

CROSS CUTTING ISSUES

Department of Commerce

The Department of Commerce follows the annual curriculum of Palamuru University. Students of First Semester have paper on **Environmental Studies**. This paper gives insight to the students regarding environmental issues and acts, with 2 credits under the Ability Enhancement Course. It is important for business study because companies that provide goods and services are responsible for protecting our natural resources. We have responsibility to conserve and protect the environment.

SEC 1: PRINCIPLES OF INSURANCE:

Students pursuing B.Com III semester has two skill enhancement papers. First one being the principles of insurance. This gives knowledge to the students regarding what are the principles that are to be followed for taking an insurance policy. Here the professional ethics are given much importance. While a policy holder taking policy has to be true to himself and to the company. In the same way company has to provide all the policy information to the policy holder. Fraud policies do not survive.

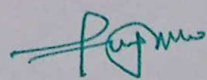
SEC2: PRACTICE OF LIFE INSURANCE:

Second skill enhancement course for III semester is practice of life insurance. This paper gives an overview to the students as how actually the insurance business started what are different types of policies. How a person can become an insurance agent. This is again an employment generation programme. How bonus is calculated on insurance policies. What are the documents needed for taking a policy, details of nominations and the procedure for receiving claims.

SEC3 and SEC4: Practice of General Insurance and Regulations of Insurance Business:

Students pursuing IV semester has SEC 3 and 4. It makes the students aware of what is actual general insurance. Except life insurance all other policies come under this. Since insurance aims at risk cover the IRDA act aims at regulating the insurance companies to follow the rules scrupulously.

As companies seek to tap into new growth makers and sources of revenue they are realizing the gender issues can impact the bottom line.


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Cross Cutting Issues -Zoology

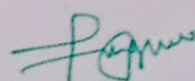
Zoology course curriculum includes the topics on Ecology and Environment, Animal behavior, Genetics, Evolution, Biotechnology and Physiology of Life systems in order to sensitize the students about the importance of Environment and its sustainability.

By studying the diversity of animals, the students are motivated towards conservation of Biodiversity. Analysis of animal behavior by the students brings a comprehensive understanding of Animal World.

Immunology sensitizes students on communicable and Non-communicable diseases and to lead a healthy Lifestyle.

Knowledge in Genetics helps in understanding congenital disorders, Blood group matching, Role of Rh factor in Genetically incompatible marriages.

In Humans Basic knowledge in Biotechnology helps to meet the growing needs in Medicine, Food science, Forensic science of Humanity. Under Applied Zoology section, students learn about Fisheries and Aquaculture, Dairy Science, Poultry science, Sericulture, Vermiculture, Apiculture as a source of self employment. Knowledge of Zoology makes sense only in the light of Evolution. Related awareness programmes on the above issues are periodically organized every year by involving students.



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Department of Sanskrit

INTEGRATING CROSS CUTTING ISSUES –

Relevant To Ethics /Human Values /Culture Into The Curriculum

Sanskrit syllabus includes not only Sanskrit literature it has its added value by involving the following issues.

The syllabus addresses

1.Human values and co-existence with flora and fauna

example - Eshaha Dharmaha Sanathanaha (1st sem)

2.Indian Heritage and Culture

Example - Dharma bhadho Dhaivarikaha (2nd sem)

3.National integrity Patriotism

Example - Chitrapata Darshanam (3rd sem)

4.Human values and personality development by Iconic personalities

Example - Vivekananda vijayam (4th sem)

5.Personality development

Example - Dhruvopakhyanam (4th sem)

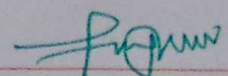
6. life skills

Example - Madhuropadesha (5th sem)

7.Teacher and student relation bonding

Example - Shishya Anushasanam (6th sem)

- The Affiliating University (PU) included Cross Cutting Issues related to Professional Ethics, Culture and Human values while Designing the Curriculum.
- Particularly for gender sensitization and gender equality the new syllabus has been incorporated with regular lesson content and student centric activities .The department is active in imbuing environment concerns and human values among the students by incorporating student centric activities like essay writing competition, Debates discussions and on field activities.
- We obtain student centric methods to make the classroom environment interesting and live by conducting debates, discussions, quiz, student seminars on various contemporary issues, we always try to give riddles and ethical proverbs to develop a student to fit in the society .

