensed matter physics, Material science, Theoretical physics, Physics Education
E mail - lattygalle@sci.sjp.ac.lk

Dr. W. K. I. L. Wanniarachchi B.Sc. (USJ), M.Sc., Ph.D. (Wayene State), MIEEE



Senior Lecturer

Research interest: Computer Vision, Embedded Systems, Computational Physics, Electronic Structure, Bio-signal Processing.

E mail: iwanni@sjp.ac.lk

Mrs. D. K. Abeywardane B.E, M.E(Auckland)



Lecturer (Probationary) (on study leave)

Research Interests: Sensor applications, Embedded systems, Power electronics.
E mail - Dulsha@gmail.com

Mr. R. A. D. D. Dharmasiri B.Sc. (USJ), M.Sc.(Colombo)



Lecturer (Probationary) (on study leave)

Research Interests: Wireless Sensor networks, Embedded System Designing, FPGA-Development. E mail - dhann@sjp.ac.lk

Mrs. S. Kandeepan B.Sc., M.Sc.(Pera)



Lecturer (Probationary) (on study leave)

Research Interests: Nanomaterials and Nanotechnology, Microscopy and Material Science. E mail - ssivayini@yahoo.com

Mr. K. S. Mannatunga B.Sc. (USJ), M.Sc. (Colombo)



Lecturer (Probationary)

Research Interests: Embedded System Designing, Open source platforms programming, FPGA-Development. E mail - ksm@sjp.ac.lk

Mr. C. H. Mannathunga B.Sc. (USJ), M.Phil. (OUSL)



Lecturer (Probationary)

Research Interests: Electrical Power, Embedded System Design, DSSCS- with P type semiconductor materials, Radio Tranmission. E mail - chandimavc@sjp.ac.lk



Mr. A.M. Wimalasena



Mr. R.W.P. Sanjeewa



Mrs. H.M.R.N Amarathunga



Mr. U. V. V. P. Balasuriya



Miss. K. A. D. S. L. Jayewardena



Miss. K.R.D.K. Kendakumbura



Mr. M.K. Gallage



Mr. J.K.D.H.G Jayanetthi



Mr. K.M.B.L. Piyarathne



Mr. R.D. Thushara



Mr. D. M. N. K. Dissanayake



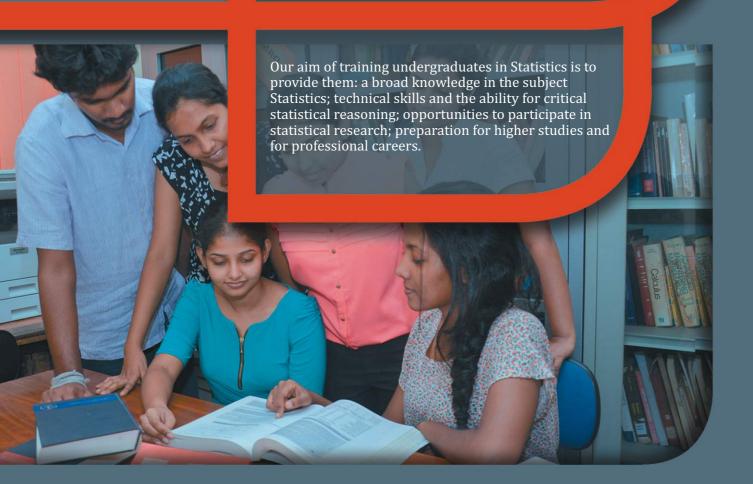
Mr. B. M. C. J. Senevirathna



K.H. Neranga Prasadi

Out of all the subjects available in the university I chose physics since I have a natural curiosity for understanding how things work, right down to the smallest scale. Department of Physics, University of Sri Jayewardenepura has an extremely prestigious reputation for Physics which made me inquisitive then and now. Passion of the academics in the department for the subjects is inspiring! The guidance and enthusiasm I gained from the academic staff of the department of Physics had an incredibly direct and tangible effect on my success which ultimately I was able to achieve a First class honors, scoring 3.9 GPA. I was motivated to delve deeper into subjects such as quantum mechanics, solid state physics and geophysics as a result of attending such interesting lectures. I am extremely privileged to be a graduate from the department of Physics, which has more than 40 years of history. As you choose Physics, which is being one of the major pillars of the central of science, I wish you all the best on your way to success.

Department of Statistics



Introduction

The Department of Statistics offers Statistics as a subject for B.Sc. (General) Degree and offers a B.Sc. (Special) Degree in Statistics. Physical science undergraduates can follow Statistics for their three year general degree depending on the subject combination they are placed. Students are selected for subject combinations on the basis of their request and A/Lz-scores.

The mission of the Department of Statistics is to produce high quality graduates and postgraduates in Statistics who can contribute to the national development and to the development of the discipline.

Medium of Instructions

In the first year, lectures, tutorial classes, and practical classes are conducted in both Sinhala and English mediums. The examination question papers are given in English with a Sinhala translation however. Lecture notes, handouts, tutorials and take home assignments are provided in English medium. From the second year, all above is done in English medium only.

Programme Details

Aims and learning outcomes of course units, course contents, methods of assessment, handouts, past question papers, details on recent research activities and postgraduate programs etc. are available at our website http:Science.sjp.ac.lk/sta/

Awards

The following medals are awarded for best performances in Statistics.

- Professor W.S. Fernando gold medal for the best performance in Statistics in the General Degree Program
- Professor R.A. Dayananda gold medal for the best performance in Statistics Special Degree Program

Statistics for reliable decision making under uncertainty

Statistics is the scientific application of mathematical principals for collection, analysis, interpretation and presentation of any kind of data. Statisticians begin to contribute to scientific inquiry by applying their mathematical and statistical knowledge through the design of surveys and experiments and proceed until the final presentation of results. Statistics is an essential tool in any field where decisions are made based on data. Statisticians apply their knowledge of statistical methods to a variety of subject areas such as biology, economics, engineering, medicine, public health, psychology, marketing, education, and sports.

Statistics at the University of Sri Jayewardenepura

Teaching statistics at the university dates back to 1968. Until 1998, Statistics was offered by the Department of Mathematics. Later, the Department of Statistics and Computer Science was established in 1998. The present Department of Statistics is formed early 2014. The department offers Statistics as a subject for the General Degree Program as well as the Special Degree Program in Statistics. In addition, the department conducts a Postgraduate Diploma/M.Sc. program in Applied Statistics. This is an evolution of the first ever self-financed postgraduate program in Sri Lanka, the Postgraduate Diploma in Statistics, which was established in 1968.

At present, about 400 undergraduates are studying Statistics as a subject. In addition to the essential theoretical knowledge, Statistics undergraduates are given ample opportunities to collect and analyze data, and prepare statistical reports related to real world problems.

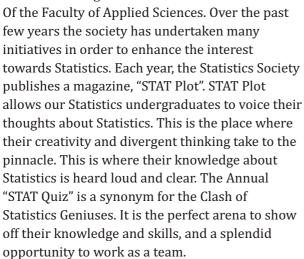
They are also given sufficient exposure to statistical software in analyzing data. Diversified learning activities and assessment methods such as individual and group assignment, presentations, seminars, individual and group projects are used to encourage active learning. This diversification helps to improve soft skills such as communication skills and teamwork. Independent learning is encouraged at all levels. Candidates for the Special Degree in Statistics are selected at the beginning of the third year, based on the performance in the first two years. Statistics Special Degree students are required to undertake a comprehensive guided project.

In addition, they are exposed to the real world applications by means of a six-month, full-time, industrial training. They also gain vital experience in solving real world problems through the Statistical Consultancy Unit of the department which offers its services to both on campus and off campus researchers.

The Department is dedicated to providing a conductive learning environment to produce statisticians who are capable of solving practical problems and contribute to the national development using their skills.

Statistics Society

The Statistics Society of the Department of Statistics was formed in the year 2009 with the intention of promoting Statistics amongst the students



Knowing how and where your skills and knowledge can be best utilized would certainly be beneficial in the long run. What use of your knowledge can there be if you don't know how to give value for it? The Statistics Society introduces career opportunities for undergraduates. They are given the opportunity to be exposed to their desired career paths at an early stage. And the plus point, you get to be hired by most prestigious companies in Sri Lanka!

