



SREE NARAYANA COLLEGE KANNUR

ACCREDITED BY NAAC WITH 'A' GRADE (AFFILIATED TO KANNUR UNIVERSITY)

Sree Narayana College Kannur, P.O. Thottada, Kannur, Kerala, India - 670 007

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🌐 www.sncollegekannur.ac.in



1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability in transacting the Curriculum



CONTENTS

SELECTED PORTIONS FROM THE SYLLABUS DEALING WITH PROFESSIONAL ETHICS/ENVIRONMENTAL/HUMAN VALUES / GENDER BASED CURRICULUM

Sl. No	Department	Page Number
1	English	3
2	Economics	4
3	History	5
4	Botany	6
5	Chemistry	7
6	Zoology	8

English Common Course (ECC)- 2A04 ENG Readings on Gender

Name of the Course	Readings on Gender
Course Code	2A04 ENG
Semester Assigned	2
Number of Credits	3
Contact Hours per Week	4
Total Contact Hours	72
Prescribed Textbook	<i>Plural Perspectives</i> by Macmillan Publishers

Course Outcomes

1. Understand the basic themes and issues related to gender through articles, poems, stories, life writings and historical narratives.
2. Understand the divergent approaches towards gender issues.
3. Understand gender as a social construct and also as a site of struggle.
4. Critically engage with certain seminal topics that have become a part of gender studies.
5. Understand the basic gender issues faced by Kerala.
6. Appreciate and use gender sensitive and politically right terms and usages in everyday life.

Contents

Module – I (2 hours/week)

1. “An Introduction”- Kamala Das (Poem)
2. “Kitchen Rags”- Vijila Chirappadu (Poem)
3. “Dakshayani Velayudhan: A Life Sketch”- Meera Velayudhan (Biography)
4. “Learning to be a Mother: - Shashi Deshpande (Essay)
5. “Is this Desirable”- Lalithambika Antharjanam (Story)

Module – II (2 hours/week)

1. “Still I rise”- Maya Angelou (Poem)
2. “I am not that Woman”- Kishwar Naheed (Poem)
3. “Structural Violence and the Trans Struggle for Dignity”- Gee Imaan Semmalar (Essay)
4. “Gender Justice and Media”- Ammu Joseph
5. “Clothing Matters: Visiting the *Melmundusamaram* in Keralam”- K M Sheeba

CORE COURSE X:
DEVELOPMENT ECONOMICS

SEMESTER	COURSE CODE	HOURS PER WEEK	CREDIT	EXAM HRS
V	5B10ECO	4	4	3

COURSE OUTCOME

1. To make the students aware of the methodological and measurement issues relating to growth and development.
2. To enable the students to understand the theory and empirics of Development Economics with special reference to less developed countries
3. To provide an understanding about the various development issues and the development gap between policy and practice.

Module 1 -Introduction to Development Economics:

Concept of growth and development- Growth vs development debate Measures of economic Growth and limitations (GDP, Per Capita Income), Measures of economic development and limitations (PQLI, HDI, GDI, GEM HPI, MPI etc) Trend assessment in human development indices, Development gap, Dennis Goulet's core values of development, Introduction to Amartya Sen's capability approach, Development gap (15 hours)

Module II- Theories of Development

Development theories: Ideas of Adam Smith, Marxian theory of development, Rostow's stage of growth theory, Schumpeter's innovation theory, Balanced and unbalanced theory: big push theory- critical minimum effort theory- Low Level of Equilibrium Trap- Arthur Lewis theory- Nurkse theory of disguised unemployment as saving potential. Wage good model of Vakil and Brahmanada (20 hours)

Module III: Growth Models

Harrods- Domar growth model - Neo- Classical Theory of Growth by Solow- Kaldor's growth model, Joan Robinson's golden rule of capital accumulation (15 hours)

Module IV: Issues in Economic Development

Poverty and economic growth, Concept and measurement of poverty, Trends in poverty in India. Measures and strategies for poverty reduction. Inequality: Meaning, measurement and extent of inequality and national level. Economic growth and inequality, Kuznets inverted U hypothesis, Trends in inequality in India. Unemployment: concept, types and status of unemployment in India. Unemployment and economic growth, Concept of inclusive growth in development (22 hours)

Books for study

1. A P Thirlwall (2006), *Growth and Development, with Special Reference to Developing Countries*, Palgrave Macmillan.

GENERIC ELECTIVE COURSE 05

History of Human Rights

Semester	Course Code	Hours Per Week	Credit	Exam. Hours
V	5D05 HIS	2	2	2

Course Outcomes: students should be able to:

- CO1. Understand the historical evolution of the ideas and practice of human rights at transnational levels
- CO2. Demonstrate ability to critically reflect on the principles and practice of human rights
- CO3. Analyze, explain and respond to human right violations in the living surroundings of the learner
- CO4. Develop an attitude to respect basic rights of other people, hence to become a universal citizen

UNIT I: Origins of Human Rights

Concept of Human Rights – Magna Carta – The Bill of Rights, 1689 – John Locke’s Second Treatise of Government, 1690 – The Social Contract, 1762– United States Declaration of Independence, 1776– Declaration of the Rights of Man and of the Citizen, 1789 – Thomas Paine and The Rights of Man, 1791–Rights of Woman, 1792 -

UNIT II: Human Right Declarations in the Twentieth Century

Impact of World Wars - League of Nations – League Covenant 2 - H G Wells and the Rights of Man, 1940— Charter of the United Nations, 1945-- The Universal Declaration of Human Rights, 1948 – UN Human Rights Commission - Civil Rights Movement by Martin Luther King’s – Fight against Apartheid by Nelson Mandela - Role of Amnesty International and Human Rights Watch

UNIT III: Human Right Violations

Genocide – Racism – Slavery– Apartheid—Torture- Rejection of Right to food, education, health, house, work – Human Trafficking –Death penalty- Legal restrictions on freedom of expression and political rights – Suppression, killing and displacement for political, religious and cultural differences - Gender discriminations – Abuse of children – Human rights issues in India : Dalit and minority discriminations - Sikh massacre in Delhi – Gujarat Carnage - Developmental projects and displacement of *Adivasis*

CORE COURSE -10- ENVIRONMENTAL SCIENCE AND PHYTOGEOGRAPHY

Semester	Course Code	Hours per week	Credit	Exam Hours
6	6B10BOT/PLS	4+ 2	4	3

Course Outcomes

1. Understanding the fundamental concepts in ecology, environmental science and phytogeography.
2. Concept development in conservation, global ecological crisis, Sustainable development and pros and cons of human intervention.
3. Enable the student to appreciate bio diversity and the importance of various conservation strategies, laws and regulatory authorities.
4. Recognition of the need for more research to create a baseline data for sustainable exploitation- Think globally and Act locally
5. Analyse the interrelationship between the geography and pattern of distribution of plants.
6. Appreciate key concepts from economic, political, and social analysis as pertained to the design and evaluation of environmental policies and institutions.
7. Appreciate the ethical, cross-cultural, and historical context of environmental issues and the links between human and natural systems.
8. Reflect critically about their roles and identities as citizens, consumers and environmental actors in a complex, interconnected world.

ENVIRONMENTAL SCIENCE AND PHYTOGEOGRAPHY

Module-1 Introduction

2 Hrs

Definition, scope and importance of environmental science. Difference between ecology, environmental science and environmental studies, branches of ecology- autecology, synecology,

Module -2: Structure and function of an ecosystem

15 Hrs

Structure of freshwater, marine and forest ecosystem. Producers, Consumers and Decomposers. Factors affecting ecosystem- biotic and abiotic factors Trophic organization. Food chains- grazing, parasitic, microbial loop, food webs and types of ecological pyramids., Energy flow in the ecosystem- 10% law and flow diagram.
Productivity of ecosystem- Primary and Secondary Productivity. NPP and GPP
Biogeochemical cycles-complete, incomplete, Water, Gaseous- Nitrogen, Carbon, Sulphur, Phosphorus.

Module -3: Community structure and Dynamics

15 Hrs

Concept of habitat and ecological niche, Ecotone and Edge Effect. Concepts in ecospecies- Ecads and Ecotypes.
Techniques used in Plant community studies- Quadrat and transect methods-species area curve- density, frequency, abundance and dominance of populations- importance value index- construction of phytographs.
Ecological succession: Introduction, types, characteristic features, structure of each substages in Xerarch, Hydrarch and Mesarch.

CORE COURSE XVII: ENVIRONMENTAL CHEMISTRY

(DISCIPLINE SPECIFIC ELECTIVE COURSE)

SEMESTER	COURSE CODE	HOURS PER WEEK	CREDIT	EXAM HRS
VI	6B17CHE/PCH- A	3	3	3

Course Outcome

On successful completion of this course, students should be able to

CO1 Know the importance of environmental studies and methods of conservation of natural resources.