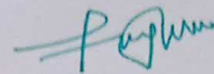


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EXAMPLE

1. Premanichina Prema vachhunu
2. Merese Danta Bangaram Kadu
3. Kastephalli
4. Dabulu urikeravu



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Department of Telugu

INTEGRATING CROSS CUTTING ISSUES - Relevant to Ethics /Human Values/Culture into The Curriculum

Telugu syllabus includes not only Telugu literature it has its added value by involving the following issues.

The syllabus addresses

1. Human values and co-existence with flora and fauna

Example - Venkanna first semester

2. Indian Heritage and Culture

Example - Rudramadevi first semester non- detailed text.

3. Journalism basics - 6th semester

4. Human values and personality development -

- Kasul u-in first semester
- Prapancha padalu -in second semester
- Naruda Nenu naduda Nenu - 4th semester
- Subhashithalu -4th semester

5. Research orientation - project work 6th semester

6. life skills

- Dharmajuni valkchathuryam 3rd semester
- vibhishan sharanagati 3rd semester

7. Gender sensitization and gender bias • Shakuntalopakhyanam 1st semester

8. Social awareness in 3rd semester

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- In Grammar:- At the end of each lesson – Reading Passages, Language items and Value Orientation proverbs are given for the improvement of culture, Human Values and Soft skills.


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Department of English

INTEGRATING CROSS CUTTING ISSUES - Relevant to Ethics /Human Values/Culture into The Curriculum

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- In Grammar:- At the end of each lesson – Reading Passages, Language items and Value Orientation proverbs are given for the improvement of culture, Human Values and Soft skills.

1. Actions speak louder than words
2. Time and Tide wait for no one
3. The Pen is Mightier than Sword
4. Necessity is the Mother of Invention
5. Faith can Move Mountains and etc.


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➤ Human Rights; Agencies of human Rights Protection.

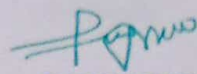
➤ Environmental Issues

➤ Development and Environment

➤ Liberty - A) Liberal B) Marxist C) Feminist

➤ Equality - A) Liberal B) Marxist C) Feminist

➤ Justice - A) Liberal B) Marxist C) Feminist



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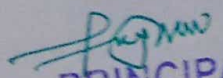
Jadcherla

Cross Cutting Issues

Department of Political Science

As Political Science subject is Interdisciplinary in nature, it these issues related to environment human values, gender issues so on. As per the university prescribed curriculum department of Political Science Dr. BRR Government Degree College, Jadcherla take up the issues such as gender, environment and sustainability, human values and professional ethics. The above topics have been transacted in papers like political theory, Political thought, constitution and politics of India, Social Movements in India and international Relations etc.

- Introduction to Social Movements: Meaning, Nature, Significance.
Rise of Social Movements.
- Issues in Social Movements: Depravation, Identity, Justice, Assertion
- Social Reform Movements
Anti- Brahmin Movement: Ramaswamy Naicker, Naryana Guru
Backward Class movements in Andhra Pradesh, Telangana and Tamil Nadu
Women's Movement
- Agrarian Movements
Bharat Kisan Union
Shetkari Sanghatana
Karnataka Rajya Ryta Sangha
- Environmental Movements
 - a) Chipko Movement
 - b) Narmada Bacho Andholan
- Assertion Movements
 - a) Adivasi Movement: Jharkhand
 - b) Dalit Movements in Maharastra, Telangana and Andhra Pradesh
 - c) Naxalite Movement: Andhra Pradesh, Telangana, and Chhattisgarh
- Fundamental Rights and Directive Principles:
- Fundamental Rights and Duties.
- Directive Principles of State Policy.
- Social and Political Movements in India
 - a) Farmers Movements.
 - b) Dalit Movements.
 - c) Tribal Movements.
 - d) Environmental Movements
 - e) Women Movement
- Statutory Commissions for Protection of Rights:
 - a) National Human Rights Commission (NHRC).
 - b) National Commission for Women (NCW).
 - c) National Commission for SC's (NCSC's)
 - d) National Commission for ST's (NCST's)
 - e) National Minorities Commission.


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Department of Hindi

Department of Hindi of Dr. BRR Degree College, is currently following undergraduate syllabus prescribed by palamuru university. This syllabus consists of many social and environmental aspects like Gender sensitization, Human values, Environmental issues etc.

Syllabus of 1st semester includes lessons like “Charitra Sangathan”, “Bharat Mein Sanskruthi Sangham” and “Bazaar Darshan” which promotes human values in students.

Lessons of 2nd semester like “Dharti ka Swarg”, Swami Vivekananda” also explains the importance of human values.

