

Program Outcomes

Department: Department of Environmental Studies

Program : MSc. Environmental Studies

The following are the programme outcome (PO) of the MSc Environmental Science Course

PO 1 : Become knowledgeable in the subject of Environmental Science and apply the principles of the same to the needs of the Employer/Institution /own Business or Enterprise.

PO 2 : Gain Analytical skills in the field/area of Environmental Science

PO 3 : Understand and appreciate professional ethics, community living and Nation Building initiatives

PO 4 : Competency in applying acquired knowledge and skills to manage Problems associated with environment

PO 5 : Apply decision making methodologies to evaluate solutions for Efficiency, effectiveness and environmental sustainability

PO 6 : Analyze issues and problems of local, national and international Concerns pertain to environment domain and act aptly

PO 7 : Apply effective, creative and innovative solutions, both independently and cooperatively, to present and future environmental problems

PO 8 : Initiative to create social consciousness on various environmental Problems.

Department: DEPARTMENT OF GEOGRAPHY

Program: MSc GEOGRAPHY

Analyse the dimensions of complex biophysical and social patterns in the world, and mold out young geographers with wide and deep knowledge about contemporary issues in geography. Critically examine various concepts, laws, theories, and models in geography and evaluate their significance at the local, regional, and global scales. Master and update the students in the developments in geographic information science and technology, through real-world practical applications Equip the learner to collect, analyse, and interpret geographic data and suggest potential solutions in socio-economic-ecological systems at the man-environment interface. Apply systems thinking as well as critical thinking skills to analyse contemporary issues and encourage inter-disciplinarily, multi-disciplinarily and trans-disciplinarily for developing a responsible geo community

Department: Department of Physics

Program : MSc Physics (Advanced Materials)

– Apply knowledge and skill in the design and development of Electronics circuits to cater to the needs of Electronic Industry. – Become professionally trained in the area of electronics,

optical communication, nonlinear circuits, materials characterization and lasers. → Excel in the research related to Physics and Materials characterization. → Demonstrate highest standards of Actuarial ethical conduct and Professional Actuarial behaviour, critical, interpersonal and communication skills as well as a commitment to life-long learning.

Department: Anthropology

Program : MA Anthropology

After completing the course the students will be able to demonstrate (i) a systematic, extensive and coherent knowledge and understanding of an academic field of study as a whole and its applications, and links to related disciplinary areas/subjects of study, including a critical understanding of the established theories, principles and concepts, and of a number of advanced and emerging issues/theories in the field of study; (ii) procedural knowledge that creates different types of professionals related to the disciplinary/subject area of study, including research and development, teaching and government and public service; (iii) skills in areas related to one's specialization and current developments in the academic field of study, including a critical understanding of the latest developments in the area of specialization, and an ability to use established techniques of analysis and enquiry within the area of specialization.

Department: Dept. of Mass Communication and Journalism

Program: MA Journalism and Mass Communications

The Department of Mass Communication offering M.A. Journalism and Mass Communication programme. The syllabus ensured job opportunities to those successfully completed the course. The content of the programme were designed in such way to guarantee life long expertise to the stake holders. When completed the first semester student shall be able to understand the basics of communication and mass communication, how communication become a catalyst for the development of a nation and human society. And also paved the way for academic realm of communication discipline. Moreover that, the students shall be expert in print media and its production aspects. • Shall acquire in-depth theoretical and practical knowledge of Mass Communication and Journalism and related study area. • Shall acquire in-depth theoretical and practical knowledge of Mass Communication and Journalism and related study area. • Shall be competent enough to undertake professional job as per demands and requirements of Media industry. Coming to second semester contents, students shall be expert in communication theories, Advertisement industry, its creative side and broadcasting industry students shall be aware of the current trends and new developments in the area of media, culture and society. They shall be expert in in about business journalism. In third semester contents were designed so as enable the students to become professional in Public Relations and Corporate communication, film/ documentary appreciation, film production and shall learn qualitative and quantitative research skills and demonstrate innovative ideas with entrepreneurial abilities. in fourth semester, they shall be aware about the media law and ethics, development communication and cyber media production. Students Shall become ethically committed law abiding media professionals adhering to the human values and enhance the leadership skills and become socially responsible citizen with global vision.

Department: History

Program : MA History

Students get basic knowledge about the nature of world, Indian and Kerala history. They recognize the uniqueness and progressive character and historical roots of World, Indian and regional areas social, political, economic, cultural system and identify the various themes on which research in history could be undertaken. Students form a perspective about History from past to present and study the relationship between everyday politics and neo-liberal economic policies in the present context. Besides student will be able to identify long-run and short-run trends in different sectors of economy and culture.

