

MANIPUR UNIVERSITY
CANCHIPUR : IMPHAL

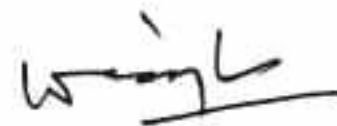
OFFICE ORDER NO. /522
Dated, the 20th September/2022

No.MU/4-133/2020: The Deans' Committee under Resolution No.3 of its meeting held on 16.09.2022 has approved the following Syllabi of Ability Enhancement Compulsory Courses (AECC) for Undergraduate Courses under NEP-2020:-

- (i) AECC-1: (a) English Communication (AECC-1),
(b) Manipuri (AECC-1)
(c) Hindi (AECC-1) and

- (ii) AECC-2: Environmental Science.

The Syllabi of Ability Enhancement Compulsory Courses (AECC) for Undergraduate Courses under NEP-2020 which exist, if any, in other subjects, have been replaced by the above approved AECC syllabi.



(Prof. W. Chandbabu Singh)
Registrar

Copy to:-

1. AR to the Vice-Chancellor, MU
2. Deans of Schools of Studies, MU
3. Director, University & Higher Education, Govt. of Manipur, Imphal
4. Principals of affiliated colleges, Manipur
5. Deputy Registrar (Academic), MU
6. Office Order Book
7. Relevant File



MANIPUR UNIVERSITY
CANCHIPUR, IMPHAL

Ability Enhancement Compulsory Course-1 (AECC-1) in
ENGLISH COMMUNICATION

Course Code: AECC1-EC

Course Title: English Communication (AECC-1)

Credits: 4 credits/100 Marks

Course objectives: The purpose of this course is to introduce students to the theory, fundamentals and tools of communication and to develop in them vital communication skills which should be integral to personal, social and professional interactions. One of the critical links among human beings and an important thread that binds society together is the ability to share thoughts, emotions and ideas through various means of communication: both verbal and non-verbal. In the context of rapid globalization and increasing recognition of social and cultural pluralities, the significance of clear and effective communication has substantially enhanced. The present course hopes to address some of these aspects through an interactive mode of teaching- learning process and by focusing on various dimensions of communication skills. Some of these are: Language of communication, various speaking skills such as personal communication, social interactions and communication in professional situations such as interviews, group discussions and office environments, important reading skills as well as writing skills such as report writing, note-taking etc. While, to an extent, the art of communication is natural to all living beings, in today's world of complexities, it has also acquired some elements of science.

Learning Outcomes: At the end of the course, the students are expected to have developed the capability to share their thoughts, emotions and ideas in both communication and writing; they should find a difference in their personal and professional interactions.

SYLLABUS

Unit 1: Communication - Theory and Types (1 credit)

Theory of Communication
Types and modes of Communication
Verbal and Non-verbal (Spoken and Written)
Barriers and Strategies
Inter-personal and Group communication

Unit 2: Listening and Speaking skills in English (1 credit)

Basic English Sounds
Importance of Listening Skills
Types of Listening Skills
Barriers to Listening and Effective Listening
Dialogue
Group Discussion
Effective Communication/ Mis-Communication Interview

Unit 3: Reading and Understanding (1 credit)

Close Reading Comprehension

Summary

Paraphrasing

Analysis and Interpretation

Unit 4: Writing Skills (1 credit)

Documenting

Report Writing

Making notes

Letter writing

PRESCRIBED TEXT:

Connect: Course in Communicative English, Debashis Bandyopadhyay & Malathy Krishnan
Cambridge University Press, New Delhi, 2018

RECOMMENDED READINGS:

1. *Fluency in English - Part II*, Oxford University Press, 2006.
2. *Business English*, Pearson, 2008.
3. *Language, Literature and Creativity*, Orient Blackswan, 2013.
4. *Enrich Your English*, OUP, SR Inthira and V. Saraswathi, CIEFL, 1997
5. *Oxford A-Z of English Usage*, ed. Jeremy Butterfield, OUP, 2007.
6. *Longman Dictionary of Common Errors*, N.D. Turton and J.B. Heaton, Longman, 1998.



MANIPUR UNIVERSITY
CANCHIPUR, IMPHAL

Ability Enhancement Compulsory Course-1 (AECC-1) in
MANIPURI

Course Code: AECC1-MN
Course Title: Manipuri (AECC-1)
Credits: 4 credits/100 Marks

Learning Outcomes:

Some of the course Learning outcomes are:

- To enable to understand about the Manipuri Poetry from the period of Renaissance up to 1980's period.
- To enable to give critical assessment of Manipuri essay, Novel, Drama and Short story etc.
- To enable to do critical analysis and appreciations of the pre and post 2nd World War Manipuri Literature and its changes.

