

MODY UNIVERSITY OF SCIENCE AND TECHNOLOGY

Gender Courses

Mody University of Science and Technology

Open Elective in Law for all Undergraduate Programmes Choice Based Credit System (CBCS)

Paper Code: LF 100

Credits: 3-0-0-3

Paper Name: Gender Justice and the Law

Position of Women in Vedic, Post Vedic & Medieval period	[03]
Constitutional Provisions and Gender Justice – Relevant provisions relating to women in Fundamental Rights, Directive Principles of State Policy and Fundamental Duties etc. under the Indian Constitution	[06]
Laws Relating to Marriage, Divorce, Maintenance, Adoption and Succession under the relevant personal laws with special emphasis on Women and Maintenance under Code of Criminal Procedure, 1973	[12]
Provisions under the Indian Penal Code, 1860 (Sec. 292, 293, 294, 304B, 326A, 326B, 354, 354A, 354B, 354C, 354D, 370, 370A, 375, 376, 376A to 376E, 359 to 374, 494, 495, 497, 498A, 507 & 509)	[10]
Provisions under the Code of Criminal Procedure, 1973- relating arrest, search & seizure	
Socio-Legal position of women and the law – Dowry Prohibition Act, 1961 –Protection of Woman against Domestic Violence Act, 2005, The Prohibition of Child Marriage Act, 2006	[06]
Free Legal Aid for Women	[02]

Text Books: -

1. Myeni, Women and Law, Asia Law House, (2008)
2. Rao Mamta, Law Relating to Women and Children, EBC(2010)

Reference Books: -

1. Jaisingh Indira.: Law of Domestic Violence, New Delhi, ULPCo. (2007)
2. Anand Justice A.S.: Justice for Women- Concerns and Expressions, Jaipur, Bharat Law House (2004)
3. Jain M. P., Constitution of India, Recent Edition
4. Shukla V. N., Indian Constitution, Recent Edition
5. Goel A, Kaur M.: Violence Against Women: Issues and Perspectives, Deep & Deep Publication (2006)
6. Ajnes Flavia, Law as Gender Inequality, Oxford University Press (1999)
7. Relevant Reports of the Law Commission of India

COURSE DESCRIPTION
B. A. LL.B. (Integrated)
Third year
Fifth Semester

MODY UNIVERSITY OF SCIENCE AND TECHNOLOGY

LF 331	Family Law – I	4-1-0-5
	Introduction to Family Law: Application of Hindu and Muslim Law, Nature and Origin of Hindu Law, Muslim law as Applied and Interpreted in India, Schools of Muslim Law and Hindu Law, Migration and Change of Religion, Sources of Personal Laws.	[07]
	Marriage: Concept of Marriage in Personal Laws- A sacrament or Contract, Essentials of a Valid Marriage (Under the Personal Laws), Kinds of marriage and Effects of Void, Voidable and Valid Marriage, Forms of Marriage, Effects of Conversion.	[09]
	Joint Hindu family: Introduction, Coparcenaries, Karta- position and powers, Female may be a Karta or not.	[06]
	Dowry and Dower: Concept of Dowry in Hindu Marriage, The Dowry Prohibition Act, 1961, Effects of Demand and Payment of Dowry, Concept of Dower in Muslim Law, Types of Dower, Nature of Dower whether Heritable and Transferable, Wife's Right of Retention of Property in lieu of Mahr, Effects of Non-payment of Dower.	[09]
	Gift: Gift under Muslim Law i.e. Hiba, Kinds of Hiba, Wakf, Charitable Trust under Hindu Law.	[06]
	Matrimonial Reliefs: Concept and Meaning; Positive and Negative Remedies, Restitution of Conjugal Rights-Provisions in Hindu Law, Muslim and other Personal Laws, Restitution of Conjugal Rights and Cruelty (Domestic violence), Judicial Opinion regarding Constitutionality of the Remedy of Restitution of Conjugal Rights, Concept, Grounds and Effects of Judicial Separation, Theories of Divorce, Grounds of Divorce under Hindu Law, Muslim Law- The Special Marriage Act, 1954, Dissolution of Muslim Marriage Act, 1939, The Indian Divorce Act, 1869 and The Parsi Marriage and Divorce Act 1936.	[15]

Text Books :-

1. Kusum.: 2003, Family Law Lectures (Family Law I), Butterworths.
2. Saxena Poonam Pradhan.: 2005, Family Law Lectures (Family Law II), Butterworths.
3. Mahmod Tahir.: 2002, The Muslim Law of India, Butterworths.

Reference Books:-

4. Gandhi B.M.: 2005, Indian Law, EBC.
5. Nagpal R.C.: 2007, Modern Hindu Law, EBC.
6. Sarkar Golapchandra.: 2007, Shastri's A Treatise on Hindu Law, Wadhwa Publication.
7. Desai, Satyajit A.: 2005, Mulla's Hindu Law (Volume 1 and 2), Butterworths.
8. Mulla DF.: 1990, Mulla's Principles of Mohamedan Law, Butterworths.
9. Achar & Venkanna.: 2002, Dowry and the Law, Butterworths.

COURSE DESCRIPTION
B. A. LL.B. (Integrated)
Third year
Sixth Semester

MODY UNIVERSITY OF SCIENCE AND TECHNOLOGY

LF 332	Family Law - II	4-1-0-5
Maintenance: Provisions regarding Maintenance in Hindu Law, Muslim Law and Christian Law, Implications of the Muslim Women (Protection of Rights on Divorce) Act, 1986, Provisions in Cr.P.C. (Ss.125-128), Judicial Approach.		[8]
Guardianship and Adoption: Laws of Guardianship, Types of Guardian, Requisites of a Valid Adoption, Adoption by Foreign Parents, Effects of Adoption, Legitimacy and Legitimation, Acknowledgement of Sonship under Muslim Law, Surrogacy.		[8]
Law of partition: Concepts and Kinds, Who can Demand, Modes of Partition and Reunion, Deemed Partition.		[7]
Testamentary Succession & Intestate Succession: Will, Probate and Codicil, Execution, Attestation and Revival, Will under Muslim Law, Will under Hindu Law and Section 30 of Hindu Succession Act, 1956, Will under Indian Succession Act, 1925, General Principles of Succession under Hindu Law, Succession to Hindu Male, Succession to Hindu Female, Disqualified Heirs, Law of Inheritance under Muslim Law, Intestate Succession under Indian Succession Act, 1925, Stridhan and Section 14 of Hindu Succession Act.		[10]
Parentage and Legitimacy: Acknowledgment of Legitimacy, Brief Study of Section 112 of Indian Evidence Act, Legitimacy- Legal Status of Children Born of Void, Voidable Marriage under Hindu Law.		[7]
Family Courts: Object of the Family Courts Act, 1984, Powers, Functions and Jurisdictions, Achievements and Failures of Family Courts in India.		[7]
Uniform Civil Code: Uniform Civil Code, Implications, Efforts of Judiciary and Indian Legislature		[5]

Text Books :-

1. Kusum.: 2003, Family Law Lectures (Family Law I), Butterworths.
2. Saxena Poonam Pradhan.: 2005, Family Law Lectures (Family Law II), Butterworths.
3. Mahmod Tahir.: 2002, The Muslim Law of India, Butterworths.

Reference Books:-

4. Gandhi B.M.: 2005, Indian Law, EBC.
5. Nagpal R.C.: 2007, Modern Hindu Law, EBC.
6. Sarkar Golapchandra.: 2007, Shastri's A Treatise on Hindu Law, Wadhwa Publication.
7. Desai, Satyajit A.: 2005, Mulla's Hindu Law (Volume 1 and 2), Butterworths.
8. Mulla DF.: 1990, Mulla's Principles of Mohamedan Law, Butterworths.
9. Achar & Venkanna.: 2002, Dowry and the Law, Butterworths.

Course Objective

To change the way students think about and analyze behavior in organizations so that students become a more thoughtful and effective employee, co-worker, and manager.

Course Content

Introduction: Organisational Theories - Classical, Neo-classical and Contemporary. Organisational Behaviour: concepts, determinants, challenges and Formal and Informal structures; Flat and Tall structures. Opportunities of OB. Contributing disciplines of OB. Organizational Behaviour Models.

Individual Behaviour: Personality- Type A and B, Big Five personality types, Factors influencing personality; **Values and Attitudes-** Concept and types of values: Terminal value and Instrumental Value. Component of attitude, job related attitudes, measurement of attitude; **Learning** - Concept and Learning theories and reinforcement, Schedules of reinforcement; **Perception and Emotions-** Concept, Perceptual process, Importance, Factors influencing perception, perceptual errors and distortions, Emotional Intelligence. [15]

Group Decision making and Communication: Concept and nature of decision making process, Individual versus group decision making. Nominal group technique and Delphi technique. Communication and Feedback, Models of Communication. Transactional Analysis, Johari Window. [05]

Motivation: Meaning and Importance of motivation, Theories- Vroom's Valence - Expectancy Theory, Intrinsic motivation by Ken Thomas .Behaviour modification, Motivation and organisational effectiveness, Measurement of motivation using standard questionnaire; **Leadership, Power and Conflict:** Concept and theories, Styles of leadership, Behavioural approach, Situational approach, Leadership effectiveness. Power and conflict. Bases of power, power tactics; Sources of conflict, Conflict Resolution Strategies. [11]

Dynamics of Organisational Behaviour: Organisational Culture and climate- Concept and determinants of organisational culture. Developing Organizational culture. Organisational change- Importance, Stability vs. Change, Proactive vs Reaction Change, Change Process, Managing Change. Individual and organisational factors to stress; Work Stressors, Consequences of stress on individual and organization; Prevention and Management of stress. [08]

Text Books

1. Stephen P. Robbins, Timothy A. Judge, and Vohra Neharika (2017), *"Organizational Behavior"*, 16th Edition, New Delhi, Pearson Education.
2. John W. Slocum and Don Hellriegel (2007), *Fundamentals of Organizational Behavior*", 1st Edition, New Delhi, Thomson.

References:

1. Fred Luthans (2013), *"Organizational Behavior-An Evidence-Based Approach"*, 12th Edition, New Delhi, McGraw Hill.
2. Margie Parikh and Rajen Gupta (2010), *"Organizational Behavior"*, 1st Edition, New Delhi, McGraw Hill.
3. Udai Pareek and Sushama Khanna (2011), *"Understanding Organizational Behavior"*, 3rd Edition, New Delhi, Oxford University Press.

Note: Latest edition of text book and references must be used.

