



M.G.R. COLLEGE

Approved by Government of Tamilnadu, Affiliated to Periyar University, Salem

Re-Accredited by NAAC

Recognized by UGC under section 2(f) and 12(B), New Delhi

Dr. M.G.R Nagar, HOSUR – 635 130 Krishnagiri Dist., Tamil Nadu

SUPPORTING DOCUMENTS

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



PERIYAR UNIVERSITY

PERIYAR PALKALAI NAGAR
SALEM - 636011

DEGREE OF BACHELOR OF ARTS
CHOICE BASED CREDIT SYSTEM

OBE Regulations and Syllabus for

B.A. ENGLISH

(SEMESTER PATTERN)

(For Candidates admitted in the Colleges affiliated to
Periyar University from 2021 - 2022)

SEMESTER - V

CORE - IX-FEMINIST WRITING

OBJECTIVES:

- To introduce feminist writers and their works towards equality
- To examine, question, and change against gender roles
- To alter inequalities between genders across societal and political arenas

OUTCOME:

- Study supports the feminist goals of defining, establishing and defending equal civil, economic and social rights for women
- It teaches how the concepts of gender, influence social and interpersonal behaviour
- Learners acquire the impact of gender identity on human relations historically and cross-culturally

UNIT - I POETRY

1. Judith Wright- Woman to Man
2. Maya Angelou – Phenomenal Woman
3. Kishwar Naheed – I am not that Woman
4. Carol Ann Duffy- Originally
5. Prathiba Nandakumar - Poem

UNIT - II PROSE

1. Jean Rhys – The Day they Burned the Books
2. Mahadevi Varma – The Art of living

UNIT - III DRAMA

Susan Glaspell-Trifles

UNIT - IV FICTION

Anita Nair – Ladies Coupe

UNIT - V SHORT STORY

1. Katherine Mansfield – An Ideal Family
2. Alice Munro – The Photographer

Recommended Book:

Women's Writing: An Anthology, edited by S. Annapoorani, mainspring publishers

M.A. ENGLISH SYLLABUS 21-22 PERIYAR UNIVERSITY



PERIYAR UNIVERSITY
PERIYAR PALKALI NAGAR
SALEM-636 011

DEGREE OF MASTER OF ARTS
CHOICE BASED CREDIT SYSTEM

SYLLABUS FOR

M.A. ENGLISH

(SEMESTER PATTERN)

**(For Candidates admitted in the Colleges affiliated to
Periyar University from 2021-2022 onwards)**

M.A. ENGLISH = SEMESTER - II

ELECTIVE – II

WOMEN'S WRITING

UNIT –I

POETRY – Detailed

1. *The Cry of the Children* - Elizabeth Browning
2. *Goblin Market* – Christina Rossetti
3. *Still I Rise* – Maya Angelou

POETRY – Non-detailed

1. *Mirror* – Sylvia Plath
2. *The Indian Gipsy* – Sarojini Naidu
3. 'I am in another country' – from *Grandmother;s Garden* – Meena Alexander

UNIT – II

PROSE- Detailed

A Vindication Of The Rights Of Women – Mary Woolstonecraft

PROSE – Non-detailed

What White Publishers Won't Print – Zora Neale Hurston

UNIT – III

DRAMA – Detailed

Spreading the News – Lady Gregory

DRAMA – Non-detailed

A Number – Caryl Churchill

UNIT IV

NOVEL

Middlemarch - George Eliot

UNIT V

SHORT FICTION

The Queen of Jhansi – Mahashweta Devi

PERIYAR UNIVERSITY

PALKALAI NAGAR

SALEM-636011

DEGREE OF BACHELOR OF MANAGEMENT
CHOICE BASED CREDIT SYSTEM

Syllabus for

B.B.A

SEMESTER - IV
CORE: X BUSINESS LAW

COURSE OBJECTIVES:

To create the knowledge of legal perspective and its practices to improve the business.