For further advice and information, please contact:

Dr. Ravindra Lokupitiya

Head/Department of Statistics University of Sri Jayewardenepura,

Nugegoda

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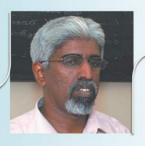
Dr. Ravindra Lokupitiya B.Sc. (Colombo), M.Sc. (Stat.)(USA), Ph.D. (Stat.)(USA)



Head of the Department

Research interests: Computational statistics, Bayesian Statistics, Spatial Statistics Email - lokupitiya@yahoo.com

Mr. P. Dias B. Sc. Special (Math.)(USJP), PG. Dip. (Stat.)(SL), M.Sc.(Stat.)(Aus.)



Senior Lecturer

Research interests: Applied Statistics, Teaching and Learning Email - dias@sjp.ac.lk

Dr. Sarath Banneheka B.Sc. Special (Math.)(USJP), M.Sc. (Math.)(UK), M.Sc. (Stat.)(Canada) Ph.D. (Stat.)(Canada)



Senior Lecturer

Research interests: Statistical Inference, Statistical Computing. Email - sarath.banneheka@gmail.com

Mr. Chitraka Wickramarachchi B.Sc. Special (Stat.) (USJP), M.Sc. (App. Stat.) (SL), M. Phil. (Stat.)(SL)



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Lecturer

Research interests: Applied Statistics, Data Assimilation. Email - manjulap@sjp.ac.lk pubudini76@yahoo.com

Ms. Hasanthi Pathberiya B.Sc. Special (Stat.)(USJP)



Lecturer (Probationary)

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Lecturer (Probationary)

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Mr. M. M. G. N. S. B. Abhayaruwan



Mr. Asanka Weerasiri



Mr. G.R.D.P. Perera



Priyanga Dilini Talagala

Many decisions will change your life; a few will define it. A special degree in Statistics at USJ is a significant commitment and a challenge that will test your perseveranceand ability. The knowledge and skills I obtained from the Statistics special degree programme prepared me to develop myself both personally and professionally and undoubtably laid the foundation for me to start my career as a Lecturer (Probationary) in the Department of Computational Mathematics at University of Moratuwa. The entire degree program is a careful hybrid of theory and application. The relentless support and guidence from the lecturers in the department was undoubtedly another key ingrediant in helping me as an undergraduate to integrate my skills and abilities to become the batch top among all special degree students. Getting into this Special degree program in Statistics at USJ was the best start I could ever get to make an excellent career in the field of Statistics. Everything I involved in at USJ has geared me up in shaping who I am today. So now it is your turn to come aboard and explore the wonders of Statistics.



Shashika Vasana Hewamasmulla

It's not only the skill level that matters but the will level as well. As a graduate from the Department of Statistics at University of Sri Jayewardenepura, I have made a great leap in my educational and personal life because I got a solid base in Statistics from the University. First, it was just a subject and later together with my dedication and sharp lessons given by the lecturers it became such an interesting part of my life. The department provided a great deal of academic support where we could approach the lectures and get clarified any concern we may have. The courses were challenging which needed high level of commitment to get through high scores. Having the highest GPA for Statistics along with a Fist Class made me the WS Fernando Gold Medallist and it lead my life towards Actuarial Science which required a solid knowledge of Statistics to proceed with. It is a great honour to be awarded the medal and the degree from University of Sri Jayewardenepura and I wish our graduates shine all over the world.

Department of Zoology



History

Teaching of science at Vidyodaya was initiated in 1962 and teaching of Zoology as a subject was also commenced. However, Botany and Zoology Departments were amalgamated as the Department of Biology in 1966 but later again that Department was separated as Zoology and Botany in 1982 which continues up to date under the Faculty of Applied Sciences.

Present status

At present, Zoology as a subject is offered blending its applications focusing more towards the skill development of the students to suite the present day needs of the country. As a result study components stem from the Department are Fisheries and Aquaculture, Limnology, Molecular Biology, Wildlife, Microbial Ecology, Insect Pest Management, Environmental Physiology etc.

Apart from that as a combination of marine and freshwater study components Aquatic Resources Management has been introduced as a new subject providing more opportunities for the students to learn specialized areas with a multidisciplinary approach

Aquatic Resources Management

This subject provides more opportunities for the students to use their knowledge in development activities of the country in a sustainable manner. We have resources with expertise knowledge in fresh, brackish and marine components to improve the skills of the students.

As in many other developed countries this will help the students to learn interactions of watersheds with the aquatic environment through water resources management, coastal resources management, water resources modeling, conservation strategies, aquatic resources planning and management, use of Geographic Information Systems as a tool in management of aquatic resources etc

Finally this will provide an opportunity for the students to develop their skills to suite the present requirements of the country.

Biology

Although Biology was introduced about a decade ago as a subject for GCE A/L examination, there is a dearth of graduates to teach Biology in schools. To face this challenge, the Department of Zoology and the Department of Botany has introduced biology as a subject from the academic year 2012.

Mission

The mission of the Department is to promote and excel in Teaching, Learning and Research and Application in the fields of Zoology.

Undergraduate programme

The Department of Zoology, offers three subjects for undergraduates; namely, Zoology, Aquatic Resources Management and Biology. Students can select different subject combinations for their undergraduate degree programme.

Zoology, Biology and Aquatic Resources Management and students can select the following subjects combinations for their undergraduate degree programme.

- Zoology, Chemistry, Environmental Mgt. & Forestry
- Zoology, Chemistry, Physics
- Zoology, Chemistry, Plant Biology
- Zoology, Chemistry, Management Science
- Zoology, Aquatic Resources Management, Chemistry
- Aquatic Resources Management, Management Science, Chemistry
- Aquatic Resources Management, Chemistry, Environmental Mgt. & Forestry
- Aquatic Resources Management, Food Science, Chemistry
- Aquatic Resources Management, Biology, Chemistry
- Biology, Food Science, Chemistry
- Biology, Physics, ICT
- Biology, Chemistry, ICT
- Biology, Chemistry, Management Science
- Biology, Physics, Management Science

The Department offers a three year B.Sc. (General) Degree and a four year B.Sc. (Special) Degree.

Field Visits for Zoology and Aquatic Resource Management Student

Most of our Course Units are field oriented and are designed to widen the field experience and gain skills and practical knowledge in Aquaculture,

Fisheries, Limnology, Environmental Science, Wildlife Ecology and Ecology etc; The students will get the opportunity to conduct their field studies in Fisheries at Udawalawe Reservoir. Chilaw and Negombo estuaries etc. Aquaculture field studies at Dambulla and Udawalawa freshwater fisheries stations. Limnology field studies at Beira lake. Kandy lake and Bolgoda lagoon etc. Wildlife studies at Sinharaja Man & Biosphere Nature Reserve, Roomassala Coral Reef, Giritale Nature Reserve, Sigiriya Nature Reserve, Bundala Ramzar site and Anawillundawa Ramzar site. Visits will be arranged to the National Zoological Garden in cooperation with the Zoological Garden staff for the studies on Animal Diversity and Primate Evolution. These courses will be supported by means of video films and practical classes.

Industrial Training

The Department offers Industrial Training for B.Sc. Aquatic Resources Management students to provide exposure to Industries and other Research Organizations. Industrial placement include the Central Environmental Authority (CEA), Industrial Technology Institute (ITI), Medical Research Institute (MRI), Tea Research Institute (TRI), Coconut Research Institute (CRI), National Aquatic Resources Research and Development Agency (NARA), Marine Environmental Protection Authority (MEPA), National Water Supply and Drainage Board (NWSDB), Coast Conservation Department (CCD), Department of National Zoological Gardens, National Aquaculture Development Authority (NAQDA) and other Private Sector Institutes.

Post Graduate Programme

The Department offers the following programmes at Postgraduate level;

 M.Sc./PGDip in Fisheries and Aquatic Resources Management

The Masters Degree / Postgraduate Diploma Program is designed to meet the increasing need for highly skilled Managers, Biologists or Biologically literate Mathematicians and Statisticians to work in Aquatic Resources Management.

Course structure

Two years in duration for M.Sc. and one year for Postgraduate Diploma. The course is Teaching-Intensive with Practical Classes, Assignments, Field Visits and Individual Research Projects (M.Sc. only). Lectures will be conducted during weekends.

M.Phil and Ph.D. Degrees by Research

The Department registers students for M.Phil and Ph.D. Degrees by full time Research in areas within the Specialist and Research Interest of the academic staff.