Lesson named “paryavaran Aur Hum” explains the importance of the environment.

Almost all the stories (10 stories) of 1st and 2nd semester encourage building successful human relations.

Poems of 3rd semester like “kabir ke dohe”, “tulsi ke dohe”, “Navayuvakon se”, “Phool Aur Kaante” and “Bhaarat” helps students in personality development.

Essays of 3rd semester like “Samaj Mein Nari Ka Sthan”, “Adhunik Shiksha aur nari” provokes gender equality. Essays like “vigna: vandan ya abhishap”, “Jeevan mein swachta kamahatav” explains the importance of protection of the environment.

Poems of 4th semester like “Rahim ke dohe”, “Bihari ke dohe”, “Tu Kyo Baite Gaya hai path par” explains human values and promotes optimism.

Essays of 4th semester like “Paryavaran aur pradushan”, “Bharat mein badhtihuyee jansankhya” alarms the importance of the environment.

The topics included in 5th semester explains about the different aspects of Hindi literature with examples of human values.

In 6th semester topics like feminism, Dalit literature, adivasi literature, Minority literature explained human values and gender sensitization among different parts of society.

It also includes topics like journalism and mass communication which promotes human values.


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BIOFERTILIZERS AND ORGANIC FARMING.(SEC)

Biofertilizers and organic farming is a potential approach for sustainable agriculture development. The proper feeding of the rapidly growing populations in developing countries is the most important challenge for mankind. Presently, about 800 million people in the world are suffering from chronic malnutrition due to shortage of suitable foods. In this context, improving agriculture to increase yield of crops without deteriorating the environment should be an ultimate goal. Continuous and excessive use of chemical fertilizers and other agrochemicals to increase yield may lead to groundwater contamination and depletion of soil nutrients, eventually resulting in reduction of crop yield. Biofertilizers and organic farming can replace chemical fertilizers to increase crop production. In principle, Biofertilizers and organic farming are less expensive and are more environmentally-friendly than chemical fertilizers. The knowledge on this subject useful to students for their sustainable agriculture development and for future employment.


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Department of Botany

The Department of Botany follows the curriculum of Palamuru University and it offers a paper on Environmental Studies for first semester students to inculcate the knowledge on environmental issues with 2 credits under the Ability Enhancement Course (AECC) for all courses.

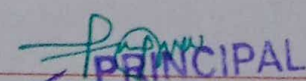
The Department of botany takes responsibility of teaching to the Life Sciences and Physical Sciences students. Palamuru University also offers a paper on NURSERY AND GARDENING and a paper on BIOFERTILIZERS AND ORGANIC FARMING for 3rd semester students to develop proficiency in the students towards self employment and the knowledge on agro related industries with 2 credits under the Skill Enhancement course (SEC). The Department of Botany teaches these two subjects to the Microbiology students.

Environmental Studies:(AECC)

This is a capability enhancement compulsory course. This subject brings together the principles of physical sciences, life sciences, economics and social sciences, to solve contemporary environmental problems. Environmental Studies may be a multi-disciplinary subject which systematically studies human interaction with the environment. The institution has four NSS units, where various social events are conducted like tree plantation, rallies within the neighborhood to make awareness about water conservation and energy conservation. Initially Environmental studies were taught in the second year but after the implementation of CBCS, it's been incorporated within the first semester curriculum. Hence, the implementation of this subject is to create awareness about environmental issues among students.

NURSERY AND GARDENING. (SEC)

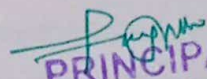
Nursery and Gardening can provide students an opportunity to investigate and compare the basic physical characteristics of plants, what helps or hinders their growth, and their response to stimuli and environmental growing conditions throughout the season. Students also have a chance to observe similarities and differences in the needs of various living things, and differences between living and nonliving things. Gardens can serve as living laboratories in which students see and experience first-hand what they are learning and, in turn, apply that knowledge to real-world situations. When students engage in hands-on gardening lessons, they show an increase in positive attitudes towards content material and learning. In general. Studies show that the education acquired in the garden can increase students' overall academic performance. It offers not only a wide range of options to the farmers for crop diversification, but also provides ample scope for sustaining a large number of Agro industries which generate huge employment opportunities. This sector has also started attracting entrepreneurs to take up Nursery and Gardening as a commercial venture. Therefore, there is a great scope for the students for self employment.