Department: Department of Molecular Biology

Program : MSc Molecular Biology

On successful completion of MSc Molecular Biology programme students will: (1) have an in-depth understanding of the basic and recent developments in the field of Molecular Biology, (2) acquire skills of critical, analytical and problem solving in order to enable them to be successful in various national and international examinations, (3) conduct independent work in a laboratory, (4) possess skills for independent thinking and in writing scientific proposal and presentations, and (5) capable of becoming successful academicians/researchers and/or entrepreneurs.

Department: Department of Management Studies

Program: MBA

Programme Objectives (POs) of MBA Course at Department of Management Studies: The MBA course of the department is designed with the following objectives 1. Develop and improve the awareness and knowledge about functioning of local and global business environment and society. 2. Competencies in quantitative and qualitative techniques. 3. Developing responsiveness to contextual social issues problems and exploring solutions, understanding business ethics and resolving ethical dilemmas. 4. Usage of various forms of business communication, supported by effective use of appropriate technology, logical reasoning, articulation of ideas. 5. Understanding leadership roles at various levels of the organization and leading teams.

Department: Biotechnology

Program : MSc Biotechnology

A post-graduate student upon completion of the programme is expected to gain the following attributes: •To train students drawn from different disciplines at Post-Graduate level in frontier and multidisciplinary areas of Biotechnology so as to equip them to be future scientists, teachers and entrepreneurs. • Competence for research and innovation in Biotechnology. • Gaining technical skills for the betterment of planet Earth. • Critical thinking ability to review scientific literature as steppingstone to research • Gain confidence for career choice. • Gain ability to work independently in choosing research topics as well as be part of teamwork. with

collaborative skills. • To attain confidence in scientific conversation and writing skills and knowing ethical behaviour.

Department: Microbiology

Program : MSc Microbiology

A post-graduate student upon completion of the programme is expected to gain the following attributes: •To train students drawn from different disciplines at Post-Graduate level in frontier and multidisciplinary areas of Biotechnology and Microbiology so as to equip them to be future scientists, teachers and entrepreneurs. • Competence for research and innovation in Biotechnology /Microbiology. • Gaining technical skills for the betterment of planet Earth. • Critical thinking ability to review scientific literature as stepping stone to research • Gain confidence for career choice. • Gain ability to work independently in choosing research topics as well as be part of team work with collaborative skills. • To attain confidence in scientific conversation and writing skills and knowing ethical behaviour.

Department: Department of law ,

Program : BA LLB

To inculcate legal knowledge, professional skills, professional ethics, legal aptitude, research aptitude, and practical knowledge through internship.

Department: Library and Information Science

Program : M. L.I. Sc.

A new breed of library professionals with research mentality is generated with thorough theoretical base on the subject. LIS students can blend the theoretical knowledge of the LIS with practical skills using ICT.

Department: Department of law,

Program : LLM

To acquire advanced and critical understanding of criminal law, foster professionalism and , improve teaching skills , research skills and aptitude.

Department: ECONOMICS

Program : MA Economics

1. Demonstrate a degree of mastery, at a level higher than the requirements in the appropriate master's program, over the area of the specialization of the program. 2. Carry out research independently and/or jointly in disciplinary or interdisciplinary Areas of Economics. 3.

Write and present a substantial report/document on issues or problems of concern to the program. 4. Demonstrate the ability to engage in independent and life-long learning in the broadest context of socio-technological changes. 5. Get wide range of job opportunities in industry as well as in government sector.

Department: MALAYALAM

Program : MA Malayalam

Students of fourth semester achieved dissertation writing skills. In other semesters students achieved analytical and explaining capacity

Department: Mathematics

Program : MSc Mathematics

1. Gain sound knowledge in Mathematics.
2. Be a good researcher/teacher in Mathematics.
3. Able to analyse mathematical problems and develop new ideas based on them.

Department: Statistics

Program: MSc Statistics

Gain sound knowledge in theoretical and practical aspects of Statistics. • Describe complex statistical ideas to non-statisticians. • Handle and analyse large databases with computer skills and use their results and interpretations to make practical suggestions for improvement. • Get wide range of job opportunities in industry as well as in government sector.

Department : Chemistry

Program: MSc Chemistry (Material science)

Understand how chemistry relates to the real world and be able to communicate their understanding of chemical principles to a lay audience and as well apply the knowledge when situation warrants.

Develop a better understanding of the current chemical principles, methods and theories with the ability to critically analyse at an advanced level.

Acquire solid knowledge of classical and modern experimental techniques and interpretation of results; thereby acquire the ability to plan and carry out independent projects.

Develop the qualities of time management and organization, planning and executing experiments.

Learn to search scientific literature and databases, extract and retrieve the required information and apply it in an appropriate manner.

Demonstrate proficiency in undertaking individual and/or team-based laboratory investigations using appropriate apparatus and safe laboratory practices.

Develop analytical solutions to a diversity of chemical problems identified from application contexts; critically analyse and interpret qualitative & quantitative chemical information's.

Set the scene to make use of the wide range of career options open to chemistry graduates.