MODY UNIVERSITY OF SCIENCE AND TECHNOLOGY

Organizational Behavior MB.20.5313-1-0-4(Contact hrs: 39)

Course Objective:

To change the way students think about and analyze behavior in organizations so that students become a more thoughtful and effective employee, co-worker, and manager.

Course Contents

Introduction: Historical evolution of OB, Organizational structure, Management functions and roles, Developing an OB Model. [4]

Individual Behavior: Personality and values, Personality assessment instruments, Attitudes and job satisfaction, Perception and attribution, linking individual behavior to the workplace. Learning: Concept, Learning theories, Reinforcement, Administering reinforcement, Organizational behavior modification. [9]

Motivation: Definition and importance, early theories of motivation, Contemporary theories of motivation, Motivational tools in organization – Job characteristics model, Employee involvement, Rewards. [7]

Group Behavior: Concept of Groups, Stages of group development, Group properties, Group decision making, creating effective teams, turning individual into team players. Skills for Managing Teams: Communication, Conflict, Power and Influence, Emotional intelligence. [8]

Leadership: Concept, Leadership styles, Theories – Trait, Behavioral, Contingency; Finding and creating effective leaders. [6]

Managing Modern Organizations- Culture formation, Managing cross cultural differences, Innovation and learning organization. [5]

Text Books

1. Luthans, F. (2013), “Organizational Behavior-An Evidence-Based Approach”, 12th Edition, New Delhi, McGrawHillEducation.
2. Robbins, S.P., Judge, T.A. and Vohra, N. (2017), “Organizational Behavior”, 16th Edition, New Delhi, PearsonEducation.

Reference Books

1. Newstrom, J.W. (2007), “Organizational Behavior-Human Behavior at Work”, 12th Edition, New Delhi, McGrawHillEducation.
2. Pareek, U. and Khanna, S. (2011), “Understanding Organizational Behavior”, 3rd Edition, New Delhi, OxfordUniversity Press.
3. Parikh, M. and Gupta, R. (2010), “Organizational Behavior”, McGraw Hill Education.

COURSE DESCRIPTION
B. A. LL.B. (Integrated)
Second year
Fourth Semester

MODY UNIVERSITY OF SCIENCE AND TECHNOLOGY

LF 272	Women and Criminal Law	4-1-0-5
	Position during Vedic, Post Vedic & Medieval Period	[03]
	Position Under the Indian Constitution	[06]
	Protection of Woman against Domestic Violence Act, 2005	[08]
	Dowry (Prohibition) Act, 1961	[06]
	Provisions under the Indian Penal Code, 1860 (Sec. 292, 293, 294, 304B, 326A, 326B, 354, 354A, 354B, 354C, 354D, 370, 370A, 375, 376, 376A to 376E, 359 to 374, 494, 495, 497, 498A, 507 & 509)	[10]
	Provisions under the Code of Criminal Procedure, 1973- relating arrest, search & seizure, Sec. 125	[04]
	Immoral Traffic (Prevention) Act, 1956	[06]
	The Indecent Representation of Women (Prohibition) Act, 1986	[03]
	The Prohibition of Child Marriage Act, 2006	[06]

Text Books: -

- a. Myeni, Women and Law, Asia Law House, (2008)
- b. Rao Mamta, Law Relating to Women and Children, EBC(2010)

Reference Books: -

1. Jaisingh Indira.: Law of Domestic Violence, New Delhi, ULPCo. (2007)
2. Anand Justice A.S.: Justice for Women- Concerns and Expressions, Jaipur, Bharat Law House (2004)
3. Jain M. P., Constitution of India, Recent Edition
4. Shukla V. N., Indian Constitution, Recent Edition
5. Goel A, Kaur M.: Violence Against Women: Issues and Perspectives, Deep & Deep Publication (2006)
6. Ajnes Flavia, Law as Gender Inequality, Oxford University Press (1999)
7. Relevant Reports of the Law Commission of India

COURSE DESCRIPTION
B.A.LL.B. (Integrated)
Fifth year
Ninth Semester
Batch: 2019-2020

MODY UNIVERSITY OF SCIENCE AND TECHNOLOGY

LF 543	Human Rights and Humanitarian Law	4-1-0-5
	Meaning of Human Rights, Concept, Origin and development of Human Rights, Classification of Human Rights Theories of Human Rights, and Historical Development of Human Rights.	[4]
	Human Rights and United Nations Organizations , Human Rights and UN Charter, International Human Rights Bill and Role of U.N.O. The Universal Declaration of Human Rights, 1948, International Covenant on Civil & Political Rights, 1966, ICSEC (International Covenant on Social Cultural & Economic Rights, 1966.	[8]
	Indian Constitution & The Human Rights : Fundamental Rights, Directive Principles of State Policy	[8]
	Jurisprudence of Indian Judiciary & Human Rights : Role of the Supreme Court & High Courts, The Protection of Human Rights Act, 1993, National Human Right Commission and State Human Right Commission, Role of NGO's,	[10]
	Human Rights of Marginalized class of the society. Human Rights of Women, International Convention on the Elimination of All forms of Discrimination Against women, 1979; Beijing conference, 1995; Convention on Rights of Child, 1989, Human Rights of disabled and accused, and Right against Torture	[8]
	International Humanitarian Law : Basic principles of International Humanitarian Law, Geneva Convention, 1949, Two Protocols of 1977, Geneva Convention, 2005, Rights of Prisoners of War, Rights of civilians, Women and International Humanitarian Law	[8]
	Implementation Mechanism at International level: International Criminal Court, Role of Human Right Commission International Court of Justice	[6]

Suggested Case Laws: -

1. *Aruna Ramchandra Shanbaugh v. Union of India*, AIR 2011 SC 1290
2. *Dr. B. L. Wadehra v. Union of India*, (1996) 2 SCC 594
3. *Rudal Shah v. State of Bihar*, AIR 1983 SC 1086
4. *Virendra Gaur v. State of Haryana*, AIR 1991 SC 420
5. *Chairman Rly Board v. Chandrima Das*, AIR 2000(2) SCC 465
6. *Ramchandra Rao v. State of Karnataka*, AIR 2002 SC 1856
7. *M. C. Mehta v. State of Tamilnadu*, (1991) SCC 283
8. *Bandhua Mukti Morcha v. Union of India*, (1997) 3 SC, AC 755
9. *Vishaka v. State of Rajasthan*, AIR 1997 SC 3510

Text Books:-

1. Shukla. H.M. ,Indian Constitution (EBC, Lucknow)
2. Jain, M.P., Constitution of India (Lexis – Nexis), 2009
3. Gupta, S.P., International Law & Human Rights (Law Pub. Pvt. Ltd, Allahbad), 2009
4. Pandey, J.N., Constitution of Indian (CP, Allahbad), 2008

Reference Books :-

1. Prof. Upendra Baxi – Future of Human Rights(Oxford), 2008

MODY UNIVERSITY OF SCIENCE AND TECHNOLOGY

Women Entrepreneurship

MB.20.552

3-1-0-4 (Contact Hrs: 39)

Course Objective

Gender is a critical factor as it shapes our understanding of whom and what can be legitimately recognized as an entrepreneur. This course seeks to develop an understanding of a woman entrepreneur and the specific requirements and conditions that affect the same.

Course Contents

Woman Entrepreneur: Profile of women-owned businesses, Typology of female entrepreneurs, The Socio-economic context of female entrepreneurship - Labour market structure, occupational segregation, gender pay gap, work-life balance, workplace discrimination, glass ceiling effect, sexrole inventory, gender role expectations of society, stereotyping, perception towards female underperformance. [8]

Feminist approaches: Defining gender, Sensitivity and women, Role expectations for women, House work versus office/business work, Double roles of women, Role of women in family businesses, The 5M framework, Female networking, gender roles and activities, Resources- Access to entrepreneurial capital, Social capital, Human capital, Financing women owned businesses, Accessing finance, Challenges faced by women entrepreneurs, Venture capital funding for women. [8]

Entrepreneurship as empowerment: High technology entrepreneurship and women entrepreneurs, Science and technology enterprises, Gender and technology, Entrepreneurship, Gender and empowerment, Entrepreneurial opportunities for women, Motivating women entrepreneurs. [7]

Women entrepreneurs in India: Rural and urban, Roles, Education levels, Social roles and perception of women, Potential projects, Social entrepreneurship, Role of women in the economy, Role of women in the earning potential of a household, Reception of women entrepreneurs, Obstacles faced by women entrepreneurs, Needs of women entrepreneur, Efforts to increase women entrepreneurship in India, Programs for women entrepreneurs, Institutions engaged in promoting women entrepreneurship. [10]

Case studies of Women entrepreneurs. [6]

Text Books:

1. McAdam, M., Female Entrepreneurship, Routledge
2. Case Studies = Menon, S., Leading Ladies, Vol. I and II, Fortytwo Books, Mumbai.

References Books:

1. Lavanya, T., Women Empowerment through Entrepreneurship, New Century Publications
2. Kumar, Anil, Women Entrepreneurship in India, Regal Publications
3. Singh, A.K., Suguna, K. and Reedy, R.V.M, Women Entrepreneurship, Vol. I & II, Serials Publications
4. Guillen, M.F. , Women Entrepreneurship, Routledge
5. Kirpal, A., Women Entrepreneurs, Sage Publishers
6. Jauhari, V., Griffy-Brown, C., Women, Technology and Entrepreneurship, Reference Press

MODY UNIVERSITY OF SCIENCE AND TECHNOLOGY

WOMEN LEADERSHIP AND BUSINESS

MB.20.541

3-1-0-4

- Women in Management:** Current status of women leaders, Concepts of gender and leadership in Indian culture, Global gender perspectives in business, Confronting problems faced by women in organizations, Human resource management for gender diversity, Identity and social networking, Legal perspectives for women in India, Working women in emerging markets. [6]
- Leadership:** Concept, Leadership development for women, Leadership identity, Leadership assessment, Aligning leadership strategy and style with personal values and self-image, Personal brand in the workplace, Successful women leadership models abroad. [6]
- Building Leadership Potential** Self-awareness, Emotional intelligence, Leading and managing teams, Interpersonal skills, Conflict management, Managing and leading teams, Effective negotiations. [8]
- Leadership Communication:** Persuasion and argumentation, Thinking through a management situation, Presentation skills, Communication analytics. [6]
- Developing a Leadership Style:** Leading with authenticity, Strategies for implementing personal change, Leveraging talent in teams, Diversity inclusion, Coaching sessions in small groups. [5]
- Managing in a digital age:** Data Analytics, Digital Marketing, Identity and social networking [3]
- Business Transformation:** Bird's eye view of organizational functioning – Finance, Marketing, HR and Operations Management of systems - Entrepreneurial skills, Strategic leadership. [5]