For further advice and information, please contact:

Prof. M.M. Pathmalal

Head of the Department of Zoology University of Sri Jayewardenepura, Nugegoda

Telephone : 2804515/ 2854515 2758396/ 2758395

Prof. M. M. Pathmalal B. Sc. (USJP), M.Sc. (Japan), Ph.D. (Japan)



Professor and Head of the Department

Research Interests: Eco-toxicology and aquatic toxicology. Application of microbes to remove xenobiotics. Biostiumulation and bioaugmentation applications for environmental pollutants E.mail: pathmalal@sjp.ac.lk

Prof. S. Piyasiri B.Sc. (Peradeniya), Ph.D. (Vienna)



Chair, Senior Professor of Zoology

Research Interests: Limnology, Aquatic Sciences, Geographic Information System and Water Resources Management. E.mail: swarnapiyasiri@yahoo.com swarna@sip.ac.lk

Prof.(Mrs.) S. M. D. A. U. De Alwis B. Sc. (Kelaniya), M.Sc. (Bergen, Norway), Ph.D. (Bergen, Norway)



Professor

Research Interests: Aquaculture, Coastal Resources Management, Research on Freshwater and brackish water fish. E.mail: uthpala.dealwis@yahoo.com

Prof. B. G. D. N. K. De Silva B. Sc. (USJP), Ph.D. (USJP)



Professor

Research Interests: Genetics, Molecular Biology, Medical Entomology, Molecular Entomology. E.mail: nissankakolitha@gmail.com

Dr. M. M. S. C. Karunaratne B. Sc. (Vidyodaya), Ph.D. (Southampton, UK)



Senior Lecturer

Research Interests: Stored product insect research, Insect Biodiversity, utilization of biologically active secondary metabolites from plants and semiochemcals in Agricultural Insect Pest Management.
E.mail: swinithak@gmail.com

Dr. W. A. D. Mahaulpatha B. Sc. (USJP), M.Sc.(Hiroshima, Japan), Ph.D. (Hiroshima, Japan)



Senior Lecturer

Research Interests : Wildlife Management Email: mahaulpatha@yahoo.com

Dr. R. R. M. K. P. Ranatunga B. Sc. (USJP), Ph.D. (JCU, Australia)



Senior Lecturer

Research Interests: Marine Ecology and Biology of Fishes, marine bio invasions through ballast water and bio Fouling, marine pollution.
Email: kamal.ranatunga@gmail.com

Dr. L. D. C. Peiris B.Sc. (Colombo), Ph.D. (UK)



Senior Lecture

Research Interests: Toxicology, Physiology Bio chemistry, cancer research, Environmental Science
Email: dinithipeiris@sci.sjp.ac.lk

Dr. D. C. T. Dissanayake B.Sc. (Colombo), M.Sc. (Kalaniya), Ph.D. (Iceland)



Senior Lecturer

Research Interests: Ecological modeling, Fish population dynamics, Fisheries Management Email: chamari@sjp.ac.lk

Ms. K. V. K. Gunathilake B.Sc. (USJP)



Probationary Lecturer

Research interest: Marine Biotechnology On Study Leave

Ms. F. S. Idroos B.Sc. (USJP)



Probationary Lecturer

Research Interests: Bioremediation of natural and synthetic peptides.



Mr. P.D.R.S. Pathiyagoda



Mr. K.S. Wijenayake



Mrs. W.D. Lakmali



Mr. U.S.S. Udagedara



Ms. W.V.T. Madushani



Mrs. E.V.A. Tharangani



Mr. M.D. Jayawardena



Mr. Ajith Gunatunga



Mr. E.D.A. Warunajith



Mr. H.H. Anuranda



Mr. G.D.P. Weerasiri



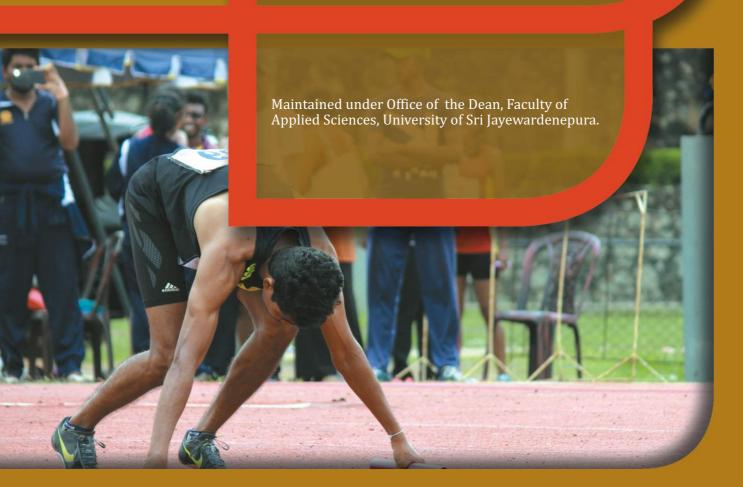
Mr. G.W.S.B. Weerasinghe

The overall experience at the Faculty of Applied Sciences, University of Sri Jayewardenepura is second to none and the past four years have been the most remarkable, exciting and motivating period of my life. Studying under three departments, Zoology, Chemistry and Botany, I have come across an extremely competent panel of lecturers who are always willing to aid students despite their limit of duty. Students are always encouraged to interact, discuss, critique and share their ideas. The final two years solely attached to the Department of Zoology were the best years in which not only I was offered the incomparable knowledge but also the opportunity to visit environmentally and educationally important sites all around the country that one would rarely gets in life. It opened up a new perspective of life which thrusts to embrace the nature, which I think, is important as a science undergraduate. If one is keen and committed, more than enough support is provided from the Department of Zoology which will lead to many accomplishments and shape up the life like it did for mine. As a proud graduate of the Department of Zoology, my sincerest wishes go out to all the juniors to achieve their dreams and targets.



Jayani Rupasinghe

Sports Science Programme Staff



Dr. (Mrs.) S. Weerasinghe B.Sc.(Fd. Sci. & Tech., Sabaragamuwa), M.Sc. (Fd. Sci. & Tech., Peradeniya), Ph.D. (Mississippi State University, USA)



Senior Lecturer

Research Interests: Bioavailability of micronutrients in foods, Dietary supplements and sports performance

Mrs. Piumi Perera B.Sc. Mgt (Hons) (USJP), M.Sc. in Management (USJP)



Probationary Lecturer

Research Interests: Event Management and Treasury Management

Ms. S. Kaushalya Fernando B.A.(USJP), Bachelor of Physical Education And Sports (EIEFD, Cuba)



Probationary Lecturer

Research Interests: Sports Biomechanics, Physical Education

Supporting Staff



Mrs. A.H.T.N.S. Wijenayake

English Language Teaching Unit



English Language Teaching Unit

The aim of the ELTU of the University of Sri Jayewardenepura is to make English available, accessible and eventually familiar, to all students of the Faculty of Applied Sciences.

The ELTU has designed all its courses in alignment with the UTEL (University Test of English Language) benchmark and the evaluation criteria follow 4 and 5 bands.

Mr. D. L. S. Ananda BA (Kelaniya), Dip. In TESL (NIE) , MA (Kelaniya)



Head/ English Language Teaching Unit

Ms. Madhubhashini RatnayakeBA (Allahabad), Diploma in TESL at
Tertiary Level (Colombo)
MA (New York University)



Senior Lecturer

Ms. Saroja Adhihetty BA (Peradeniya), PGDE TESL (Colombo), MA (Sabaragamuwa)



Lecturer

Mr. P.B.S.L. Pushpa Kumara
BA (USJP), PG Diploma in TESOL
& Applied Linguistics
(University of Salford),
MA (Kelaniya)



Senior Lecturer

Mrs. H.P.L. Shashikala
BA (USJP), PG Diploma in TESOL
(University of Nottingham) MA
Linguistics (Kelaniya)



Senior Lecturer

Mr. Lokumudalige Karunasena BA (Colombo), PGDE TESL (Colombo)



Senior Instructor in English

Ms. K.A.C. Silva
BA (Hons),
M.A., PGD in Writership &
Communication,
PGD in TESL (USJP)



Instructor in English

Department of Botany



Emeritus Prof. H. G. Nandadasa



Emeritus Prof. P. Amilasith Yapa



Emeritus Prof. C. Wijerathne

Department of Chemistry



Emeritus Prof. Tuley de Silva



Emeritus Prof. W. S. Fernando



Emeritus Prof. A.M. Abeysekera

Department of Physics



Emeritus Prof. Dammika A.Tantrigoda

Department of Computer Science and Statistics



Emeritus Prof. R. A. Dayananda

Department of Food Science and Technology



Emeritus
Prof. Arthur Bamunuarachchi

Department of Zoology



Emeritus Prof. J. Jinadasa





Dr. Asitha T. Cooray B.Sc. (USJP, Sri Lanka), Ph.D. (NMT, USA)



Senior Lecturer and Coordinator of the Central Instrumentation Facility

Research interest: Analytical Chemistry, Aquatic Chemistry, Environmental Chemistry and Impact of climate change on water resources Email - atcooray@sjp.ac.lk

Scientific Assistants

Mrs. R.M. Munasinghe B.Sc. (Hons) (Chem, Pera, SL) Reading for M.Sc.(Colombo).