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Microbiology

Microorganisms and Human health

- Microorganisms play vital role in keeping environment and human health.
- There are many microorganism playing important as second skin for human body called as Normal flora of human body, which protects the body form invasions if various pathogens.
- Microorganisms play a role as environmental friendly in cleaning and degrading and conversion of material.
- Another side of it - they are truly pathogens causes various diseases.
- We faced drastic pandemic due to COVID- 19. In learning microbiology gives ample knowledge in maintaining personal and public health.


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Department of History

Ancient Civilizations, socio- religious cultural conditions in ancient medieval and modern periods in Indian History

1. Indus Valley Civilization - Its Features & Decline; Early Vedic and Later Vedic Civilizations – Vedic Literature – Society – Economy - Polity – Religion.
2. Bhakti and Sufi Movements Prominent Bhakti and Sufi Saints their Preaching's - Impact on Society and Culture - Emergence of Composite Culture.
3. Rise of New Religious Movements – Charvakas, Lokayathas, Jainism and Buddhism
4. Religion – Hindu-Muslim Relations – Emergence of Composite Culture – Education – Language and Literature
6. Socio-Religions Reform Movements – Brahma Samaj - Arya Samaj - Theosophical Society - Ramakrishna Mission - Aligarh Movement; Anti-Caste Movements - Jyotibha Phule - Narayana Guru - Periyar Ramaswamy Naicker and Dr. B.R. Ambedkar.
7. Impact of Tourism – Socio-Cultural Impact – Ecological & Environmental Impact – Economic Impact – Multiplier Effect – Political Impact and Government Policies – Tourism as an Industry – Future of Tourism in India.
8. Beginnings of Ancient Civilizations – Features - Mesopotamian Civilization - Beginning and Expansion - Contacts with Other Civilizations - Nature of Polity – Socio-Economic and Religious Conditions - Evolution of Script - Art & Architecture.
9. Egyptian Civilization - Origin and Spread – Polity - Society – Economy - Art and Architecture.
10. Indus Valley Civilization – Salient Features – Decline - China - Nature and Extent of Civilization – Polity – Society - Economy – Religious Beliefs - Philosophy and Culture.


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Department of Chemistry

Cross cutting issues

- The department of chemistry follows Palamuru university curriculum.
- It offers skill enhancement courses for sem III and sem IV students.

Environment and sustainability:

1. Remedial methods for pollution, drinking water and soil fertility:

This paper was offered by Palamuru University as skill enhancement course for Sem III students. This paper creates awareness on harmful effects of pollution like ozone depletion, global warming and also precautions to control pollution. Students will be aware of quality and common treatments for private drinking water systems. Students will acquire basic concepts of soil fertility like effects of PH, micro and macro nutrients on plants.

2. Chemistry of cosmetics and food processing:

This paper is offered by University as skill enhancement course for sem IV students. From this course students acquire knowledge about chemicals used in cosmetics, food adulteration and their impact on human health.


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DEPARTMENT OF ECONOMICS

The Department of Economics have Discipline Specific Elective paper – V (b), in the V semester of III year B.A., which gives the knowledge about the Population and Environment linkage – Economic development and environmental problems like Air, Water and Soil Pollution, Natural Resource Depletion, Deforestation, Industrial and Agricultural Pollution, Urbanization, Vehicular Pollution, Global warming and Green House effect.

Palamuru University-UG Syllabus

ECONOMICS OF ENVIRONMENT

Discipline Specific Elective (DSE)

Paper – V (b)

Module- I: Theory and Concept of Environmental Economics

Nature and Significance of Environmental Economics – definition and scope of environmental economics – Market Failure & Externalities – Theories of Environmental Economics.

Module- II: Environment and Economics

Environment and Economics- Inter linkage – Environment as a public good – Environment vs. Economic growth – Population and Environment linkage – Environmental use as an allocated problem – Valuation of Environmental damages: land, water, air and forest.

Module-III: Environmental Problems

Economic development and environmental problems – Air, Water and Soil Pollution, Natural Resource Depletion, Deforestation, Industrial and Agricultural Pollution, Urbanization, Vehicular Pollution, Global warming and green house effect – Environmental degradation.

Module-IV: Environmental Pollution Control

Prevention, control and abatement of pollution – Choice of policy instruments in developing countries – Environmental Education – Environmental law – Sustainable development – indicators of sustainable development – Environmental planning – Environmental accounting.

Module-V: Policy measures

Basic approach – Design of environmental policy – Indian environment policies and performance – Functions of Ministry of Environment and Forest and Pollution Control Boards.

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