MODY UNIVERSITY OF SCIENCE AND TECHNOLOGY

Environment & Sustainability Courses

MODY UNIVERSITY OF SCIENCE AND TECHNOLOGY

EV20.102	Environmental Studies	4-0-0-4
Course	To develop the conciseness among the students for Environmental Conservation and Sustainability and to connect the students directly with nature and nature conservation for becoming a responsible citizen of India.	
Outcome	Multidisciplinary nature of environmental studies; components of environment – atmosphere, hydrosphere, lithosphere and biosphere. Scope and importance; Concept of sustainability and sustainable development.	9
	Ecosystems: What is an ecosystem? Structure and function of ecosystem; Energy flow in an ecosystem: food chain, food web and ecological succession. Case studies of the following ecosystems: a) Forest ecosystem b) Grassland ecosystem c) Desert ecosystem d) Aquatic ecosystems (ponds, streams, lakes, rivers, oceans, estuaries).	10
	Natural Resources: Renewable and Non-renewable Resources: Land Resources and land use change; Land degradation, soil erosion and desertification. Deforestation: Causes and impacts due to mining, dam building on environment, forests, biodiversity and tribal populations. Water: Use and over-exploitation of surface and ground water, floods, droughts, conflicts over water (international & inter-state). Heating of earth and circulation of air; air mass formation and precipitation. Energy resources: Renewable and non-renewable energy sources, use of alternate energy sources, growing energy needs, case studies.	08
	Biodiversity and Conservation: Levels of biological diversity :genetic, species and ecosystem diversity; Biogeography zones of India; Biodiversity patterns and global biodiversity hot spots. India as a mega-biodiversity nation; Endangered and endemic species of India Threats to biodiversity: habitat loss, poaching of wildlife, man-wildlife conflicts, biological invasions; Conservation of biodiversity: In-situ and Ex-situ conservation of biodiversity. Ecosystem and biodiversity services: Ecological, economic, social, ethical, aesthetic and Informational value.	08
	Environmental Pollution: Environmental pollution : types, causes, effects and controls; Air, water, soil, chemical and noise pollution. Nuclear hazards and human health risks. Solid waste management: Control measures of urban and industrial waste. Pollution case studies.	8
	Environmental Policies & Practices. Climate change, global warming, ozone layer depletion, acid rain and impacts on human communities and agriculture. Environment Laws : Environment Protection Act; Air (Prevention & Control of Pollution) Act; Water (Prevention and control of Pollution) Act; Wildlife Protection Act; Forest Conservation Act; International agreements; Montreal and Kyoto protocols and conservation on Biological Diversity (CBD). The Chemical Weapons Convention (CWC). Nature reserves, tribal population and rights, and human, wildlife conflicts in Indian context.	7
	Human Communities and the Environment: Human Communities and the Environment. Human population and growth: Impacts on environment, human health and welfares. Carbon foot-print. Resettlement and rehabilitation of project affected persons; case studies. Disaster management: floods, earthquakes, cyclones and landslides. Environmental movements: Chipko, Silent valley, Bishnios of Rajasthan. Environmental ethics: Role of Indian and other religions and cultures in environmental conservation. Environmental communication and public awareness, case studies (e.g., CNG vehicles in Delhi).	6
	Field work: Visit to an area to document environmental assets;	5

river/forest/flora/fauna, etc. Visit to a local polluted site – Urban/Rural/Industrial/Agricultural. Study of common plants, insects, birds and basic principles of identification. Study of simple ecosystems-pond, river, etc.

Environmental Science: Definition, scope and importance, Multidisciplinary nature.

[2]

Ecology and Life Sustaining Process: Origin, evolution and diversification of life; natural selection; levels of selection. Ecosystem structure, functions; nutrient cycles; biomes; habitat ecology; primary and secondary productivity; Population ecology; metapopulation dynamics; growth rates; density growth; niche concept; Species interactions: Biodiversity and bio conservation; genetic drift; biogeography and evolutionary ecology (Indian context only); gene-environment interaction; Endangered and endemic species of India.

[4]

Present civilization and its engine: Empowerment through Science and Technology: Its power and its consequences. The strongest contemporary ideas of science and their consequences on society. Industrial Civilization and its engine. Economics and its limitations: meta economics Psychology: The Anatomy of Greed, Envy and Vanity (Freud's Psychoanalytic perspective, Hans Selye Stress Model; Self-regulation techniques) Unsustainable development. Traditional methods of protecting nature

Suggested Case studies:

- i) Cultural Basics of our Environmental Crisis:
- ii) Ecofeminism

[5]

Natural Resources (Renewable and Non-renewable Resources): Natural resources and associated problems. Forest resources – Use and over-exploitation, Mining, Dams and their effects on forest and tribal people. Water resources – Use and over-utilization of surface and Ground Water, Mineral resources – Use and exploitation, Role of an individual in conservation of natural resources

Suggested Case Studies:

- i) What has posterity ever done for me?
- ii) Energy policy and further future: The identity problem

[5]

The story of Commons: Definition, Causes, Effects and Control measures of Air Pollution, Water Pollution, Soil Pollution, Marine Pollution, Noise Pollution and Thermal Pollution, Nuclear hazards. Disaster management – Floods, water logging, salinity, Drought, Earthquakes, Cyclones and Landslides.

Suggested Case Studies

- i) The tragedy of commons:
- ii) We all live in Bhopal
- iii) The Silent Spring;

[5]

Social Issues and the Environment: Urban problems related to Energy, Water conservation, Rainwater Harvesting, Watershed management, Environmental ethics – Issues and possible solutions, Climate change, Global Warming, Acid Rain, Ozone layer depletion, Nuclear accidents and holocaust.

Population growth, variation among nations. Population explosion—Family Welfare Programme. Environment and human health. Human rights. Value education. Role of Information Technology in environment and human health.

Suggested Case Studies:

- i) Earth the Crowded Planet
- ii) Famine Affluence and morality
- iii) The world food supply

[5]

Protection and Prevention of Environment with Special intervention:

Environment Protection and the Law:

Constitution Provisions Relating to Environment, Constitutional provisions about states powers concerning acquisition, regulation and distribution of natural resources (water, forests, mines, oil).

Primary Protective Laws: Environment Protection Act, 1986, Water (Prevention and Control) Act, 1974, Air (Prevention and Control) Act, 1981, Forest Act, 1927, Forest Conservation Act,

1980, Biodiversity Act, 2002, National Environment Tribunal Act, 1995, National Environment Appellate Act 1997, the Scheduled Tribes and Other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006, National Green Tribunal Act, 2010.

Secondary Laws: Noise pollution regulations: Environment Impact Assessment (EIA), rules relating to waste management (Solid wastes, hazardous wastes, bio-medical wastes, The Coastal Regulation Zone Notification). Role of information technology in environment and human health, Greenhouse, its effect, remedies and international declaration related to it.

[5]

Sustainable Development (Objective and Application):

Introduction: Dysfunctional civilization, Vision of sustainable world, Satyagraha for Conservation, Buddhist Attitude towards nature, Buddhists Economics

Case studies

- a. **Management Sciences:** Carbon Credits and Trading, green marketing and cause related marketing
- b. **Science and Engineering Issues:** Organic farming, Renewable energy.
- c. **Built Environments:** Sustainable site planning, management of waste and its reduction, Low energy building materials and its implications, embodied energy, different case studies
- d. **Sustainable fashion:** Online study of eco-fashion brands; how India can lead?
- e. **Judicial activism**

[9]

Field Trip & Report writing: (Any one of the following)

- i) Visit to renewable energy site
- ii) Visit to biodiversity park
- iii) Workshop on sustainable fashion
- iv) Shekhawati and its environment
- v) Morarka Foundation (organic farms) Nawalgarh/ Piplantri village Rajsamand district

[3]

Suggested Books:

Text Book

- i) Environmental Science: A Global Concern, Cunningham William P. Saigo B Woodworth, McGraw-Hill Higher Education; Sixth Edition (2001)
- ii) Odum E. P. Barret G.W Fundamental of Ecology, 5th Edition Cengage Learning, (2004)

Reference Book

- i) Environmental Law, S.C Shastri, 5th Ed EBC Explorer, India, (2015)
- ii) Introduction to Psychology, C.T Morgan, R.A King, J.R. Weisz, J. R., & J. Schopler, International Student edition, Tata McGraw Hill, New Delhi (1986)
- iii) Small is Beautiful: Economics as if People Mattered E.F. Schumacher, Blond and Briggs, London (1973)
- iv) Heywood V.H. & Watson R.T. 1995. Global biodiversity assessment, Camb ridge Univ. Press
- v) Our Common Future, Report on World Commission on Environment and Development United Nations Document (1987)
- vi) Al Gore, Dysfunctional Civilization: The Earth in Balance, Houghton, Mifflin, (1992)
- vii) Lester Brown, Christofer Favin, Sandra Postel, Vision of a Sustainable World, The Worldwatch Reader, Ed Lester R. Brown New York (1991)
- viii) W.P. Pruden and S.H. Anderson, Environmental Sciences, Charles. E., Meredith Publication, NY, USA (1983)

Mongraphs for suggested Case Studies :

- ix) Cultural Basics of our Environmental Crisis: **Lweis W. Moncrief, Science Vol 170, 508-12 (1970)**
- x) Ecofeminism: **Karen J Warren** Environmental Ethics, Vol 12 (1990)
- xi) Satyagraha for Conservation : Awakening the spirit of Hinduism: **O. P. Dwivedi** Ethics of Environment and Development, Edited by Engel and Engel, Bellhaven Press, UK (1990)
- xii) Buddhist Attitude towards nature: **Lily De Silva**, The Buddhist Attitude towards

- Nature, Ed: K.Sandell, Buddhist Publication Society, Sri Lanka (1987)
- xiii) What has posterity ever done for me?: **Robert Heilbroner, Times Magazine, New York (1975)**
- xiv) Energy policy and further future: The identity problem: Derek Parfit, Energy and the future , Eds MacLean and Brown, (1983)
- xv) The tragedy of commons: **Grrettn Hardin, Science, 162 (1968)**
- xvi) We all live in Bhopal: **George Bradford , Questing Technology, Freedom Press, US (1988)**
- xvii) The Silent Spring: **Rachel Carson, Houghton Mifflin Co, US (1962)**
- xviii) Earth the Crowded Planet: **Tristram Coffin, The Washington Spectator, Vol 17.15 (1991)**
- xix) Famine Affluence and Morality: **Peter Singer, World Hunger and Moral Obligation Ed William Aiken, Hugh, Lafollette, (1977)**
- xx) The world food supply: **Tristram Coffin, Washington Spectator, Vol 19.2, 1993**

Films Shortlisted with their synopsis

First Unit: Environmental Science

1. **Home (2009):** Home is a documentary by YannArthus-Bertrand. The film is almost entirely composed of aerial shots of various places on Earth. It shows the diversity of life on Earth and how humanity is threatening the ecological balance of the planet. The film had its world festival premiere at the Dawn Breakers International Film Festival in 2012. Before the festival premier, it was released simultaneously on 5 June 2009, in cinemas across the globe opening in 181 countries.
The film received a large response upon release, receiving over 400,000 combined views within the first 24 hours on YouTube. As of June 2014, the French, English, German, Spanish, Russian and Arabic versions on You tube logged a total of more than 52 million views. It was shown to high ratings on channels around the world including the international network National Geographic Channel. France2 debuted the film to over 8.3 million viewers in France alone. In India, Home was shown exclusively via the STAR World cable network
2. **National Geographic: Human Footprint (2008)** - Graphically illustrates the environmental impact each of us has on the planet. The Human Footprint uses statistics and great visual aids to show the impact of each human on the environment. For example, did you know that it takes more than 1800 pints of crude oil to provide enough disposable diapers for one child. During the film viewers learn about how some of the conveniences of modern life impact the environment.