Scientific Assistant

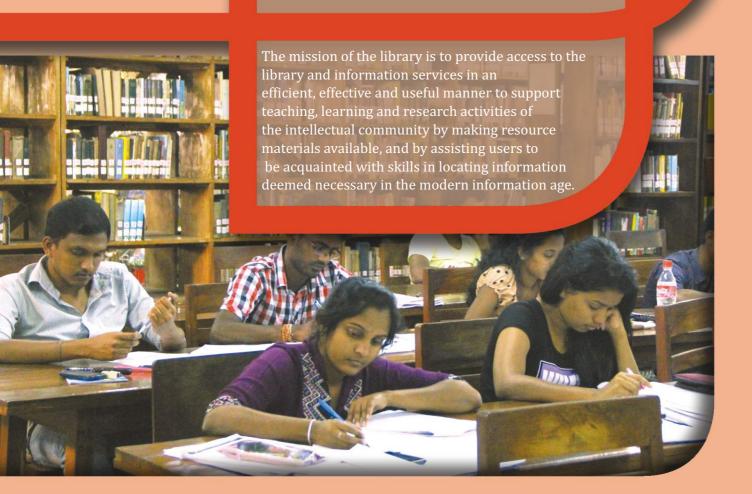
Email - 7rajika@gmail.com

Supporting Staff



Mrs. D.I. Wijemanna

The Library



The Library

Profile

The Library plays an important role in university education supporting the three main pillars of the university: teaching, learning and research. There is a collection of more than two hundred thousand books, hundreds of journals and a few electronic databases in the library mainly to cater the five main faculties.

The staff headed by the librarian Dr (Mrs) N. D. Wijayasundara ensures that the Library is updated and fully equipped to serve your needs.

There are two branch libraries under the main library; Medical and Bio Science. Medical Library is located in the 3rd floor of the main library building with a separate entrance. This collection is specially developed for the users of the Faculty of Medical Sciences. The Biological Sciences library is located at the Department of Zoology, Faculty of Applied Sciences. Books on Botany, Zoology and Forestry are kept in this branch Library

Organization of the Collection

Monographs are classified under subjects using an international standard, Dewey Decimal Classification (DDC) system and catalogued using Anglo American Cataloguing Rules (AACR II). All books in the library can be browsed using.

The Online Public Access Catalogue (OPAC). This is available via the library home page (www.sjp.lib.ac.lk).

For collection organizing purposes, books are categorized as follows:

PR (Red R) : Permanent Reference – Not allowed for borrowing

SR (Green R): Scheduled Reference – Overnight reference Lending – Can be borrowed for a period of two weeks

Periodicals Division

Serial publications including journals and magazines are kept in the Periodicals Division. Library consists of print journals as well as electronic journals and databases. Scholarly journals including international journals and local journals cover many of the subject disciplines. Current issues are displayed on display racks according to the journal titles in alphabetical order. Bound volumes are also stored according to the title of the serial in alphabetical order.

Availability of journal issues can be checked using Visible Index at Periodicals Division or through computer catalogue (OPAC).

Serials are only for reference. These are not for lending. Readers can get photocopies of required articles through the Photocopy Service Centre by paying the required amount of money.

| | Normal Hours | During Examination period |
|-------------------------------------|-------------------|---------------------------|
| Week days | 8.00 am - 6.00 pm | 5.00 am - 10.00 pm |
| Week ends | 8.00 am - 6.00 pm | 8.00 am - 6.00 pm |
| Poya days and other public holidays | - | 8.00 am - 6.00 pm |

Depending on the situational requirements opening hours of the library may change with prior notification.

Electronic resources

Library has acquired a number of electronic resources such as e books, e journals and bibliographic and full text databases covering almost all the subject disciplines. All these databases and other free sources are listed under eresources in the library website (www.sip.lib.ac.lk). For some databases user name and password are needed while others can be accessed within the university premises.

Some available databases are JSTOR, Emerald, Oxford University Press, Taylor and Francis, Wiley Online, Researc4Life and SAGE Research Methods.

Multimedia Centre

All registered library users can get online access to electronic databases, journals and internet facilities within the multimedia center, during week-days from 8.00 am to 6.00 pm. There are about 20 terminals in this centre.

Ceylon Room

The objective of maintaining Ceylon Room is to maintain books written about Sri Lanka. Apart from those, Sri Lankan Government publications such as acts, bills, administrative reports, bank reports, and publications of government corporations, boards and authorities, manuscripts are available in the Ceylon Room. Postgraduate theses submitted to the University of Sri Jayewardenepura and theses submitted by academic staff members to other Universities / Higher education institutions are also housed in the Ceylon Room.

All the collection in the Ceylon Room is on Permanent Reference basis and not allowed to borrow.

English Learning Zone (ELZ)

ELZ is maintained for learning English language within the library. Basic grammar books and short story books are stored here.

How to use The Library:

Registration of new students, issuing of library clearance certificates and other reader services are handled through the inquiry counter located at the left side of the ground floor near the main entrance.

Bringing personal books, periodicals, newspapers, cameras, food and drinks into the library is strictly prohibited. Personal belongings of library users should be kept in the cloak room upon obtaining a token.

Library Registration and Obtaining Library User Accounts

All registered students of the University are entitled to get the membership of the library. Library membership can be obtained by submitting a filled application to the reader services counter together with student identity card or record book issued by the university.

Once a filled application is submitted, a library user account is created and you will be informed through your e-mail. The total responsibility of personal user accounts lies with the user and the library will no longer be responsible for any complaints made after activating individual user accounts. Users are responsible for the passwords of their accounts. Users must report any abuse or anonymous issuing of library materials on their accounts within 7 days of such misuse.

Undergraduates can borrow 04 books at a time (01 - SR-Scheduled Reference; 03 - Lending books)

The account holder is responsible for any book issued (checked out) to their account.

Library facilities are terminated at completion of studentship or termination of studentship at the university. Such students should return all borrowed library books to the library.

Issuing of Library Books

Books needed to be borrowed should be given to the officer at the main counter along with the student identity card or student record book. The due date is stamped on the date slip of the book and those books are subjected to the inspection of library security staff before taking out of the library. Books borrowed should be returned to the relevant counters on or before the due date.

The Loan period for Lending books is two weeks and for Scheduled Reference books it is one day, scheduled Reference books should be returned before 10.00 a.m. on the following day.

User Education

The Library conducts orientation programs for all new students. Library resources and their use is explained at this program. Specialized programs on Information Literacy and hands-on practical sessions on electronic resources are conducted to student groups at the request of academic departments.

Inter-Library Loan (ILL) Service

Library conducts a service to provide materials from other network of libraries if a particular item is not available in our library. Library users are able to request this service by submitting a completed request form available in the library website to the library or emailing it to 'illusjp@sjp.ac.lk'.

General Rules on Library Use

Library users should produce the identity card issued by the university to prove their identification upon request by any library staff member.

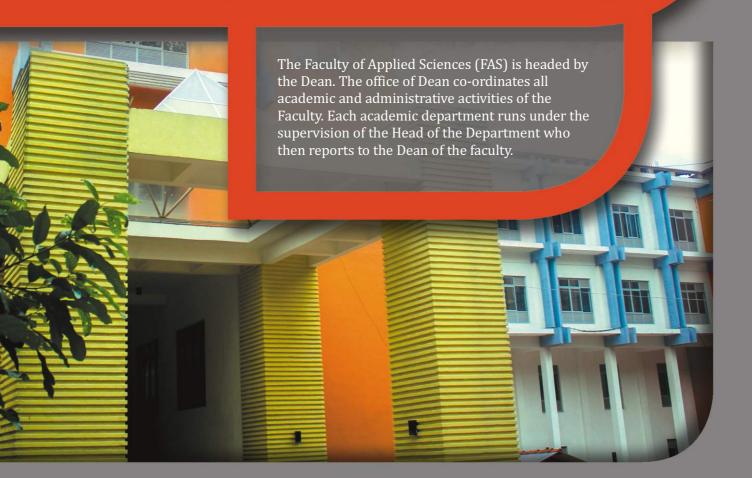
Library users should not attempt to reserve seats in reading halls by placing books or other personal materials on tables or chairs. All personal materials should be taken when leaving the reading hall.