COURSE OUTCOME:

Legal insight will be established in the business practices according to the situation of changing environment.

UNIT-I

Business law-meaning, objectives-source-law of contract-types-essentials of a valid contract.

UNIT-II

Discharge of contract-remedies for breach of contract-void agreements-wagering agreements and contingent contracts-quasi contracts.

UNIT-III

Bailment-rights and duties of Bailor and Bailee-pledge-Mortgage-Indemnity-Guarantee.

UNIT-IV

Law of sale of goods-sale and agreement to sell-their distinctions-types of goods - conditions and warranties Caveat emptor-transfer of property-sale by non-owners-Rights of an unpaid seller-auction sale.

UNIT-V

Law of agency-creation of agency-classification of agents-duties and rights of agent and principal-termination of agency.

TEXTBOOK:

1. Kapoor N.D, Business Law, Sultan Chand and sons.

REFERENCE BOOKS

1. RSN Pillai, Bagavathi, Business Law, S. Chand.
2. Shukla M.C., Mercantile Law, S. Chand.
3. P.C. Tulsian, Business Law, TMH

PERIYAR UNIVERSITY

PERIYAR PALKALAI NAGAR

SALEM – 636011

DEGREE OF BACHELOR OF COMMERCE

CHOICE BASED CREDIT SYSTEM

Syllabus for

B. COM.

(SEMESTER PATTERN)

**(For Candidates admitted in the College affiliated to Periyar
University from 2021 - 2022 onwards)**

B.COM

SEMESTER – III

COREV – BUSINESS LAW

Objectives:

- To cultivate understanding of the various Trade Laws of Land - with an expert knowledge of Indian Contract Act, Sale of Goods Act.
- To provide comprehensive understanding of rights, duties and responsibilities of the parties entering into business dealings.

UNIT – I

Commercial Law – Introduction – Meaning – Objectives – Sources – origin - (custom-law of England –Equity precedents nature of law.) Indian Contract Act, 1872 – Contract- Definition – Obligation – Nature and Kinds of Contract – Elements of a Valid Contract – Formation of Contract.

UNIT – II

Agreement – Contingent Contract, Quasi Contract – Types of contingent contract – Performance of a Contract – Discharge of a Contract – by performance mutual consent, by impossibility, by contract, by breach-Remedies for breach of Contract.

UNIT – III

Contract of Indemnity – Introduction – Rights of indemnity holder and indemnifier – Guarantee – Definition, features, types, Revocation – Bailment – pledge. Hypothecation – charge mortgage – Meaning and definitions.

UNIT – IV

Agency – creation of Agency – Kinds of Agent – Rights and Duties of Principal and Agent – Relation of Principal and third parties – Termination of Agency.

UNIT – V

Sale of goods Act 1930 – Definition of Sale and Agreement to sell – Condition and Warranties – Transferor property – Transfer of title – performance – Remedies for breach – Unpaid Seller – Rights of unpaid seller – Auction sale – Rules relating delivery of goods.

TEXT BOOKS:

1. Business Law - K.R.Buichandani-Himalaya Publishing House, Mumbai.
2. Business Law- Tulsian JP.C, Pearson Publications. New Delhi.
3. Business Law- Kapoor, N.D., Sultan Chand & Sons. New Delhi.

REFERENCE BOOKS:

1. Commercial Law – M.C.Shukla, - S.Chand & Sons.,New Delhi.
 2. Business Laws- R.S.N. Pillai and Bagavathy- S.Chand&Co.,New Delhi.
 3. Mercantile Law - M.C.Kuchhal-Vikas Publications, New Delhi.
 4. Business Law – J.Jayasankar, Margham Publications, Chennai.
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B.Sc-Computer Science Syllabus under CBCS Pattern with effect from 2021-2022 Onwards