Second Unit: Ecology and Life Sustaining Process

3. **Revolution (2015):** Film-maker Rob Stewart brings us on an adventure 3.5 billion years in the making – from the evolution of life to the revolution underway to save us. Filmed over four years in 15 countries, Revolution captures some of the most remarkable wildlife spectacles ever recorded, and gives audiences a firsthand look into the biggest battle ever fought. Discovering that its not just sharks that are in jeopardy – but us – Stewart looks to the evolution of life and past revolutions in order to uncover the secrets necessary to save our world. Joining the activists and youth fighting to save their future, Stewart’s journey of hope is startling, beautiful and provocative, revealing this crisis as an opportunity for everyone to become a hero.
Revolution has already won ten awards at top film festivals around the world.

Third Unit: Present civilization and its engine

4. **Consumed (2011):** Directed byPRichard Heap, possibly the most unthinkable story of the last million years is the rise of the modern human culture. The cities we populate and the

lives that we lead. It is the environment that our children will inherit. But after a century of exponential growth in population and consumerism people are questioning the nature of modern life. We're beginning to doubt our motivations and we're predicting environmental destruction. In understanding human nature our current concerns look smaller, more transient, with, potentially, a solution. We've all got this weird mental illness called consumerism. We've all kind of gone collectively psychotic. Chasing status, in public, with people who don't really care and neglecting your own lovers and friends and neighbour's and kids. The consumption of material items as a means to acquire status is as much of a trap as it is a set of freedoms. The pervasive nature of it has perhaps crossed the threshold of us being able to cope with it and process the information. The high street is actually a stressful, anxious place. We're getting very little from it, but working incredibly hard to try and figure it all out. We have the delusion that we really have deep insight into ourselves already. We're very sophisticated now in the early 21st century, but we're going to seem incredibly naïve in another hundred years.

Fourth Unit: Natural Resources

5. ***The Corporation (2004)***: Directed by Mark Achbar and Jennifer Abbott, the history of that legal construct we call a corporation with an emphasis on its (environmental and other) pathologies. This film is a must-see for understanding why our world is in such a bad state and how we might fix it. The film was nominated for over 26 international awards. It won the World Cinema Audience Award: Documentary at the Sundance Film Festival, 2004, along with a Special Jury Award at the International Documentary Film Festival Amsterdam (IDFA) in 2003 and 2004.
6. ***Blind Spot (2008)*** – Directed by Adolfo Doring, the thesis of this powerful documentary is that by humanity's massive reliance on finite fossil fuels, we have painted ourselves into a corner. If we stop using them, our economy will collapse; if we continue, we will destroy our ecology. Hopefully this film is the slap in the face we need to figure a way out of this conundrum.
7. ***Blue Gold: World Water Wars (2009)*** : Directed by Maude Barlow and Tony Clarke, this award winning documentary points that the wars of the future will be fought over water as they are over oil today, as the source of human survival enters the global marketplace and political arena. Corporate giants, private investors, and corrupt governments vie for control of our dwindling supply, prompting protests, lawsuits, and revolutions from citizens fighting for the right to survive. Past civilizations have collapsed from poor water management. Can the human race survive?
The documentary has won awards like Audience award for Best Environmental Film at the Vancouver International Film Festival, Ecology Now! award at the European Independent Film Festival, Jury prize for best documentary feature at the Newport Beach Film Festival.

Fifth Unit: The Story of Commons

8. ***Burning The Future: Coal in America (2008)*** – Directed by David Novack, Appalachian residents battle a coal industry that is poisoning ground water and flattening mountains with the equivalent of a Hiroshima-sized atom bomb every 11-1/2 days—all to extract coal that will contribute 36% of America's global warming emissions.
9. ***Dirt! The Movie (2009)*** - Directed by filmmakers Gene Rosow and Bill Benenson, a truly inspiring look at the importance of the humble ground beneath us in facilitating life on the planet—and the dire consequences of neglecting this essential resource. The Movie was an official selection for the 2009 Sundance Film Festival and won several awards, including the best documentary award at the 2009 Visions/Voices Environmental Film Festival and the "Best film for our future" award at the 2009 Mendocino Film Festival.

10. ***Planet in Peril I and II (2007)*** is a two-part, four-hour documentary on CNN that premiered on October 23, 2007, broadcast in the CNN. CNN's Anderson Cooper, Sanjay Gupta and Animal Planet's Jeff Corwin investigate the current state of our planet, focusing on four major areas: global warming, overpopulation, deforestation and species loss. They report from a wide variety of locations including Alaska, Brazil, Madagascar, Southeast Asia, and Yellowstone National Park, examining the effects of population growth, rising temperatures, poaching and illegal wildlife trade, among others, on the global environment.
11. ***Fuel (2010)*** - Created over the course of 11 years, this documentary showcases America's unhealthy dependence on fossil fuels and explores viable alternatives that are kinder to the ecology.
12. ***Bhopali***(2011) is a feature documentary by Van Maximilian Carlson, about the survivors of the world's worst industrial disaster, the 1984 Union Carbide gas leak in Bhopal, India. Today the suffering continues, prompting victims to fight for justice against Union Carbide, the American corporation responsible for the disaster. It's a winner of many awards involving Grand Jury Best Documentary Award, 2011 Slamdance Film Festival Documentary Audience Award, 2011 Slamdance Film Festival, Best Documentary Award, 2011 New York Indian Film Festival Best Documentary Award, 2011 Los Angeles International Film Festival Best Director, 2011 Los Angeles International Film Festival, Best Documentary Special Jury Award, 2011 Beverly Hills Film Festival, Best Documentary Award, 2011 San Francisco United Film Festival Audience Award Best Documentary, 2012 Global Visions Film Festival

Sixth Unit: Social Issues and the Environment:

13. ***An Inconvenient Truth (2006)***: An Inconvenient Truth is a 2006 documentary film directed by Davis Guggenheim about former United States Vice President Al Gore's campaign to educate citizens about global warming via a comprehensive slide show that, by his own estimate made in the film, he has given more than a thousand times. Premiering at the 2006 Sundance Film Festival and opening in New York City and Los Angeles on May 24, 2006, the documentary was a critical and box-office success, winning two Academy Awards for Best Documentary Feature and Best Original Song The film grossed \$24 million in the U.S. and \$26 million in the foreign box office, becoming the tenth highest grossing documentary film to date in the United States.
The film won the 2007 Academy Awards for Best Documentary Feature and Best Original Song for Melissa Etheridge's "I Need to Wake Up".It is the first documentary to win 2 Oscars and the first to win a best original song Oscar. After winning the 2007 Academy Award for Documentary Feature the Oscar was awarded to director Guggenheim, who asked Gore to join him and other members of the crew on stage.
In addition, the film received numerous other accolades, including a special recognition from the Humanitas Prize, the first time the organization had handed out a Special Award in over 10 years, the 2007 Stanley Kramer Award from The Producers Guild of America, which recognizes "work that dramatically illustrates provocative social issues" and the President's Award 2007 from the Society for Technical Communication "for demonstrating that effective and understandable technical communication, when coupled with passion and vision, has the power to educate—and change—the world. For Gore's wide-reaching efforts to draw the world's attention to the dangers of global warming which is centerpieced in the film, Al Gore, along with the Intergovernmental Panel on Climate Change (IPCC), won the 2007 Nobel Peace Prize The related album, which featured the voices of Beau Bridges, Cynthia Nixon and Blair Underwood, also won Best Spoken Word Album at the 51st Grammy Awards.
14. ***Food, Inc. (2008)*** - Eric Schlosser Michael Pollan and others participate in this engaging documentary about the dangerous state of our food supply thanks to unchecked corporate greed.

15. ***How Many People Can Live on Planet Earth?(2008)*** Naturalist Sir David Attenborough investigates whether the world is heading for a population crisis. In his lengthy career, Sir David has watched the human population more than double from 2.5 billion in 1950 to nearly seven billion. He reflects on the profound effects of this rapid growth, both on humans and the environment. While much of the projected growth in human population is likely to come from the developing world, it is the lifestyle enjoyed by many in the West that has the most impact on the planet. Some experts claim that in the UK consumers use as much as two and a half times their fair share of Earth's resources. Sir David examines whether it is the duty of individuals to commit not only to smaller families, but to change the way they live for the sake of humanity and planet Earth.