CO2 Describe the structure and function of an ecosystem and explain the values and Conservation of bio-diversity.

CO3 Explain the sources, environmental effects and control measures of various types of pollutions.

CO 4: Identify the toxic chemicals in environment and understand the sources, effects and treatment of heavy metal poisoning

CO5: Understand the methods of domestic water treatment, Sewage analysis and Sewage treatment

Contact hours 54

Unit I . Environmental segments (6 hours)

Environmental segments: Lithosphere, Hydrosphere, Atmosphere and Biosphere.

Atmospheric structure and composition - chemical composition of water in water bodies – (Ground water, river water and lake water, sea water wetlands)- Hydrological cycle.

Chemical Toxicology – Toxic chemicals in environment – Sources, effects and treatment of heavy metal poisoning – Pb, As, Cd, Hg, Cr, Cu & Co. Minamata and Itai-Itai diseases.

Unit II. Air Pollution (14 hours)

Pollutant-classification

Air pollution – Air pollutants –CO, NO_x, SO₂, H₂S, Hydrocarbons, particulate matter.

Acid rain and its effects.

Green house effect and global warming – climate change – ozone chemistry and ozone

[Type text]

JinXiong – Essential Bioinformatics; Cambridge University Press

Anilkumar et al. General informatics and bioinformatics. AneBooksPvt Ltd.

NeelamYadav – A Handbook of Bioinformatics; Anmol Publications.

Rajaraman V – Introduction to Information Technology; Prentice Hall.

Web Resources: <https://www.ncbi.nih.gov>, <https://www.ddbj.nig.ac.jp>,

<https://www.uniprot.org>, <https://www.ebi.ac.uk>

VI SEMESTER B. Sc. DEGREE PROGRAMME (Theory) ZOOLOGY

Core Course- 11

Code: 6B 11 ZLG

ENVIRONMENTAL SCIENCE

Credit: 4; Hours: 4/ week; Total Hours: 72hrs.

CO1. Able to describe the relation between abiotic and biotic factors.

CO2. Students are able to describe various biological interactions.

CO3. Students are able to understand how change in population affect the ecosystem

Unit I. Environment and ecosystem.

Abiotic factors – Electromagnetic spectrum, visible light, temperature, soil, water, air.

Biotic factors- Producers, consumers, decomposers. Ecosystem interaction and interrelationship between biotic and abiotic factors. **5 Hrs**

Unit II. Ecosystem Energetics

'Beti Bachao': Women empowerment through self-defense training organized by NSS Units



Women's day Seminar on women empowerment

Sree Narayana College, Kannur, promotes women empowerment through the activities of its Women's Cell, which plays a vital role in raising awareness on gender equality. One of the key events organized annually is the celebration of International Women's Day, marked by seminars that explore topics related to women's rights, health, and empowerment. These seminars provide a platform for students and faculty to engage in discussions on pressing issues affecting women, fostering awareness and encouraging active participation in creating a more equitable society.



SREE NARAYANA COLLEGE, KANNUR WOMEN'S STUDIES & WELFARE UNIT



International
Women's Day
2023
#EmbraceEquity



Speaker of the day

Dr. Malavika Binny

Assistant Professor and HOD

Department of History , Mangattuparamba Campus

Date: March 9, 2023

Time: 10 am

Venue: Auditorium

FELICITATING WOMEN WHO MADE THEIR MARK IN VARIOUS FIELD



Sajili Saleem

Singer/Designer/

Founder of salaa boutique

salaaglamartistry

@salaa kids

Salaastyleloft



Sherbin Ahamed

CEO of "Shimmer"

Bath and Body essentials

@shimmerbysherbin



Jashma Irfan

Mallufoodstories

Food Vlogger

Digital creator

Influencer

Sree Narayana college inculcating Human values

Sree Narayana College, Kannur, actively promotes human values through various community-oriented initiatives. The NSS unit fosters a spirit of compassion by organizing regular blood donation camps. A unique program called “Podichoru” provides meals to the underprivileged, highlighting the college's commitment to social welfare. During the COVID-19 pandemic, the Chemistry Department contributed to public health by formulating and distributing sanitizers to the local community. These efforts exemplify the college’s dedication to service and societal well-being. These are a few among many initiatives which reflects the institution’s goal of nurturing responsible and empathetic citizens.