Library users should not attempt to reshelf books once they are taken out from book-shelves. They should be kept on tables instead. Books on shelves should not be purposely disordered.

Silence should be strictly adhered to within the library. Group discussions and meetings are not allowed within the library. Use of mobile phones and partaking food within the library are not allowed. Library is considered as a non-smoking area.

Library users are welcome to contact the Librarian or Academic Staff Members of the library for further assistance and clarifications in regard to library materials and their access. The whole library staff is committed to assist you always.

Office of the Dean



The Faculty of Applied Sciences (FAS) is headed by the Dean. The office of Dean co-ordinates all academic and administrative activities of the Faculty. Each academic department runs under the supervision of the Head of the Department who then reports to the Dean of the faculty.

A Senior Assistant Registrar or Assistant Registrar is appointed to assist all administrative work in the faculty including all matters regarding the non-academic staff, registration of students, examination work and secretarial work of the faculty.

Main task of the office is to provide the administrative mechanism required for coordinating the departments and degree programmes. Also it is responsible for programme scheduling, coordinating, academic advising and maintaining students records.

The record room which is a part of the office, takes care of marks processing and programming and coordinating the examination processes.

The Assistant Bursar attached to the Faculty of Applied Sciences helps the smooth functioning of the finance and supplies activities under the delegated authority.

Mrs. N. Matharaarachchi



Assistant Registrar

Ms. M.G. Kumbukage



Assistant Bursar



Mr. T. Wimalakeerthi
Computer Instructor



Mr. D.A Amila Deepal Computer Instructor



Mrs. Damayanthi Wijewardana



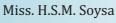
Mr. G. Anuradha



Mrs. Damayanthi Perera









Mr. D.T. Weerasinghe



Miss. M.M.P. Mayadunne



Miss. W.M.G.S. Weerasinghe



Mr. W.G.P. Wickramanayake



Mr. Lal Perera



Mr. L.M. Perera



Mr. H.M.A.H. Bandara



Mr. J.M.J.C. Jayasinghe



Effective Period

Academic year and Semesters

The following courses and examination regulations will be effective for students entering the Faculty of Applied Sciences in the year 2016 to follow B.Sc. Degree programmes.

Each academic year will consist of two semesters and each semester will have a period of 15 weeks of teaching.

Course Subjects

The Faculty conducts B.Sc. Degree level courses in the following subjects.

- Aquatic Resource Management (ARM)
- Biology (BIO)
- Chemistry (CHE)
- Computer Science (CSC)
- Economics (ECO)
- Environmental Mangement and Forestry (EMF)
- Food Science and Technology (FST)
- Information and Communication Technology (ICT)
- Management Science (MAN)
- Mathematics (MAT)
- Microbiology (MBL)
- Plant Biotechnology (PBT)
- Plant Biology (PBL)
- Physics (PHY)
- Polymer Science and Technology(PST)
- Sports Science and Management (SSM)
- Statistics (STA)
- Zoology (ZOO)

Degree Programmes

The Faculty conducts the following B.Sc. Degree courses based on the subjects given in section 3

- B.Sc. General Degree Three years
- B.Sc. Special Degree Four Years
- B.Sc. Special Degree in Food Science and Technology Four years
- B.Sc. Special Degree in Sports Science and Management -Four years

5

In the first year, all students (except those following B. Sc. in Food Science and Technology and Sports Science and Management) should register for a B.Sc. General Degree programme selecting a combination of three subjects as given below.

Students who wish to select one of the following course subjects offered by the Department of Botany (Plant Biology, Plant Biotechnology or, Microbiology) have to follow the course as a common course until the first semester of the second year.

However a student who wishes to change the course subject offered by the Department of Botany(Plant Biotechnology, Microbiology, Plant Biology) can do so at the beginning of the second semester of the second year.

Students who have entered through the Biological Science stream of G.C.E. Advanced Level can select one of the combinations given below.

| Combination | Combinations available for Biological |
|-------------|--|
| No. | Science students |
| B01 | Chemistry, Zoology, Physics |
| B02 | Chemistry, Zoology, Plant Biology/Plant Biotechnology/Microbiology |
| В03 | Chemistry, Aquatic Resources Management, Environmental Management and Forestry |
| B04 | Chemistry, Environmental Management and Forestry, |
| | Plant Biotechnology, |
| B05 | Chemistry, Aquatic Resources Management, Zoology |
| B06 | Chemistry, Aquatic Resources Management Biology |
| B07 | Chemistry, Management Science, Biology |
| B08 | Chemistry, Management Science, Zoology |
| B09 | Chemistry, Food Science, Biology |
| B10 | Chemistry, Biology, Information Communication Technology |
| B11 | Zoology, Aquatic Resources Management, Management Science |
| B12 | Chemistry, Aquatic Resources Management, Management Science |
| C01 | Chemistry, Environmental Management and Forestry, Management Science |
| C02 | Chemistry, Physics, Polymer Science and Technology |
| C03 | Chemistry, Physics, Environmental Management and Forestry |

Students who have entered through the Physical Science stream of G.C.E. Advanced Level may select one of the following combinations.

| Combination | Combinations available for Physical | |
|-------------|--|--|
| No. | Science students | |
| P01 | Chemistry, Mathematics, Physics | |
| P02 | Chemistry, Mathematics, Statistics | |
| P03 | Mathematics, Physics, Statistics | |
| P04 | Chemistry, Management Science, Mathematics | |
| P05 | Management Science, Mathematics, Physics | |
| P06 | Computer Science, Mathematics, Statistics | |
| P07 | Computer Science, Mathematics, Physics | |
| P08 | Mathematics, Statistics, Economics | |
| P09 | Applied Physics, Mathematics, Computer Science | |
| P10 | Mathematics, Physics, Information Communication Technology | |
| C01 | Chemistry, Environmental Management and Forestry, Management | |
| | Science | |
| C02 | Chemistry, Physics, Polymer Science and Technology | |
| C03 | Chemistry, Physics, Environmental Management and Forestry | |

Changing Subject Combinations

A definite number of students are selected for each of the above combinations by the Faculty Board, depending on the number of applicants, facilities available in relevant departments, choice of the applicants and their performance at the G.C.E. Advanced Level examination. Students can change their subject combination only during the first two weeks of the first academic year. Those who wish to change the combination should make an application to the Dean within the first two weeks of the academic year and obtain the approval. The Dean will approve such changes only after considering all such applications.

B.Sc. Special Degree Programme The Faculty conducts B.Sc. Special Degree programmes in the following subjects.

Candidates for Special Degree programmes are selected at the end of the second year. Selection of candidates is based on the academic performance of the

applicants during the first two years. In order to follow a special degree programme in any subject, students should take a minimum of 20 credits for the

respective subject and should obtain a minimum GPA of 3.3 for the relevant

subject and a minimum GPA of 2.0 for the other two subjects. However, the

number of selected students will vary based on facilities available in respective

■ Aquatic Resource Management

■ Chemistry

■ Computer Science

■ Environmental Management and Forestry ■ Physics

■ Polymer Science and Technology

■ Food Science and Technology

Statistics

departments.

Mathematics

Microbiology

■ Plant Biotechnology & Genetics

■ Plant Biology

■ Sports Science and Management

■ Information and Communication Technology

■ Zoology

B.Sc. Special **Degree Programmes** in Food Science and Technology and Sports Science and Management

B.Sc. Special Degree Programme in Human Biology

Students for the programmes B.Sc. (Special) Degree programme in Food Science and Technology and B.Sc. (Special) Degree programme in Sports Science and Management are selected by the University Grants Commission directly. The Faculty will not admit any other student for these programmes and students who enter the University for these courses will not be allowed to register for any other programmes.

A limited number of students are selected, at the end of the first year from the biological science students, for the B.Sc. special degree programme in Human Biology conducted by the Faculty of Medical Sciences. Candidates for this will be selected by the Faculty of Medical Sciences, based on the academic performance of the applicants during the first year.

Course Units

Courses conducted by each Department comprise of / consist of independent units. Course units conducted by each department are given at the beginning of this document. A course unit may consist of one or more of the following components: lectures, practical classes, seminars, a project assignment and field classes.

Credit Values of Course Units

Each course unit has a defined credit value ranging from 1.0 to 8.0 which is always a multiple of 0.5. The credit value is an indicator of the size and value of the unit. For example a course unit of 1.0 credit consists approximately of 15 lecture hours or 45 practical hours. A course unit of 2.0 credits consists of approximately 30 lecture hours or 90 practical hours. A 6-hour field class is approximately equivalent to a single one hour lecture.