Seventh Unit: Sustainable Development (Objective and Application):

16. ***Elemental (2013)*** – Directed by Emmanuel Vaughan-Lee, Gayatri Roshan it portrays three environmental activists and the challenges they face in trying to change people's mindsets and spur them on to help stem the tide of ecological disaster. It's a story of three fascinating environmentalists—one Indian, one Australian, one North American—trying to lead their mostly disinterested, sometimes hostile fellow humans in a last-ditch effort to save our critically ill planet.
17. ***Garbage Warrior (2008)*** – It's a film about architect Mike Reynolds, inventor of the Earthship style of building, directed by Oliver Hodge. It follows Reynolds and how he developed the Earthship style of building and his struggle with the legislature of Taos, New Mexico, the location of his experimental Earthship community, in order to be allowed to build homes that do not match the structures of local building codes. The film concludes with a postscript showing Reynolds and his team of builders travelling to the Andaman Islands in the aftermath of the Boxing Day tsunami to assist the locals with disaster recovery and teaching them how to construct extremely low-cost homes.
18. ***No Impact Man (2008)*** – Directed by Laura Gabbert and Justin Schein, it's a fascinating story of a man, his wife, two-year-old daughter and dog who go off-grid for one year in New York City in order to minimize their environmental impact. Is it possible?
19. ***The Great Squeeze (2009)*** Individual happiness has not increased along with our wealth and waste, with business as usual leading down the road to advanced environmental collapse. The public performance versions offer a bonus short film and extended interviews with additional experts. This film is an articulate reminder of the urgent need to mandate lifestyle changes to try to save ourselves. Selected at 14 film festivals around the world, The Great Squeeze features outstanding experts in many fields, such as economist Lester Brown founder of The Earth Policy Institute, Richard Heinberg world renowned Peak Oil expert, Edward O. Wilson legendary biologist, Alexandra Cousteau leading advocate for marine ecosystems, author Howard Kunstler, paleoclimatologist Jim White and many more. The film is the winner of Best Documentary 2009 Festival de Cine Ecologico y de la Naturaleza de Canarias.
20. ***Carbon for water (2011)*** : Winner of nearly two dozen best in category film festival awards, Carbon for Water has inspired audiences and policymakers across the globe with the story of Vestergaard's innovative solution for improving the health of millions of Kenyans and the environment in which they live. At dawn, nine-year-old Anzelma walks for miles in search of firewood. Many in her village have died from drinking dirty water, and firewood is a valuable commodity, used to boil water to make it safe. Anzelma's small body bends under the heavy loads of wood balanced on her head, but she won't stop. She knows her long journeys into the forest are crucial for her family's survival. Unsafe water claims more lives than war. In Kenya, water insecurity is a life-threatening reality, and the population is expected to leap from 40 million to 60 million in the next twenty years. Most of the country still depends on wood and charcoal for household energy, and forest cover is dwindling. At the same time, the climate is changing: rainfall is decreasing, river levels are low and water

contamination is on the rise. In the fierce competition for shrinking resources, the most vulnerable are women and girls, who are responsible for finding water and fuel for their families.

Carbon for Water premiered at the 2011 Planet in Focus Environmental Film Festival in Toronto, winning Best International Short Film. It has gone on to win over twenty other awards, including Best Environmental Short Film at the 2012 Indie Spirit Film Festival; Best Environmental Sustainability Film at the 2012 Reel Earth Environmental Film Festival; EarthVision Environmental Short Award at the 2012 Santa Cruz Film Festival; Shortlist for The Nature Conservancy Environment and Conservation Award at the 2012 Wildscreen Festival; and Highly Commended at the Development and Climate Days Film Festival at COP17 in Durban.

21. ***My Father's Garden (1995)*** Explores sustainable agriculture and the contrast between chemical and organic farming. An emotionally charged documentary about the use and misuse of technology on the American farm. In less than fifty years the face of agriculture has been utterly transformed by synthetic chemicals which have had a serious impact on the environment and on the health of farm families. This film tells the story of two farmers, different in all details, yet united by their common goal of producing healthy food. One of the farmers is the father of the filmmaker. Herbert Smith was a hero of his age: dedicated, innovative, a champion of the new miracle sprays of the 50s. His fate is the heart of this film. The other, Fred Kirschenmann of North Dakota, is a hero for our age. Faced with a shattered economy and the devastating environmental effects of conventional chemical farming, Fred steered his land through the transition to organic farming. Twenty years later, the Kirschenmann farm is a thriving testament to ingenuity, hard work, and a reverent understanding of nature. Fred proves that sustainable agriculture is a viable alternative on any sized farm and that we can bring health and beauty back to the Garden.
22. ***Nero's Guests (P. Sainath: Inequality and India's Agrarian Crisis, 2009)***: Nearly 2, 00, 000 farmers have committed suicide in India over the last 10 years. But the mainstream media hardly reflects this. Nero's Guests is a story about India's agrarian crisis and the growing inequality seen through the work of the Rural Affairs Editor of Hindu newspaper, P Sainath. Through sustained coverage of the agrarian crisis, Sainath and his colleagues created the national agenda, compelling a government in denial to take notice and act. Through his writings and lectures, Sainath makes us confront the India we don't want to see, and provokes us to think about who 'Nero's Guests' are in today's world.
23. ***The Economics of Happiness (2011)*** : Economic globalization has led to a massive expansion in the scale and power of big business and banking. It has also worsened nearly every problem we face: fundamentalism and ethnic conflict; climate chaos and species extinction; financial instability and unemployment. There are personal costs too. For the majority of people on the planet life is becoming increasingly stressful. We have less time for friends and family and we face mounting pressures at work.
The Economics of Happiness describes a world moving simultaneously in two opposing directions. On the one hand, government and big business continue to promote globalization and the consolidation of corporate power. At the same time, all around the world people are resisting those policies, demanding a re-regulation of trade and finance—and, far from the old institutions of power, they're starting to forge a very different future. Communities are coming together to re-build more human scale, ecological economies based on a new paradigm – an economics of localization. We hear from a chorus of voices from six continents including Samdhong Rinpoche, the Prime Minister of Tibet's government in exile, Vandana Shiva, Bill McKibben, David Korten and Zac Goldsmith. They tell us that climate change and peak oil give us little choice: we need to localize, to bring the economy home. The good news is that as we move in this direction we will begin not only to heal the earth but also to restore our own sense of well-being. The Economics of Happiness restores our faith in humanity and challenges us to believe that it is possible to build a better world.
24. ***I AM (2010)*** is an utterly engaging and entertaining non-fiction film directed by Dagan Handy that poses two practical and provocative questions: what's wrong with our world, and

what can we do to make it better? The filmmaker behind the inquiry is Tom Shadyac, one of Hollywood's leading comedy practitioners and the creative force behind such blockbusters as "Ace Ventura," "Liar Liar," "The Nutty Professor," and "Bruce Almighty." However, in *I AM*, Shadyac steps in front of the camera to recount what happened to him after a cycling accident left him incapacitated, possibly for good. Though he ultimately recovered, he emerged with a new sense of purpose, determined to share his own awakening to his prior life of excess and greed, and to investigate how he as an individual, and we as a race, could improve the way we live and walk in the world.

25. ***Your Environmental Road trip (2011)*** 3 friends. 50 States. One wild year! Called to action by a planet in peril, three friends hit the road - traveling America with hope, humor . . . and all of their garbage for the year - to explore the good, the bad, and the weird across every state in search of the extraordinary innovators and courageous citizens who are tackling humanity's greatest environmental crises. As the YERT team layers outlandish eco-challenges onto their year-long quest, an unexpected turn of events throws the project for a loop in this award-winning docu-comedy. Featuring Bill McKibben, Wes Jackson, Will Allen, Janine Benyus, Joel Salatin, David Orr, and music by Ben Sollee, Mark Geary and more.
26. ***The Fourth Revolution: Energy (2010)***: is a German documentary film about renewable energy by Carl-A. Fechner, released in 2010. It shows the vision of a global society, which lives in a world where the energy is produced 100% with renewable energies, showing a complete reconstruction of the economy, to reach this goal. The production of the film lasted four years and was financed by volunteers. The parts of the film were made in 10 different countries, showing existing pioneer projects in different cultures: from the vision of the Nobel Peace Prize laureate MuhammedYunus and his micro-credits over the visions of the Right Livelihood Award laureate Hermann Scheer from Eurosolar to enterprises that work hard to become all these visions' reality. The film started in the cinemas of Germany March 18, 2010 and had its U.S. premiere at the San Francisco Green Film Festival in March 2011. In the German trailer to the film, the revolution in capitalist ownership of energy resources is stressed; Hermann Scheer says that "instead of a few owners we will have hundreds of thousands..." and "energy supply will receive democratization". The film embodies the thinking of Hermann Scheer before his sudden death in 2010.

MODY UNIVERSITY OF SCIENCE AND TECHNOLOGY

OPEN ELECTIVE CBCS COURSE

Course Code: ET-18.104	Energy Sources & Sustainable development	3-0-0-3 Total Lectures: 39
Objective(s):	<i>The course is designed to give knowledge of various energy sources and basics of power production techniques. It lays emphasis on basic understanding of green energy technology and its importance for environment and sustainable development.</i>	
1.	World Energy Status: Present Situation and future Energy Scenario, Evolution of Energy Security; India's Energy Scenario; Introduction to nexus between Energy, Environment, and Sustainable development and Climate Change and societal issues Conventional Energy Sources: Fossil Fuel, Coal, Oil, Gas, Thermal Power Stations, Hydro power generation, Comparison of various conventional energy systems, their prospects and limitations Scenario of Green Energy Sources: Difference between conventional and renewable energy systems, Needs and advantages of green energy sources, social implications. [14]	
2.	Solar Energy: Principles of photovoltaic generation of electricity; Silicon cell; Photon absorption; Cell efficiency; Solar cell construction; Types and usage of photovoltaic systems. solar cell modules and arrays, solar cell types, material, applications, advantages and disadvantages, solar energy conversion into heat, types of solar collectors, cylindrical parabolic collector, solar energy thermal storage. [14] Nuclear Energy: Present Status of Nuclear Power; Nuclear Fission & Fusion, National Nuclear Power Program,, Natural Radioactivity, Radioactive Decay, Radiation Doses, various types of nuclear power plants, Nuclear Reactor Safety, Fusion reactor	
3.	Wind Energy: Energy available from wind, basics of wind energy conversion system, classification, factors influencing wind, wind shear, turbulence, wind speed monitoring, Betz limit, WECS: classification, characteristics, and applications. [6] Bio Energy: Types of biogas plants, biogas generation, factors affecting biogas generation, advantages and disadvantages, biomass energy, energy plantation, gasification	
4.	Ocean Energy: Ocean energy resources-ocean energy routes - Principles of ocean thermal energy conversion systems- ocean thermal power plants- Principles of ocean wave energy conversion and tidal energy conversion. [5] Geothermal energy: Introduction, vapor and liquid dominated systems, binary cycle, hot dry rock resources, magma resources, advantages and limitations	
Outcome(s):	<i>After learning the subject, student will be able to understand the basic principle of power production from different energy sources. Advantage of renewable and green energy sources for sustainable development and environmental issues related to energy sources and societal implications</i>	
Text Books:	1. S.P. Sukhatme, Solar Energy: principles of Thermal Collection and Storage, Tata McGraw-Hill 2. C. S. Solanki, "Solar Photovoltaics: Fundamental Applications and Technologies, PHI, 2009 3. S. Glasstone & A. Sesonske, Nuclear Reactor Engineering, CBS, 2004 4. D. A. Spera, Wind Turbine Technology: Fundamental concepts of Wind Turbine Engineering, ASME Press.	
Reference Books:	1. Non-conventional energy resources, Shobh Nath Singh, Pearson India 2. Principles of Solar Energy, Frank Kreith & John F Kreider, John Wiley, New York 3. David Bodansky, Nuclear Energy: Principles, Practices and Prospects, Springer 2004.	