Sree Narayana College fostering environmental values

Sree Narayana College is committed to promoting environmental protection through various initiatives aimed at conservation and sustainability. The institution actively engages students and faculty in preserving medicinal plants and raising awareness about their ecological significance. Through tree-planting campaigns and greening projects, the college enhances biodiversity on campus, contributing to a cleaner and healthier environment.

The Zoology Department plays a pivotal role by creating eco-friendly spaces, such as the butterfly garden and planting bird-attracting trees, fostering habitats for wildlife. These efforts not only beautify the campus but also encourage students to connect with nature and become advocates for environmental stewardship. Sree Narayana College continues to inspire future generations to embrace sustainable practices and protect our natural world.

NSS units of SN college also takes good attempt in developing a culture of environmental protection

Birds Club of Zoology department



Butterfly garden of Zoology department



GPS Map Camera

Elayavoor, Kerala, India
VC55+QH2, S N College Road, Elayavoor, Kerala 670007, India
Lat 11.859191°
Long 75.408711°
05/10/23 02:25 PM GMT +05:30

Google



GPS Map Camera

Elayavoor, Kerala, India
VC55+QCG, Elayavoor, Kerala 670007, India
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Long 75.408651°
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Google



GPS Map Camera

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Long 75.408816°
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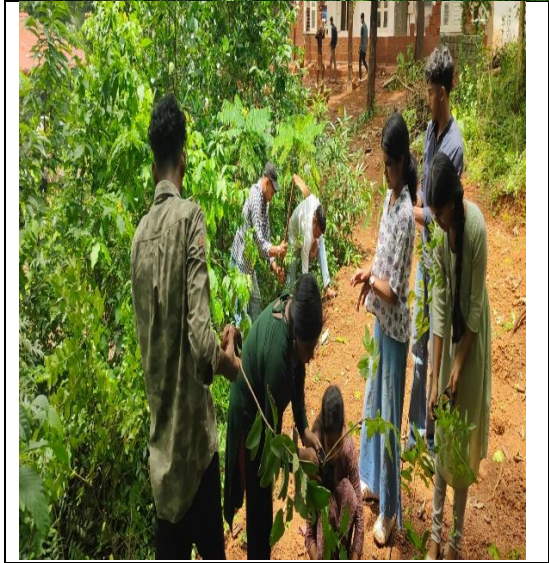


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Google

Nurturing of trees and medicinal plants by Botany department



NSS Activities for Environmental protection





Seminars on Environmental Awareness

**Workshop on Preparation of
Local Action Plan on
Biodiversity Management
In Muzhapilangad Panchayat**

27th November 2023 1:30 pm

Seminar Hall

Sree Narayana College Kannur

**Organized by: Department of Botany & IQAC
In Association with: Muzhapilangad Panchayat
& Kerala Biodiversity Board**



Department of Botany
S N College, Kannur & IQAC
Presents



WEBINAR



50
ANNIVERSARY

ACCORDING TO THE
TECHNOLOGICAL
COMMISSION



Magical Mangroves

A NATIONWIDE CAMPAIGN FOR MANGROVE AWARENESS,
LAUNCHED BY GODREJ BOYCE & WWF INDIA

TOPIC
MANGROVE
- THE WONDERS
OF NATURE



Monday,
09 NOV 2020



3:00 pm



Inauguration:
Dr. K. AJAYAKUMAR
(Principal, S. N. College, Kannur)



Key Speaker:
Dr. SREEJA P.
(Asst. Professor and Research Guide,
Sir Syed College, Kannur)



meet.google.com/snc-trxb-qae

Welcome:
Dr. K. P. PRASANTH
(HOD, Department of Botany,
S. N. College, Kannur)

Moderator:
APARNA P.
(Asst. Professor,
S. N. College, Kannur)

Felicitations:
Dr. TAJO ABRAHAM
(Asst. Professor and HOD,
Department of Botany,
Sir Syed College, Kannur)

Vote of thanks:
Dr. M. V. JEESHNA
(Asst. Professor,
Department of Botany,
S. N. College, Kannur)



For more details, contact: 94478 53914 | 9846770151

Sustainability

Sree Narayana College, Kannur, has implemented a rainwater harvesting system with the support of the MLA fund, aiming to address the persistent water scarcity in the surrounding areas. This initiative not only ensures a sustainable water source for the college but also benefits nearby communities by reducing dependency on external water supplies, especially during dry seasons. The system helps conserve groundwater, mitigates water runoff, and promotes environmental sustainability. By setting an example for other institutions, the college emphasizes the importance of water conservation and community welfare through practical solutions.