PERIYAR UNIVERSITY

PERIYAR PALKALAI NAGAR

SALEM – 636011

B.Sc. COMPUTER SCIENCE
CHOICE BASED CREDIT SYSTEM

OBE REGULATIONS AND SYLLABUS

(SEMESTER PATTERN)

**(For Candidates admitted in the Colleges affiliated to Periyar
University from 2021 - 2022 onwards)**

B.Sc-Computer Science Syllabus under CBCS Pattern with effect from 2021-2022 Onwards

Subject Title	SEMESTER – VI PAPER – II NETWORK SECURITY	Semester	VI
Subject Code	21UCSE08	Specialization	NA
Type	Elective : Theory	L:T:P:C	86:6:0:4
Unit	Contents	Levels	Sessions
I	OSI Security Architecture – Security attacks, services and mechanisms – Network security Model – Classical encryption techniques: Symmetric cipher model, Substitution techniques – Transposition techniques – Rotor machines – Steganography	K1	14
II	Number theory and finite fields: The Euclidean algorithm – Modular arithmetic - Groups, Rings and Fields – Finite fields of the Form GF (p) – Polynomial arithmetic – prime numbers – Fermat's and eulers theorems	K2	18
III	Block Ciphers and Data Encryption Standard: Traditional block cipher structure – Data Encryption – Strengths of DES – Block Cipher Design Principles – Advanced Encryption Standard – AES structure = AES transformation functions – AES Key expansion – implementation	K3	18
IV	Public Key Cryptography and RSA – Principles of Public-key Crypto systems – RSA algorithm - Diffie – Hellman Key exchange - Elgamal Cryptographic System	K4	18
V	Hash functions – Applications – two simple hash functions – Hash functions based on Cipher block chaining - Secure Hash Algorithm (SHA)	K5	18
Learning Resources			
Text Books	William Stallings, “ <i>Cryptography and Network Security: Principles and Practice</i> ”, Pearson Education 2013, 6 th Edition.		
Reference Books	<ol style="list-style-type: none"> Behrouz A. F-erouzan, “<i>Cryptography & Network Security</i>”, Tata McGraw Hill 2007. Man Young Rhee, “<i>Internet Security: Cryptographic Principles, Algorithms and Protocols</i>”, Wiley Publications 2003. Charles Pfleeger, “<i>Security in Computing</i>”, Prentice Hall of India 2006, 4th Edition. Ulysess Black, “<i>Internet Security Protocols</i>”, Pearson Education Asia 2000. Charlie Kaufman and Radia Perlman, Mike Speciner, “<i>Network Security, Private Communication in Public World</i>”, PHI 2002, 2nd Edition. 		
Website /Link	<ol style="list-style-type: none"> NPTEL & MOOC courses titled Network Security https://nptel.ac.in/courses/106/105/106105031/ 		

BCA Syllabus under CBCS Pattern with effect from 2022-2023 Onwards



PERIYAR UNIVERSITY

PERIYAR PALKALAI NAGAR

SALEM – 636011

BACHELOR OF COMPUTER APPLICATIONS (BCA)

CHOICE BASED CREDIT SYSTEM

OBE REGULATIONS AND SYLLABUS

(SEMESTER PATTERN)