Scheme Version – 2018	MODY UNIVERSITY OF SCIENCE AND TECHNOLOGY						
	Environment and Waste Management			L	T	P	C
	Apply to Program: BBA(TTM) – I Semester			2	0	0	2
	Prerequisite: Nil			Total hours =			
Subject Code: UCT-143	Marks : 100						
	Internal: 40			External: 60			
	Objectives						
	To familiarize students with basics of environmental sciences, disaster & waste management.						
Subject Outcome							
1	Understudies will be able to identify different dimensions of environmental studies; problems related to the environmental degradation & will be able to take remedial steps.						
2	Disciples will learn about different type of disaster that occur in nature consequently learning to develop the preparedness and remedial techniques.						
3	Upon learning the problems related to environmental waste students will be able to segregate the waste in different categories and will learn its effective management techniques.						

Unit- 1

General: Definition, Scope & Importance, Need For Public Awareness- Environment definition, Type of Ecosystem, Balanced ecosystem, Human activities – Food, Shelter, Economic and social Security. Effects of human activities on environment, agriculture, Housing, Industry, Mining and Transportation activities, Bio diversity & its conservation

Renewable & Non renewable resources: Natural Resources- Forest resources Water Resources , Mineral resources , Energy resources , Land resources - Availability and Quality aspects. Energy–Hydro Electric, Nuclear, Solar , Hydrogen as an alternative future source of Energy. Biomass and Bio-gas

Environmental Pollution and their effects: Water pollution, Land pollution. Noise pollution, Public Health aspects, Air Pollution. Current Environmental Issues of importance, population Growth, Climate Change and Global warming- Effects, Urbanization, Automobile pollution, acid rain, Ozone Layer depletion, Animal Husbandry, Salient features & amendments of Environmental Protection Act , Water Prevention & Control Act , Air prevention & control of pollution Act , Salient Features of Environmental Summit – Paris 2015

Unit-2

Disaster Management: Introduction on Disaster Different Types of Disaster : A) Natural Disaster: such as Flood, Cyclone, Earthquakes, Landslides etc B) Man-made Disaster: such as Fire, Industrial Pollution, Nuclear Disaster, Biological Disasters, Accidents (Air, Sea, Rail & Road), Structural failures (Building and Bridge), War & Terrorism etc. causes, effects and practical examples for all disasters.

Disaster Preparedness and Response Preparedness: Disaster Preparedness: Concept and Nature, Disaster Preparedness Plan, Prediction, Early Warnings and Safety Measures of

Disaster, Role of Information, Education, Communication, and Training, Role of Government, International and NGO Bodies. Role of IT in Disaster Preparedness, Role of Engineers on Disaster Management.

Unit-3

Waste Management: Municipal Solid Waste Management, Waste Collection, Storage and Transport. Waste Disposal - Key issues and features. Waste Processing Techniques. Source Reduction, Product Recovery and Recycling. Recovery of Biological Conversion Products: Composts and Biogas. Composting and Biogasification Technology. Hazardous Waste: Management and Treatment. Integrated Waste Management (IWM).

Solid Waste Management Act: Municipal Solid waste (Management & Handling) Rules 2000, Waste Management Rules 2016 (Amendments)

Reference books/ materials

1. Management: A Global Perspective, Weihrich, H. and Koontz, H., New York, McGraw Hill 2006
2. Disaster Management: A Disaster Managers Handbook, Carter, W.N., Manila, ADB. 2006
3. Disaster Management Handbook for Bangladesh, Parts I-IV. Dhaka, BDPC and PACT, Rahman, M.S 2005
4. Management, Stoner, J.A.F. and Freeman, R.E., Prentice-Hall, New Delhi 2004
5. Environmental Engineering , Howard S. Peavy , Donald R. Rowe New York , Macgraw Hill
6. Geographic Information: Economic applications, Martin. D., Routledge, London
7. Introduction to Environmental Engineering and Science , 2nd Edition , G.M. Masters , Prentice Hall , New Jersey
8. Ecology & the Environment , Monson, Russell ed., Springer

COURSE DESCRIPTION
B. A. LL.B. (Integrated)
Fourth year
Eighth Semester

MODY UNIVERSITY OF SCIENCE AND TECHNOLOGY

LF 412	Environmental Law	4-1-0-5
	Indian Environmental Ethics, Definitions, Sources of environmental pollution, Constitutional Provisions, Stockholm Declaration and other International Declarations.	[08]
	The Environment Protection Act, 1986, with Rules; The Water (Prevention and Control of Pollution) Act, 1974 – definitions, constitution of the Boards, Powers of the Boards and the Central Government: Prosecution Procedure and punishment	[10]
	The Air (Prevention and Control of Pollution) Act, 1981 Definitions, Constitution, Power & functions of boards, Powers of the Central Government, Prosecution procedure and punishment.	[08]
	The Forest (Conservation) Act, 1980, The Wildlife Act, 1972 – Definition, wildlife sanctuaries, wildlife/ parks, offences under the Act, kinds of forest offences and punishments under the Act.	[08]
	The Cruelty against Animals Act, 1961	[04]
	Coastal Zone Management Regulation, 2010	[04]
	Environment Impact Assessment Rules, 2006	[04]
	Noise Pollution – Definition, Causes, effects, Legal Remedies	[04]
	Greenhouse effect – causes, effects, remedies, International declaration regarding it.	[02]

Text Books:-

1. Shastri Satish, Environmental Law (2012, EBC, Lucknow)
2. Sengal D., Environmental Law (Printwell, Delhi)
3. Leela Krishnan, Environmental Law in India (Butter worth Delhi)

Reference Books:-

1. Environmental Law and Policy in India – Shyam Diwan and Armin Rosencranz, (2002), Oxford University Press.
2. Handbook of Environmental Law, P.B. Sahasranaman, (2009), Oxford University Press.
3. Environmental and Pollution Laws in India, T. S. Doabia, 2 Vols. (2010), Lexis-Nexi, Butterworth Wadhwa

MODY UNIVERSITY OF SCIENCE & TECHNOLOGY
SCHOOL OF DESIGN (SOD)
Bachelor of Design (B. Des) - Fashion Merchandising
Four Year Degree Programme

Third Year
Spring Semester

Title of Course: Global issues and ethical trading _____

Course Code: FM 306

Pre-requisite(s): Basics of Merchandising

Course Objectives:

- To establish a deep understanding of the current global issues in the apparel industry and relevance of ethical trading.
- To appreciate the history and evolution of ethical trading.
- To Analyze and understand the current global scenario with judgmental perspective of ethical trade.
- To understand and develop skills to tackle environmental and social issues present in garment industry at national and international level.

Course Content:

UNIT- I

- Key theories, concepts and problems relating to the international trade of textiles and apparel businesses in the global economy and how to deal with it in ethical manner through CSR and other compliances.

UNIT II

- Global Issues and their historical significance-Familiarize with the past issues in apparel industry and different laws related to it including MFA, Quota Allocation and elimination, GATT, FTA

UNIT III

- The international market with regard to products, services and intellectual property and how those challenges affect economic, and ethical issues around the world relative to international trade, ethical laws for export and import in international trade.

UNIT IV

- Ethical Trading- Describe ways to deal with different types of rising issues ethically and associated compliances- Compliances including environmental and corporate social responsibility and SA 8000, Oekotex certification

Learning Outcomes:

- To Gain an awareness of major international trade agreements, domestic and foreign trade policies and agreements and the impact of those agreements on international trade and India.
- Gain a basic understanding of practices and conduct of import and export trade and become aware of the challenges being faced by apparel companies.
- Acquire knowledge about the impact of research, and changes in technology through sustainability issues and environment hazards being addressed both at national and international level.

Reference Books:

- David J. Tyler ,(2008),*Carr and Latham's Technology of clothing Manufacture*
- Bubonia,(2011),*Apparel Production Terms and Processes*
- Jacob Solinger ,(2005),*Apparel Manufacturing Analysis*
- Harold Kooritz& Heinz Weihrich ,(2012),*Essentials of Management*
- Joseph L Massie ,(2015),*Essentials of Management*
- Elwood S.Buffa, and Rakesh K.Sarin 8th Ed,(2000),
Modern Production / Operations Management,John Wiley and Sons
- Ruth E. Glock and Grace I. Kunz 4th edition,(2005)*Apparel Manufacturing: Sewn Product Analysis book*

Evaluation Process:

- Course Work: 25% weightage. It includes Quiz, Digital Presentation, and Class Assignments.
- Mid Term Examinations: 25% weightage. Examination of 25 marks
- End Term Examination: 50% weightage (Theory Examination and Digital Presentation).