Name and Symbol of a Course Unit

Each course unit has a symbol and a name. The symbol indicates the subject of the unit, the year, whether it is a general degree unit or a special degree unit, its serial number and the credit value.

Serial numbers 1-49 are used for general degree units and numbers 51-99 are used for special degree units.

Example 1

PBL 122 2.0 Plant Systematics.

PBL 1 22 2.0 Plant Systematics. Subject year serial number credit value name

Example 2

CHE 358 1.0 Advanced Organic Spectroscopy. This is a third year chemistry course unit conducted for Special Degree students with a credit value of 1.0.

Types of Course Units

13

Course units are classified as follows.

- 1. Compulsory Course Units Course units for which candidates following the relevant subject should obtain a minimum specified grade at the examination to qualify for the Degree or a Class (in the Degree). Examples: Practical course units, Research projects for Special Degree candidates.
- 2. Core Course Units Course units, which are essential components of a subject. All candidates studying the relevant subject must follow the Core Course Units and candidates who do not appear for an examination of a Core Course Unit will be given an absent (ab) grade as given in section 19.
- 3.Optional Courses Units These course units are chosen by candidates according to their preference in order to complete the degree course. Candidates can choose to follow these units in any study year.
- 4. Non credit Compulsory Course Units- Course units which should be followed by all candidates in order to obtain a minimum specified grade at the examination, however, not counted in calculation of GPA as given in section 21. Example: English.

Course Units for B.Sc.General Degree Course

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5. Noncredit Optional Course Units - Course units which can be followed by a candidate based on choice, however, not counted in calculation of GPA as given in section 21.

In order to complete the General Degree programme all candidates should register for course units with a minimum total credit value of 90.0 and a maximum total credit value of 99.0. The total credit value of the course units, for one main subject for the duration of three years should not be less than 27.0 and should not be more than 36.0.

A candidate can choose to register for a limited number of course units from any other subject apart from the three main subject combinations of his program to fulfill the above conditions.

When the total credits of the course units a candidate is registered for is less than 90.0 the total is taken as 90.0 in order to calculate the GPA of the candidate, as given in section 21.

Course Units for B.Sc. Special **Degree Programmes**

In order to complete a Special Degree programme, candidates should register for course units with a minimum total credit value of 120.0 and a maximum of 126.0. This should include course units of 60.0 credits specified by the relevant department in the third and fourth years. The cumulative credit value of all the course units of the special subject registered by a candidate, during the four years should be at least 80.0.

Course Units for B.Sc. (Special) Degree Programme in Food Science and Technology and

Course Units

for B.Sc.

Programme

Management

For some subjects, some of the course units taught in the second year may be prerequisites for a Special Degree program. Candidates who hope to follow Special Degree programs should, therefore, obtain guidance from the respective Heads of Departments at the beginning of the second year.

When the total credits valve of the course units for which a candidate is registered is less than 120.0, the total is taken as 120.0 in order to calculate the GPA of the candidate, as given in section 21.

(Special) Degree in Sports Science and

In the first two years, course units in B.Sc. Special Degree programme in Food Science & Technology will be selected from those offered by the Departments of Chemistry, Botany and Food Science and Technology, while in the third and fourth years, all the units will be conducted by the Department of Food Science and Technology. When registering for a 4 year course in Food Science and Technology, a student should select course units that will have a cumulative credit value of at least 80.0. All candidates are also required to complete a research project of 15 credits in the second semester of the fourth year.

The Special Degree in Sports Science and Management will consist of specialized courses spanning four academic years (eight semesters). Students should complete 120 credits of coursework/ research to qualify for award of the Bachelor Science in Sports Science and Management degree. The programme is a collaboration of the Faculty of Applied Sciences, Faculty of Humanities and Social Science, Faculty of Management Studies and Commerce, Faculty of Medical Sciences, Physical Education unit, University of Sri Jayawardenepura and Gampaha Wickramarachchi Ayurveda Institute.

Registration for Course Units, Examinations and Admission card

17

All candidates should submit an application for registration giving details of the course unit examinations he/she intends to sit for during the semester, to the Registrar through the Dean, at the end of the fourth week of the semester or before any date prescribed by the Faculty. An admission card, giving the course units for which the candidate is allowed to sit for, is issued to each applicant by the Registrar before the due examinations. The candidate should submit the admission card at all examinations to the supervisor, invigilator or the examiner and obtain his/her signature to certify that he/she sat for the examination. The admission card should be kept by the candidate and after the examinations should be presented to the Dean's office.

Methods of Assessment

18

A candidate's performance at each course unit is assessed and graded by one or more of theory examinations, practical examinations, continuous assessments, assessment of reports, oral examinations, etc. When there are multiple examinations for a course unit, marks obtained by the candidate for each examination is combined in order to obtain a final grade.

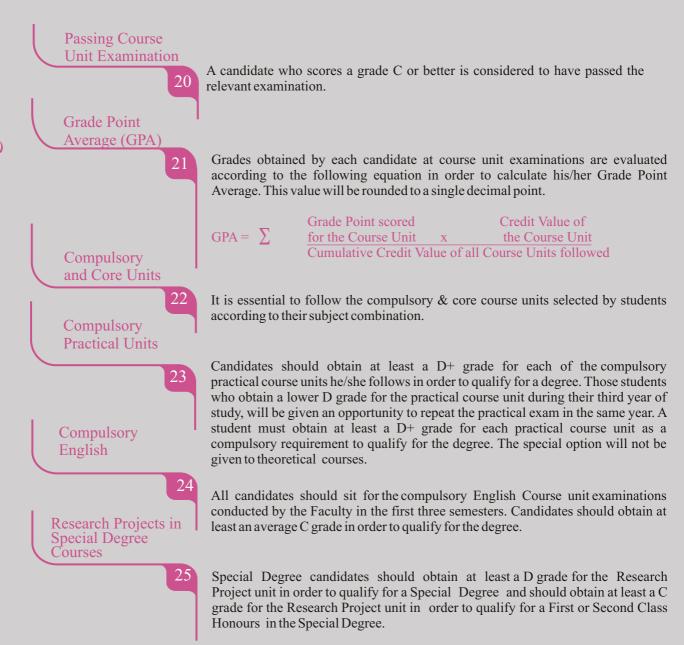
Grades and Grade Point Values

Grades given at course unit examinations and Grade Point Values attributed to each grade are given below.

19

| Degree | Grades and Grade Point Values | | | | | | | | | | | |
|-------------|-------------------------------|------|------|------|------|------|------|------|------|------|------|------|
| Programme | A+ | A | A- | B+ | В | B- | C+ | C | C- | D+ | D | E |
| All Degrees | 4.00 | 4.00 | 3.70 | 3.30 | 3.00 | 2.70 | 2.30 | 2.00 | 1.70 | 1.30 | 1.00 | 0.00 |

| Grade | Grade Point Values | Implication |
|-------|--------------------|---------------------------|
| A+ | 4.00 | Outstanding |
| A | 4.00 | Excellent |
| A- | 3.70 | Very good - excellent |
| B+ | 3.30 | Very good |
| В | 3.00 | Good |
| B- | 2.70 | Fair - good |
| C+ | 2.30 | Fair |
| С | 2.0 | Satisfactory |
| C- | 1.70 | Weak - satisfactory |
| D+ | 1.30 | Weak |
| D | 1.00 | Bad - weak |
| Е | 0.0 | Bad |
| ab | 0.0 | absent |
| M | 0.0 | absent on medical reasons |



Cut-off levels of GPA for Awarding Classes / Passes

26

| Degree | Grade Point Average (GPA) for Awarding Classes / Passes | | | | |
|-------------|---|--------------|--------------|-------|--|
| Programme | Pass | Second Lower | Second Upper | First | |
| All Degrees | 2.00 | 3.00 | 3.30 | 3.70 | |

Qualifying for B.Sc. Degree

27

A candidate requires a Grade Point Average of not less than 2.00 For a minimum of 90 credits to qualify for a B.Sc. General Degree.

A Special Degree candidate should obtain C grades or higher for course units of the special subject with a cumulative credit value of at least 50% of the total credit value of the special subject units in order to qualify for a degree.

Second Class Lower Division Honours

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A candidate requires a Grade Point Average of not less than 3.00 to qualify for Second Class Lower Division Honours in the B.Sc. Degree.

A Special Degree candidate should obtain a B $\bar{}$ grade or higher for course units of the special subject with a cumulative credit value of at least 50% of the total credit value of the special subject course units in order to qualify for Second Class Lower Division Honours.