**(For Candidates admitted in the Colleges affiliated to Periyar
University from 2022-2023 onwards)**

BCA Syllabus under CBCS Pattern with effect from 2022-2023 Onwards

Subject Title	COMPUTER NETWORKS	Semester	IV	
Subject Code	22UCA06	Specialization	NA	
Type	Core: Theory	L:T:P:C	71:5:0:4	
Unit	Contents	Levels	Sessions	
I	Introduction – Network Hardware - Software - Reference Models - OSI and TCP/IP Models - Example Networks: Internet, ATM, Ethernet and Wireless LANs - Physical Layer - Theoretical Basis for Data Communication - Guided Transmission Media.	K1	10	
II	Wireless Transmission - Communication Satellites - Telephone System: Structure, Local Loop, Trunks and Multiplexing and Switching. Data Link Layer: Design Issues - Error Detection and Correction.	K2	15	
III	Elementary Data Link Protocols - Sliding Window Protocols - Data Link Layer in the Internet - Medium Access Layer - Channel Allocation Problem - Multiple Access Protocols - Bluetooth.	K3	15	
IV	Network Layer - Design Issues - Routing Algorithms - Congestion Control Algorithms - IP Protocol - IP Addresses - Internet Control Protocols.	K3,K4	15	
V	Transport Layer - Services - Connection Management - Addressing, Establishing and Releasing a Connection - Simple Transport Protocol - Internet Transport Protocols (ITP) - Network Security : Cryptography.	K5	16	
Learning Resources				
Text Books	A. S. Tanenbaum, —Computer Networks, Prentice-Hall of India 2008, 4th Edition.			
Reference Books	<ol style="list-style-type: none"> 1. Stallings, —Data and Computer Communications, Pearson Education 2012, 7th Edition. 2. B. A. Forouzan, —Data Communications and Networking, Tata McGraw Hill 2007, 4th Edition. 3. F. Halsall, —Data Communications, Computer Networks and Open Systems, Pearson Education 2008. 			
Website/ Link	NPTEL & MOOC courses titled Computer Networks https://nptel.ac.in/courses/106106091/			

**PERIYAR
UNIVERSITY
PERIYAR PALKALAI NAGAR
SALEM – 636 011**



**CHOICE BASED CREDIT SYSTEM
SEMESTER PATTERN**

SYLLABUS

**Bachelor of Science in Hotel Management and
Catering Science**

[Candidates admitted from 2022-2023 onwards]

DEGREE OF BACHELOR OF SCIENCE IN
HOTEL MANAGEMENT AND CATERING SCIENCE
CBCS –CHOICE BASED CREDIT SYSTEM (B.Sc., HM & CS)

SEMESTER -VI
SBEC- IV
PRINCIPLES OF MANAGEMENT

UNIT -I
INTRODUCTION

Evolution-Development-School of Management, Management defined
Role of manager- Managerial skill- Roles-Levels Management process.

UNIT -II

PLANNING

Planning and management process Mission-Objectives-goals

Plans Fail

Problem solving and decision making

UNIT -III

ORGANIZING

Organizing and organization structure Organization chart

Principles of Organization

Scalar Principles

Departmentation

Unity and Command

Span of control

Centralization and Decentralization

Authority and Responsibility Delegation

UNIT -IV

LEADING AND MOTIVATION

Creating a committed Work force Basic Concept and definition Theories of motivation Hierarchy of needs

Theory I and Y -Mc Greg or Hygiene theory Leadership-Meaning and type of leadership styles.



प्रो. (डॉ.) जसपाल एस. सन्धू
सचिव

Prof. Dr. Jaspal S. Sandhu

MBBS, MS (Ortho), DSM, FAIS, FASM, FAFSM, FFIMS, FAMS

Secretary



विश्वविद्यालय अनुदान आयोग
University Grants Commission

(मानव संसाधन विकास मंत्रालय, भारत सरकार)
(Ministry of Human Resource Development, Govt. of India)

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D.O.No.F.1-2/2017(CPP-II)

19th June, 2017

Dear Sir/Madam,

In continuation to this office letter of even number dated 20th July, 2014 and letter No. 13-1/2000(EA/ENV/COS-I) dated 07.08.2014, 20.11.2014 and 30.03.2015 regarding compulsory implementation of module syllabus on Environmental Studies for undergraduate course of all branches of higher education in universities and colleges as per directives of the Hon'ble Supreme Court of India, University Grants Commission with the help of an Expert Committee has framed 8 units module syllabus for Ability Enhancement Compulsory Courses (AECC-Environmental Studies) under CBCS. The module is available on University Grants Commission website www.ugc.ac.in. I request you to take necessary steps for implementation of the directions of the Hon'ble Supreme Court.