Reference Books:

1. Kunz, G. I., & Garner (2nd Edition, 2011),*Going Global: The textile and apparel industry*,Fair Child: NY
2. Magdalena Płonka (Copyright 2011-2015)*Ethics in fashion, CSR in the garment industry*
3. Nakib Muhammad Nasrullah (Author), Mia Mahmudur Rahim (Author)
4. *CSR in Private Enterprises in Developing Countries: Evidences from the Ready-Made Garments Industry in Bangladesh (CSR, Sustainability, Ethics &Governance)*Springer Science & Business Media,30-Oct-2013
5. Kar, Mausumi, *The Indian Textile and Clothing IndustryAn Economic Analysis*,Springer, 30-Apr-2015
6. Angela Hale (Author), Jane Wills, *Threads of Labour: Garment Industry Supply Chains from the Workers' Perspective* 1st Edition,20-Jul-2011

7. Shae Garwood ,SterlingVA*Advocacy Across Borders: NGOs, Anti-Sweatshop Activism and the Global Garment Industry*,Kumarian Press 2011
8. Lois F. Herzeca,*Fashion Law & Business: Brands &Retailers*,Practising Law Institute, 2013

Other Study Material:

- https://en.wikipedia.org/wiki/Multi_Fibre_Arrangement
- https://www.wto.org/english/tratop_e/texti_e/texti_e.htm
- <http://www.lawteacher.net/free-law-essays/international-law/the-textile-industry-and-exemption-from-gatt-international-law-essay.php> (
- <http://web.ita.doc.gov/tacgi/fta.nsf/fbf49a260d9c19b7852573750065b89a/70cf7aa5ff7bd90585257375006623f0?OpenDocument>

Case studies

- https://libres.uncg.edu/ir/uncg/f/Gupta_uncg_0154D_11000.pdf (NC DOCKS DIGITAL ONLINE COLLECTION OF KNOWLEDGE & SCHOLARSHIP)
- https://openaccess.leidenuniv.nl/bitstream/handle/1887/21921/bachelor%20scriptie_Nena_Bode_s1058959.pdf?sequence=1 (GLOBAL ACTORS, LOCAL GOVERNANCE, CORPORATE SOCIAL RESPONSIBILITY IN THE INDIAN GARMENT INDUSTRY)
- <http://www.fibre2fashion.com/industry-article/2438/corporate-social-responsibility?page=1> (CORPORATE SOCIAL RESPONSIBILITY)
- http://www.sustainability.eu/pdf/csr/impact/IMPACT_Sector_Profile_TEXTILE.pdf (CORPORATE SOCIAL RESPONSIBILITY)
- <http://digital.library.ryerson.ca/islandora/object/RULA%3A1900/datastream/OBJ/view> (RULA DIGITAL REPOSITORY)

Videos

- General Agreement on Tariffs and Trade (GATT) and North American Free Trade Agreement (NAFTA) <https://youtu.be/KMZGbaXYq58>
- The Fiber Side of Textile Recycling<https://youtu.be/CJka9tHkxjs>
<https://www.youtube.com/watch?v=pEbFnAMHHps>
- The Full Story of the Rana Plaza Factory Disaster.<https://youtu.be/pEbFnAMHHps>
- Gap Is Starting To Make Clothes In Myanmar, Where Workers Are Horribly Mistreated
http://www.huffingtonpost.com/entry/gap-myanmar_n_5481484.html?section=india
- They used sticks and scissors!: Garment worker reveals details about the brutal beating she received after asking for better working conditions in Bangladeshi factory
<http://www.dailymail.co.uk/femail/article-3061503/Garment-worker-reveals-details-brutal-beating-received-asking-better-working-conditions-Bangladeshi-factory.html>
- Govt comes out with plan to resolve Tirupur crisis

MODY UNIVERSITY OF SCIENCE AND TECHNOLOGY

MB 681 Environmental and Agricultural Microbiology

3-1-0-4

Aerobiology: Droplet nuclei, aerosols, Assessment of air quality- solid, liquid impingement, Air borne transmission of microbes [3]

Types of Soils- physical and chemical characteristics, microflora, Rhizosphere and Phyllosphere [3]

Water Microbiology: Fresh water and marine habitats- general characteristics, Types of microbes, Microbial activity, Eutrophication and its effects, Assessment of water quality- water purification, Potability standards. [7]

Biogeochemical Cycling: Carbon, Nitrogen and Sulphur cycle- role of microbes, Biodegradation- recalcitrant and xenobiotics, Degradation of pesticide, Wood and Textiles; Role of microbes in biodeterioration- Metal corrosion, Paper; Metal detoxification, Biopesticides. [10]

Microbes in Waste Treatment: Types of wastes- Solid and Liquid waste, Waste treatments- Physical, Chemical and Biological (Primary, Secondary and Tertiary treatment), Trickling filter, Biocontactor, Activated sludge, Oxidation pond, Solid waste treatment- composting, biogas production. [8]

Nitrogen Fixation: Biological nitrogen fixation- Symbiotic (Rhizobium, Frankia), Asymbiotic (Azotobacter, Azospirillum), Nitrogenase and nif genes, Biofertilizers, VAM- brief account and applications. [8]

MODY UNIVERSITY OF SCIENCE AND TECHNOLOGY

Human Values and Professional Ethics Courses

MODY UNIVERSITY OF SCIENCE AND TECHNOLOGY

CPE-RPE 101 Research and Publication Ethics 1-0-2-2 (3 hrs)

OBJECTIVE: This course has total 6 units focusing on basics of philosophy of science and ethics, research integrity, publication ethics. Hands-on-sessions are designed to identify research misconduct and predatory publications. Indexing and citation databases, open access publications, research metrics (citations, h-index, Impact Factor, etc.) and plagiarism tools will be introduced in this course.

Theory

RPE 01: Philosophy and Ethics (4)

1. Introduction to philosophy: definition, nature and scope, concept, branches
2. Ethics: definition, moral philosophy, nature of moral judgements and reactions

RPE 02: Scientific Conduct (4)

1. Ethics with respect to science and research.
2. Intellectual honesty and research integrity.
3. Scientific misconducts: Falsification, Fabrication, and Plagiarism (FET)
4. Redundant publications: duplicate and overlapping publications, salami slicing
5. Selective reporting and misrepresentation of data

RPE 03: Publication Ethics (7)

1. Publication ethics: definition, introduction and importance
2. Best practices/ standards setting initiatives and guidelines: COPE, WAME, etc.
3. Conflicts of interest
4. Publication misconduct: definition, concept, problem that lead to unethical behavior and vice versa, types
5. Violation of publication ethics, authorship and contributorship
6. Identification of publication misconduct, complaints and appeals
7. Predatory publishers and journals

PRACTICE

RPE 04: Open Access Publishing (4)

1. Open access publications and initiatives
2. SHERPA/RoMEO online resource to check publisher copyright & self-archiving policies
3. Software tool to identify predatory publications developed by SPPU
4. Journal finder / journal suggestion tools viz. JANE, Elsevier Journal Finder, Springer Journals Suggester, etc.

RPE 05: PUBLICATION MISCONDUCT

A. Group Discussions (2)

1. Subject specific ethical issues, FFP, authorship
2. Conflicts of interest
3. Complaints and appeals: examples and fraud from India and abroad.

B. Software tools (2)

- ☐ Use of plagiarism software like Turnitin, Urkund and other open source software tools

RPE 06: Databases and Research Metrics

A. Databases (4)

1. Indexing databases
2. Citation databases: Web of Science, Scopus, etc.

B. Research Metrics (3)

1. Impact Factor of Journal as per Journal Citation Report, SNIP, SJR, IPP, Cite Score
2. Metrics: h-index, g index, i10 index, altmetrics

MODY UNIVERSITY OF SCIENCE AND TECHNOLOGY

UC 19.101

Social and Professional Ethics

Total Lectures: 26

2-0-0-2

Objective: To create an awareness on professional ethics and human values, To instill moral and social values and loyalty and to appreciate the rights of others.

Pre-requisite:

1. **Basic Human Values:** Morals, Values and Ethics – Truth, Rights Conduct [5]
(Righteousness), Love, non-violence and peace, Humility and character. Core areas of ethics: Social ethics, Personal ethics Integrity and Trustworthiness, Honesty, Loyalty, Courage, Prudence, Confidence, Confidentiality.
2. **Theories of Ethics:** Kohlberg and Gilligan's analysis of moral development, - [4]
Deontology, Utilitarianism, Virtue Theory Rights Theory, Casuist Theory of Consequentialism – Robert Nozick's Theory of Entitlement and Property Rights.
3. **Professional Ethics:** Introduction, meaning of work ethics, professional ethics for [7]
Journalists, Physicians, Lawyers, Engineers and Accountants. Intellectual property Rights, scope of ethics, code of conduct, business values and inner consciousness, Ethics at the workplace cybercrime, plagiarism, misconduct, fraudulent use of institutional resources, etc.
4. **Corporate Social Responsibility:** Evolution of Corporate Social Responsibility (CSR) [6]
in India, CSR models, CSR to different stakeholders, Corporate Social Responsibility Initiatives of Major Companies of India, Promoting value based governance in organization. Whistle blower policy.
5. **Ethics and Environment:** Introduction to environmental Issues- Industry and [4]
Environmental Pollution, Ethics of Controlling environmental pollution – Impact of environmental pollution on human health – Rights, Duties and care in environmental protection - Sustainable development.

Outcome: The students will understand the basic perception of profession, professional ethics, various moral issues and uses of ethical theories.

Text Books: 1. B.N Ghosh "Business Ethics and Corporate Governance", McGraw Hill Education, Chennai, 2016
2. John R Boatright, "Ethics And The Conduct Of Business", Pearson Education, New Delhi, 2013.

Reference Books: 1. Raju Ramachandran, "Professional Ethics: Changing Profession and Changing Ethics", LexisNexis, Butterworths, 2nd Edition 2014.
2. Andrew Crane and Dirk Matten, "Business Ethics", Oxford University Press, 2nd Edition, 2015.
3. S.K Mandal "Ethics in Business and Corporate Governance" McGraw Hill Education, New Delhi, 2013.
4. R. Subramanian "Professional Ethics", Oxford University Press, 2015.

MODY UNIVERSITY OF SCIENCE AND TECHNOLOGY

Open Elective CBCS course

Course Title: Vedic Knowledge

3-0-0-3

Course Code: VK 111

Course Description:

Unit-1 History of Vedic Literature

(13)

1. Importance of Vedas in Indian Tradition (भारतीय परम्परा में वेदों का महत्त्व)
2. The emergence of the Vedas (वेदों का आविर्भाव)
3. Introduction of Vedic Svara (वैदिक स्वर परिचय)
4. Definition of Sukta (सूक्त की परिभाषा)
5. Introduction of Rig-veda: Samhita, Brahmana, Aranyaka and Upanishad.
(ऋग्वेद का परिचय -संहिता,ब्राह्मण,आरण्यक एवं उपनिषद -)
6. Introduction of Yajur-veda: Samhita, Brahmana, Aranyaka and Upanishad.
(यजुर्वेद का परिचय - संहिता,ब्राह्मण,आरण्यक एवं उपनिषद)

Unit -2 Suktas related to Rigveda Samhita (Shakalashakha)

(11)

- | | | |
|---------------------------|---------------------|--|
| 1. Lord of fire : | Agnisuktam | (अग्निसूक्तम्-ऋग्वेद 1/1/1-4) |
| 2. Lord of creation : | Vishnusuktam | (विष्णुसूक्तम्-ऋग्वेद 7/100/1-3) |
| 3. Lord of omniscient : | Brahmanaspatisuktam | (ब्रह्मणस्पतिसूक्तम्-ऋग्वेद 1/40/1-4) |
| 4. Lord of pre-creation : | Hiranyasuktam | (हिरण्यगर्भसूक्तम्- ऋग्वेद 10/121/1-3) |
| 5. Goddess of Glory : | Shreesuktam | (श्रीसूक्तम्-ऋग्वेद-परिशिष्ट 1-4) |