Second Class Upper Division Honours

29

A candidate requires a Grade Point Average of not less than 3.30 to qualify for Second Class Upper Division Honours in the B.Sc. Degree.

A Special Degree candidate should obtain a B⁻ grades or higher for course units of the special subject with a cumulative credit value of at least 50% of the total credit value of the special subject units in order to qualify for a Second Class Upper Division Honours.

First Class Honours A candidate requires the Grade Point Average of not less than 3.70 to qualify for a First Class Honors in B.Sc. Degree. A Special Degree candidate should obtain an A- grade or higher for the course units of the special subject with a cumulative credit value of at least 50% of the total credit value of the special subject units in order to qualify for First Class Honors. Option of reverting to the B.Sc. A student for a B.Sc. (Special) Degree (except those who read for the B.Sc. Special (General) Degree Degree in Food Science & Technology and B.Sc. (Special) Degree in Sports Science and Management) may request the award of the B.Sc. (General) Degree foregoing the B.Sc. (Special) Degree, at the end of the third year of their studies. The results of the B.Sc. (General) Degree shall be determined solely on the basis of the course units followed in the first three academic years. The candidate should have followed course units with a minimum credit value of 90 irrespective of subject areas. The candidate should complete the minimum requirements of B.Sc. (General) Degree to be considered. The candidate may quality for a class according to his final results. Repeat **Examinations** If a candidate fails or scores a C- grade in a course unit examination, he/she can sit for the same course unit examination, in two further occasions only as a repeat candidate. In a case where the Department does not conduct the same course unit again or if the candidate wants to, he/she can sit for a different course unit examination instead, with the approval of the Head of the relevant Department. However, such a candidate will be considered as a repeat candidate. The highest grade given to a repeat candidate is C+. Continuous assessments and research projects do not have repeat examinations and therefore the initial marks obtained by a candidate for such assessments are taken as Postponement of the final mark for those assessments. Examination on Medical reasons If a candidate fails to sit for an examination based on medical reasons, and a medical certificate given by the candidate is approved by the Faculty Board, he/she should sit for the next examination which will be recorded as the first attempt. (Refer student hand book for more details.)

Fees for Repeat Examinations

Repeat candidates repeating 1st and 2nd year course units should pay a repeat examination fee of Rs.50/- per course unit, subject to a maximum of Rs.300/- per semester, at the time of application for repeat examinations.

Results of the Course Unit Examinations

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Repeat candidates repeating 3rd and 4th year course units, should pay a repeat examination fee of Rs.60/- per course unit, subject to a maximum of Rs.360/- per semester, at the time of application for repeat examinations.

Final Results of the Degree Programs

The results will be released via the faculty website and can via accessed at pes.sjp.ac.lk The Head of the relevant Department will inform by notice the results of course unit examinations, subject to confirmation by the Examiners Board and Senate. These results will also be sent to the Dean and the Registrar.

Examination Offences and Penalties

Final decisions on the results of examinations and the award of degrees will be taken by the Examiners Board subject to confirmation by the Senate.

Degree Transcripts All candidates should abide by the regulations given in the Examination by-law No.2 of 1986. Candidates who disobey the regulations will be penalized as stated therein. Details on this are given in the Students Hand Book.

In addition to the Degree Certificate, the Registrar will issue a Transcript to graduates with the following details (Course Unit examinations for which the candidate had registered; Grades obtained by the candidate for examinations of those units; Grade Point Average; Degree result and the Class; Grade Points of respective grades and implications of grades; Date of validity of the Degree).

Language Policy

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The medium of the degree programmes of the Faculty of Applied Sciences in English. However in order to facilitate easy comprehension of lectures in Chemistry, Zoology, Physics, Mathematics and statistics, lectures will be conducted in English medium supplemented with Sinhala explanations during the 1st year. Those subjects from second year and all other subjects from first year will be conducted entirely in English medium from second year onwards. Papers will be set only in English and the candidate will have the choice of answering in Sinhala or in English. However in general degree programmes students can resort to answering in Sinhala to overcome the language barrier.

Period of Internal Studentship

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Student registered in the Bc (General) Degree Programme should complete the said programme within six academic years, commencing from the initial year of registration. For all Special Degree Programmes, the above requirement is seven years, commencing from the initial year of registration.

If any student fails to complete the relevant degree programmes in the time frame given above, they may not qualify to obtain the degree.

Changes of Courses and Examination Regulations

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The Faculty Board of Applied Sciences has the right to change any statement given above subject to approval of the senate.

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Students are strongly advised to obtain guidance from academic counselors prior to registration for courses / course units. Academic counselors of each subject are as follows.

| Department | Departmental Counsellor |
|----------------------------------|--|
| Botany | Prof. (Mrs.) N. Salim Dr. (Mrs.) P.N. Dasanayake |
| Chemistry | Dr. (Mrs.) Mahathanthila Prof. L . Karunanayaka |
| Food Science & Technology | Dr. (Mrs.) I .Wicramasinghe Dr. M.A.J. Wansapala |
| Forestry & Environmental Science | Prof. (Mrs.) Nilanthi Bandara Dr. (Mrs.) U.A.D.P. Gunawardana |
| Mathematics | Dr. Jayantha Lanel Dr. R. Sanjeewa |
| Physics | Dr. (Miss) D.N. Jayawardhana Dr. M.M.P.M. Fernando |
| Computer Science | Mr. D.D.A. Gamini |
| Zoology | Dr. W.A.D. Mahaulpatha Dr. R.R.M.K.P. Ranathunga |

| | Subject | | | |
|-----------------|------------------------------------|---|---|--|
| iirs | Coordinators 42 | Subject | Subject Coordinators | |
| Affa | | Biology | Prof. (Mrs.) S.M.D.A.U.De Alwis Dept. of Zoology | |
| Student Affairs | | Information Communications Technology | Dr. Ananda Edirisooriya Dept. of Comp. Science | |
| Stu | | Management Science | Mr. G.J.K. Silva Dept. of Mathematics | |
| | | Polymer Science & Technology | Dr. M.A.B. Prashantha Dept. of Chemistry | |
| | Student Affairs Committee (SAC) 43 | Sports Science and Management | Dr. S. D. M. Chinthaka Dept. of Chemistry | |
| | | To obtain advice on students welfare activities such as attendance, medical certificates, hostels and canteens, scholarship & bursaries the following student affairs committee has been appointed by the faculty board under the approval of the senate. | | |
| | | Dr. P. Geekiyanage - Dr. S. D. M. Chinthaka - Dr. S. M. C. U. P. Subasinghe - Dr. (Mrs.) P. K. N. Dasanayaka - Dr. T. G. I. Franando - Dr. Jagath Jaysinghe - Dr. Dr. Jagath Jaysinghe | Dept. of Zoology Dept. of Physics Dept. of Chemistry Dept. of Forestry & Env. Science Dept. of Botany Dept. of Mathematics Dept. of Computer Science Dept. of Food Science & Technology Chief Medical officer | |

Student Affairs

Students should find the following information very useful:

The help line for students 072 6885344

Director of student welfare Prof. Hemantha Kottawa

0112758330

Proctor Mr. A.R.P.C. Udayakumara

Deputy proctor Prof. M. Pathmalal

University Medical Officer 0112803199, 0112758499

Non-sinhala speaking students P. Buvanendiran

may contact: 077 8354727 / Email: buvanphyedu@gmail.com

Scholarships / Medal offered by the faculty

Dr. Sirimathie Wewala Scholarship Awarded to the Mathematics

special degree student who obtains the highest GPA in the first three years of the B.Sc. (Special) Degree for

Mathematics.

S. V. Wickremasinghe Scholarship Awarded to the student who

obtain highest GPA in the first year among the students with

economic difficulties.

Applied Science 78 Group Scholarship Awarded to the student who

obtains highest GPA in the first

year.

Jayantha Pathberia Scholarship

This scholarship is awarded to the student who obtains the

the student who obtains the highest GPA for Forestry and Environmental Science subject in the 1st and 2nd academic years

of the B.Sc. Degree.

Professor Tuly de Silva Gold Medal Awarded to the student who obtains highest GPA at the B.Sc.