It is brought to your notice that non-implementation of the order of Hon'ble Supreme Court, in its letter and spirit, amounts to contempt of court. This may also be informed to all the Colleges affiliated to your esteemed University.

With kind regards,

Yours sincerely,


(Jaspal S. Sandhu)

The Vice-Chancellor of all Universities.

Copy to :

The Publication Officer, University Grants Commission for uploading on UGC website.


(Jaspal S. Sandhu)

Ability Enhancement Compulsory Courses (AECC – Environmental Studies)

Unit 1: Introduction to environmental studies

- Multidisciplinary nature of environmental studies; components of environment – atmosphere, hydrosphere, lithosphere and biosphere.
 - Scope and importance; Concept of sustainability and sustainable development.
- (2 Lectures)

Unit 2: 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)
- (6 Lectures)

Unit 3: 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.
- (8 Lectures)

Unit 4: 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.

(8 Lectures)

Unit 5: 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 Lectures)

Unit 6: 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 Lectures)

Unit 7: 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 Lectures)

Unit 8: Field work

- Visit to an area to document environmental assets; 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, Delhi Ridge, etc.

(Equal to 5 Lectures)

Suggested Readings:

1. Carson, R. 2002. *Silent Spring*. Houghton Mifflin Harcourt.
2. Gadgil, M., & Guha, R.1993. *This Fissured Land: An Ecological History of India*. Univ. of California Press.
3. Gleeson,B. and Low, N. (eds.) 1999. *Global Ethics and Environment*, London, Routledge.
4. Gleick, P.H. 1993. *Water in Crisis*. Pacific Institute for Studies in Dev., Environment & Security. Stockholm Env. Institute, Oxford Univ. Press.
5. Groom, Martha J. Gary K. Meffe, and Carl Ronald carroll. *Principles of Conservation Biology*. Sunderland: Sinauer Associates, 2006.
6. Grumbine, R. Edward, and Pandit, M.K. 2013. Threats from India's Himalaya dams. *Science*, 339: 36-37.
7. McCully, P.1996. *Rivers no more: the environmental effects of dams*(pp. 29-64). Zed Books.
8. McNeil, John R. 2000. *Something New Under the Sun: An Environmental History of the Twentieth Century*.

9. Odum, E.P., Odum, h.T. & Andrews, J.1971. *Fundamentals of Ecology*. Philadelphia: Saunders.
10. Pepper, I.L., Gerba, C.P. & Brusseau, M.L. 2011. *Environmental and Pollution Science*. Academic Press.
11. Rao, M.N. & Datta, A.K. 1987. *Waste Water Treatment*. Oxford and IBH Publishing Co. Pvt. Ltd.
12. Raven, P.H., Hassenzahl, D.M. & Berg, L.R. 2012. *Environment*. 8th edition. John Wiley & Sons.
13. Rosencranz, A., Divan, S., & Noble, M.L. 2001. *Environmental law and policy in India*. Tripathi 1992.
14. Sengupta, R. 2003.*Ecology and economics: An approach to sustainable development*. OUP.
15. Singh, J.S., Singh, S.P. and Gupta, S.R. 2014. *Ecology, Environmental Science and Conservation*. S. Chand Publishing, New Delhi.
16. Sodhi, N.S., Gibson, L. & Raven, P.H. (eds). 2013. *Conservation Biology: Voices from the Tropics*. John Wiley & Sons.
17. Thapar, V. 1998. *Land of the Tiger: A Natural History of the Indian Subcontinent*.
18. Warren, C.E. 1971. *Biology and Water Pollution Control*. WB Saunders.
19. Wilson, E.O. 2006. *The Creation: An appeal to save life on earth*. New York: Norton.
20. World Commission on environment and Development. 1987. *Our Common Future*. Oxford University Press.
21. www.nacwc.nic.in
22. www.opcw.org