Unit-3 Suktas related to ShuklaYajurved Samhita(Madhyandinashakha)

(15)

- | | | |
|-------------------------------|--------------------|---------------------------------------|
| 1. God of wisdom : | Ganapatistavanam | (गणपति-स्तवनम् -यजुर्वेद – 23/19) |
| 2. Identification of nation : | Rashtrageetam | (राष्ट्रगीतम् -यजुर्वेद - 22/22) |
| 3. Good faith : | Svastivachanam | (स्वस्तिवाचनम् -यजुर्वेद-14/19,21-22) |
| 4. Perception power : | Medhasuktam | (मेधासूक्तम् -यजुर्वेद -32/13 -16) |
| 5. Concept of mind : | Shivasuktam | (शिवसंकल्पसूक्तम् -यजुर्वेद -34/1-6) |
| 6. Origin of creation : | Purushasuktam | (पुरुषसूक्तम् (यजुर्वेद-31/1-4,7,16) |
| 7. Goddess of learning : | Sarasvati-stavanam | (सरस्वती-स्तवनम् (यजुर्वेद -20/84-86) |

Text books :-

1.Vedic Sukta Sangrha: (Code No.1885) 7th Edn. Pub. Gita Press Gorakhpur

(वैदिकसूक्त-संग्रह – प्रकाशक - गीताप्रेस, गोरखपुर)

2. Vedic Sukta Sangrha: Acharya Bheshraja Sharma First Edn. Pub. Hansa prakashan Jaipura (वैदिकसूक्तसंग्रह - आचार्य भेषराज शर्मा, हंसा प्रकाशन, जयपुर)

3. Vedic Sangraha: Dr. Krishna Lal First Edn. Pub.Istarna book Linkarsa Delhi. (वैदिक संग्रह डा कृष्ण लाल ,ईस्टर्न बुक लिंकर्स , दिल्ली)

Reference books:-

1. RigvedaSamhita: Acharya Shri Ram Sharma Publishers-Yuganirmana Yojana, Mathura U.P. (ऋग्वेदसंहिता - आचार्य श्रीराम शर्मा प्रकाशक युग निर्माण योजना मथुरा उ.प्र)

2. Yjurveda: Acharya ShriRam Sharma Publishers Yuganirmana Yojana,Mathura U.P. (यजुर्वेदसंहिता- आचार्य श्रीराम शर्मा प्रकाशक युग निर्माण योजना मथुरा उ.प्र)

3. Vedas: The source of Ultimate science: Dr. Shri Ram Varma, Nag Publishers Delhi.

4. Vedic Sahitya ka Itihasa aur sanskriti: Shri Baldeva upadhyay Publishers Sharadasansthan Varanasi .U.P.

5. Vedic dicsnory: Bhagavad Datta and Hansaraja Publishers- VishvBharti Anusandhan prishada Gyanpura U.P. (वैदिककोश - भगवद दत्त एवं हंसराज प्रकाशक –विश्वभारती अनुसंधान परिषद् ज्ञानपुर उ.प्र.)

MODY UNIVERSITY OF SCIENCE AND TECHNOLOGY

The Bhagavad-Gita: Open Elective for all Undergraduate/Postgraduate/Ph.D. Students

Pre-requisite(s): Basic interest in Indian culture. Sanskrit verses in *Devanagari* script as well as in transliteration forms are provided for further references only; knowledge of Sanskrit is not required as the medium of instruction is English, however it may be an added advantage. Familiarity with the *Devanagari* script may be useful at times.

Course Objectives: The primary aim of the Bhagavad-Gita Course is to make the glorious 'Gita way of life' accessible to anyone who yearns for it, or is just curious to know more in a convenient yet effective manner. It provides a holistic, insightful coverage of the entire text in a lucid and simple style without compromising on the salient features of this priceless knowledge. Providing inputs in the modern context for continuous improvement it becomes a practical manual to live a transformed life of goodness and greatness. The course seeks to help students negotiate the text independently without referring to the traditional commentaries so as to enable them to experience the richness of the text and its philosophy.

Evaluation Process: The evaluation pattern would have following two components:

1. Internal component of 20 marks, which can be assessed in one of the following ways at the discretion of course coordinator
 - a. Assignment
 - b. Written test
 - c. Presentation
 - d. Viva
 - e. Model preparation
 - f. Practical assignment
2. An end term examination of 80 marks.

Course Description:

BG 111 The Bhagavad-Gita

3-0-0-3

Introduction:

Background of the Mahabharata War, Author (Vedavyasa), Background of the Bhagavad-Gita: knowledge given in the battlefield of life, The role of Gita in our life, [03]
Overview of the chapters, The Distress of Arjuna

Cognitive and Emotive Apparatus:

Hierarchy of senses, *manas*, *buddhi* and *ātman*-III.42, XV.7 [08]

Role of the *ātman*-XV.7, XV.9

Mind as a product of *prakṛti* VII.4

Properties of three modes and their impact on the mind-XIII. 5-6; XIV.5-8, 11-13; XIV.17

Controlling the Mind:

[09]

Confusion and conflict: Nature of conflict I.1; IV.16; I.45; II.6

Causal factors-Ignorance-II.41; *Indriya*-II.60, *Mind*-II.67; *Rajoguṇa*-III.36-39; XVI.21;

Weakness of mind- II.3; IV.5

Means of controlling the mind: Meditation-difficulties -VI.34-35; procedure VI.11-14

Balanced life- III.8; VI.16-17

Diet control- XVII. 8-10

Physical and mental discipline – XVII. 14-19, VI. 36.

Means of Conflict Resolution:

[10]

Importance of knowledge – II. 52 ; IV.38-39; IV.42

Clarity of *buddhi*– XVIII.30-32

Process of decision making – XVIII.63

Control over senses – II.59, 64

Surrender of doer-ship–XVIII .13-16; V.8-9

Desirelessness- II.48; II.55

Putting others before self – III.25

Self Management through Devotion:

[09]

Surrender of ego – II.7 ; IX.27; VIII.7; XI.55 ; II.47

Abandoning frivolous debates – VII.21, IV.11; IX.26

Acquisition of moral qualities - XII.11; XII.13-19

Conclusion:Arjuna's realization, Lasting property, Total victory- XVIII.73,78

Text Book:

SrimadBhagavadgita(with English Translation and Transliteration, Code 1411), Gita Press, Gorakhpur

Reference Books:

1. Shrimadbhagavadgitarahasya or Karmayogashastra: The Hindu Philosophy of Life, Ethics, and Religion (Original Sanskrit Stanzas with English Translation), BalgangadharTilak&BalchandraSitaramSukthankar, J.S. Tilak& S.S. Tilak
2. Shrimadbhagavadgita-Tattvavivechani (English Commentary by JayadayalGoyandaka), Gita Press, Gorakhpur
3. Shrimadbhagavadgita:A Guide to Daily Living (English Translation and notes by PushpaAnand), Arpana Publications
4. Shrimadbhagavadgita:The Blessed Lord's Song Paramananda, The Vedanta Centre
5. The Art of Man Making (114 short talks on the Bhagavadgita),Chinmayananda, Central Chinmay Mission Trust, Mumbai
6. Essays on the Gita,ShriAurobindo, ShriAurobindo Ashram, Pondicherry
7. Managing One-Self (Shrimadbhagavadgita: Theory & Practice), Panchamukhi V.R., PanchamukhiIndological Research Centre, New Delhi & Amar Granth Publications, Delhi
8. Science of Bhagavadgita (A Study of Ancient Wisdom through Modern Science),Virajeshwar, Himalayan Books, Connaught Place, New Delhi
9. Shrimadbhagavadgita through the Eyes of a Scientist,Manhas M.S., B.R. Publishing

MODY UNIVERSITY OF SCIENCE AND TECHNOLOGY

BM 324 Business Ethics and Values

3-0-0-3

Introduction: Business Ethics, Business Values, Inner Consciousness, Ethical Theories

[04]

Indian Management Ethos : Basic Principles of Indian Ethos for Management, Ethics in work life according to Bhagvad-Gita, Detached Involvement (Nishkam-Karma) and Attached Involvement (Sakam-Karma), Kautilya and Management. Relevance of Gandhian thought for the contemporary managers, Ethics and Corporate Excellence.

[8]

Corporate Social Responsibility: CSR in India, Social Responsibility of Business, Social Responsibility of Business towards different groups, Promoting Value-based Governance in organizations.

[10]

Corporate Governance: Introduction, Evolution of Corporate Governance and development in India, Shareholder Rights, Overview of Corporate Governance Forums, Corporate Governance and other stakeholders. Whistle- Blower Policies. Ombudsman

[8]

Sustainability: Meaning, Scope, Sustainability Terminologies and Meanings, Corporate Sustainability Reporting Frameworks- Global Reporting Initiative Guidelines, National Voluntary Guidelines on Social, Environmental and Economic Responsibilities of Business.

[09]

MODY UNIVERSITY OF SCIENCE AND TECHNOLOGY

Business Ethics and Corporate Social Responsibility

CP204

3-1-0-4

- Introduction to Ethics and its Applications in Business:** Concepts, Role and scope of ethics in business, Morality and moral standards, Moral reasoning for ethics. [4]
- Ethics in Functional Areas of Business Management:** Marketing and Advertisement, Finance and accounting, Human Resource Management, Production and Operations Management, Computer and information ethics. [5]
- Corporate Governance:** Principles, Issues and trend; Principles of Corporate Governance, Structure and process, Emerging trend. [5]
- Corporate Governance in India:** Regulatory framework, Role of board, Financial institutions in effective corporate governance, Values and ethics in relation to corporate governance, Effective measures to improve corporate governance. [5]
- Corporate Social Responsibility (CSR):** Definitions, principles and strategies; Models of CSR, Corporate stakeholders and responsibilities to them. [7]
- Creating CSR Framework:** Creation of strategy, Risk analysis, Building trust, Creation of a corporate culture; Framework for rating CSR. [4]
- Sustainability:** Meaning, scope and terminologies, Triple bottom line, Corporate sustainability reporting frameworks – National voluntary guidelines, Carbon trading and Kyoto Protocol to reduce collective emissions of greenhouse gases. [5]
- Future Trends in CSR:** Global CSR, Dynamics of modern business, Public-private partnership, Business and special cause sponsorship, CSR practices of Indian companies [4]