Chemistry (Special) degree

examination.

| Professor G. C. N. Jayasuriya Gold Medal | Awarded to the student who obtains overall highest GPA for Chemistry subject in the B.Sc. general degree examination. |
|--|--|
| Dr. Sirimathie Wewala Gold Medal | Awarded to the student who obtains a First Class Pass with the highest GPA at the B.Sc.(Special) Degree in Mathematics. |
| Professor R. A. Dayananda Gold Medal | Awarded to the student who obtains a First Class Pass with the highest GPA at the B.Sc. (Special) Degree in Statistics. |
| Professor W. S. Fernando Gold medal and | (i) Awarded to the student who obtains highest GPA physical and Inorganic chemistry at the B.Sc. (Special) Degree in Chemistry. |
| | (ii) Awarded to a General Degree student with highest GPA in Statistics. |

Professor H. G. Nandadasa Gold Medal Awarded to the student who obtains

a First Class or Second upper Pass with highest marks in B.Sc. Special) Degree in Plant

Biotechnology.

Professor Piyasiri Amilasith Yapa Gold Medal Awarded to the student who obtains

a First Class Pass with highest marks in B.Sc. (Special) Degree in

Plant Biology.

Forestry and Environmental Science Gold Medal Awarded to the student who obtains

a First Class Pass with highest GPA in B.Sc. (Special) Degree in Forestry and Environmental

Science.

Chemical Industries Colombo Ltd. Prize

Award 1: This prize is awarded to

the student who obtains the highest GPA of the final examination in the B.Sc. Chemistry (special) degree.

Award 2: For 2 students who have obtained the highest GPA at the B.Sc. (Special) degree 3rd year ending examination.

L.A.C. Alles Award Awarded to the student who obtains

highest qualifications for the Food Science and Technology subject in the B.Sc. (Special) degree in

Chemistry.

Pro: Winstan Eric Ratnayake Memorial Award Awarded to the student

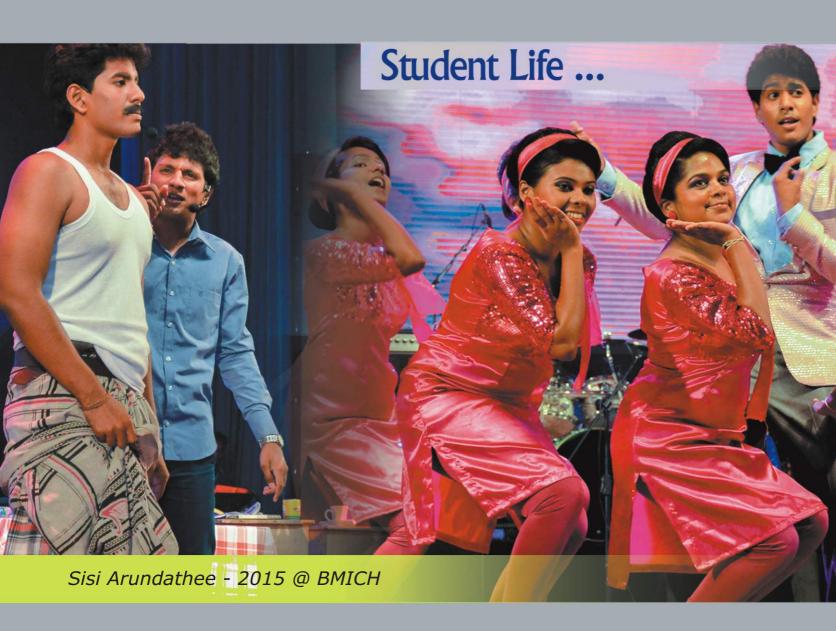
who obtains a First Class Pass with highest GPA in B.Sc. (Special) Degreein

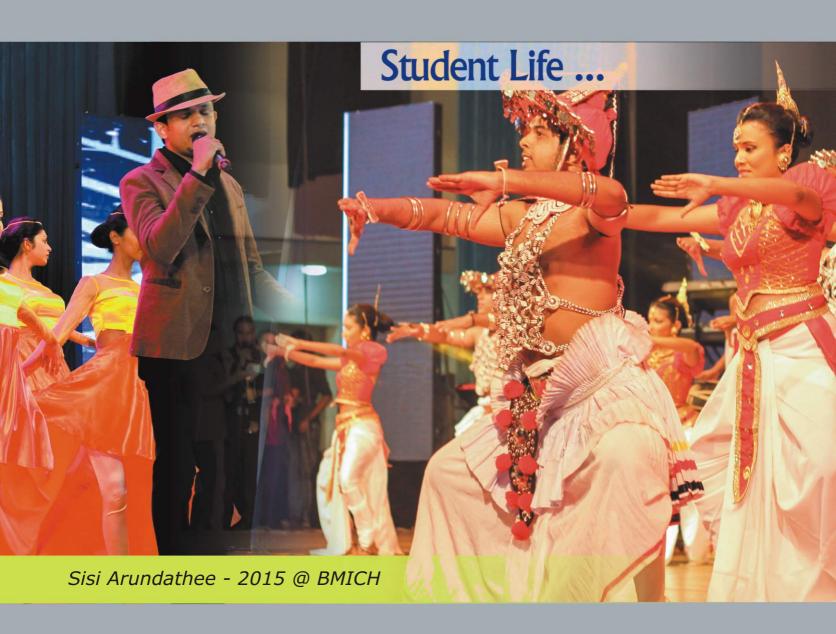
Zoology.

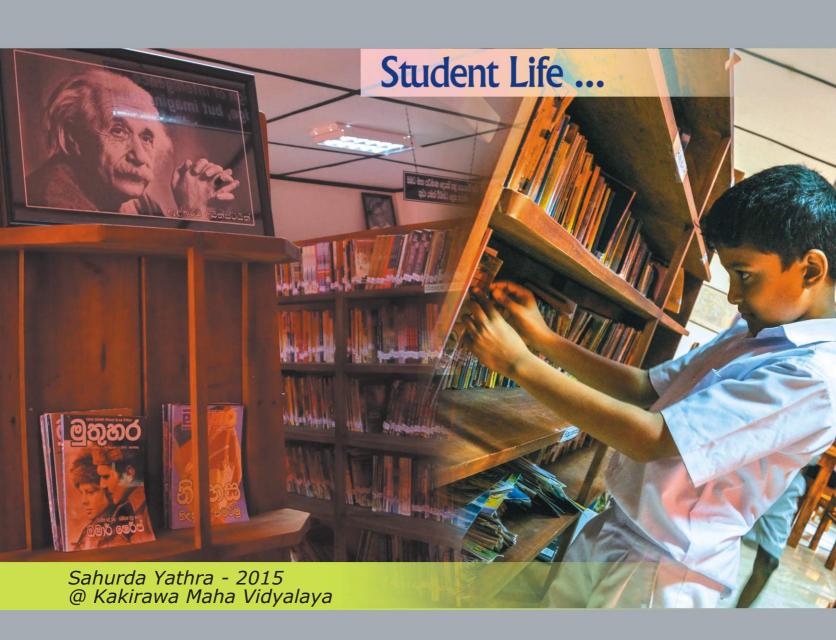
Virtusa Academic Merit Prize Awarded to the student

who obtains a First Class Pass with highest GPA in B.Sc. (Special) Degreein Computer Science.













The Alumni Association of the Faculty of Applied Sciences University of Sri Jayewardenepura

The Alumni Association of the Faculty of Applied Sciences, University of Sri Jayewardenepura was established on 16 March 2013 to foster a lifelong connection between the university and Alumni. The mission of the Alumni is to guide the university to achieve academic excellence by strengthening the ties between its communities.

The objectives of the association are:

- To encourage, foster and promote close relations between the Faculty and its alumni and among the alumni themselves,
- To promote, in the alumni body, an interest in the affairs and well-being of the Faculty,
- To provide and disseminate information regarding the Faculty, its graduates, staff and students, to the alumni,
- *To initiate and develop programs for the benefit of the alumni,*
- To assist and support the efforts of the Faculty in obtaining funds for its development,
- To serve as a forum through which alumni may support and advance the pursuit of academic excellence at the Faculty,
- To guide and assist alumni who have recently completed their courses of study at the Faculty to obtain employment and engage in productive pursuits useful to society,
- *To pursue any other activity consistent with the above objectives*

Office Bearers of the Association for 2013-2015

The President: Prof. Wimaladarma Abeywickrama

The Vice-Presidents:

Dr. Prasansa Kalukottege

Dr. Kamal Ranatunge

Mrs. Shimali Lokuge

General Secretary: Mr. Nimal Athukorala

Assistant Secretaries

Dr. Pahan Godakumbura

Mrs. Deepika Nethsinghe

Treasurer: Prof. Hiran Amarasekera

Assistant Treasurer: Mrs. Rasika De Silva

For more information, please visit: http://science.sjp.ac.lk/alumni/

FACULTY OF APPLIED SCIENCES