SYLLABUS

Unit 1: Poetry (1 credit)

Hiam Anganghal	: Minai Luhongba
Dr. Lamabam Kamal	: Bishwaprem
Elangbam Nilakanta	: Lamangnaba
Laishram Samarendra	: Mamang Leikai Thambal Satle
Bhanumati	: Aroiba Wahang
Arambam Memchoubi	: Androgi Mei
Ariba Sheireng	: Nonglou Eshei

Unit 2: Prose (1 credit)

(A) Essay:

Khwairakpam Chaoba	: Minungshi
Khaidem Pramodini	: Chashadki Tejbad Pambi
Chingakham Pishak	: Samaj Amasung Shangskriti

(B) Novel:

Dr. Lamabam Kamal	: Madhabigi Pukchel Hongba (<i>Madhabi Upaniyastagi</i>)
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**(C) Short
Story:**

Rajkumar Shitaljit	: Naknabadagi
M. K. Binodini	: Nungairakta Chandramukhi

(D) Drama:

Khundongbam Brojendro	: Eikhoisu Jibani, Thamoï Palli (<i>Refugee</i>)
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Unit 3: Grammar (1 credit)

- (i) Vowel
- (ii) Consonant
- (iii) Root
- (iv) Affixes
- (v) Syntax – Sentence types

Unit-4: Composition (1 credit)

- (i) Essay
- (ii) Comprehension
- (iii) Amplification

RECOMMENDED BOOKS:

1. *Mahakavi Hijam Anganghal Singhgi Seiren*, (Ed.) Nongmaithem Tombi, 3rd Edition, 1988
2. *Kanshi Seireng*, Manipur University, 2000.
3. *Atoppa Khonjel*, Naharol Sahitya Premi Samitee, 2nd Edition, 1993.
4. *Refugee*, Khundongbam Brojendro, 2002.
5. *Aroiba Wahang*, Sanjenbam Bhanumati, 2001.
6. *Remedial Manipuri*, P.C. Thoudam, Saraswati Printing Works, 1996.
7. *Manipuri Grammar*, Ch. Yasawanta, Yaibiren Communications, 2020.



MANIPUR UNIVERSITY
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Ability Enhancement Compulsory Course-1 (AECC-1) in
HINDI

Course Code: AECC1-HN
Course Title: Hindi (AECC-1)
Credits: 4 credits/100 Marks

पाठ्यक्रम:

इकाई 1. हिंदी की भाषिक ध्वनियाँ और उनका उच्चारण, हिंदी की आधारभूत शब्दावली, सामान्य जीवन में प्रयुक्त हिंदी का प्रयोग ।

इकाई 2. रिश्ते नाते संबंधी शब्दावली, मूहावरे और लोकोक्तियाँ: परिभाषा अंतर, मुहावरे और लोकोक्ति शब्द और वाक्य में प्रयोग ।

इकाई 3. सार- लेखन, पत्र - लेखन, निजी पत्र , कार्यलय पत्र, आवेदन, ज्ञापन, परिपत्र, अधिसूचना, सूचना ।

इकाई 4. अलंकार और छन्द: अलंकार की परिभाषा, शब्दालंकार और अर्थालंकार । छन्द की परिभाषा, मालिक और वार्षिक । शब्द शक्ति और उसका भेद ।

अंक विभाजन

1. आंतरिक मूल्यांकन	-	18 अंक
क) टेस्ट/ गृहकार्य/ संगोष्ठी	-	15
ख) क्लास में उपस्थिति	-	03
2. सेमेस्टर परीक्षा	-	52 अंक
क) आलोनात्मक प्रश्न	(3X12)=	36
ख) टिप्पणी	(2X4)=	08
ग) अतिलघुत्तरीय प्रश्न	(8X1)=	8

सहायक ग्रंथ :

1. शैक्षिक व्याकरण और व्यवहारिक हिंदी- कृष्णकुमार गोस्वामी, आलेख प्रकाशन-नई दिल्ली ।
2. हिंदी का व्याख्यात्मक व्याकरण- सूरजभान सिंह, साहित्य सलाहकार, कृष्णनगर दिल्ली ।
3. अच्छी हिंदी कैसे बोलें, लिखें- भोलानाथ तिवारी, लिपि प्रकाशन दिल्ली ।
4. प्रामाणिक आलेखन और टिप्पण- राजपाल एण्ड सन्स- दिल्ली ।
5. काव्यांग प्रकाश - डॉ. विजयापाल सिंह विश्वविद्यालय प्रकाशन, वाराणसी ।
6. रस; दोष, छंद, अलंकार, निरूपण- डॉ. मनहर गोपाल भार्गव एवं श्री राकेश, प्रकाशन केन्द्र, लखनऊ



MANIPUR UNIVERSITY
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Ability Enhancement Compulsory Course-2 (AECC-2) in
ENVIRONMENTAL SCIENCE

Course Code: AECC2-ES

Course Title: Environmental Science (AECC-2)

Credits: 4 credits/100 Marks

Course objectives:

1. To make students realize the importance and their role in the protection and maintenance of a healthy environment for sustainable development.
2. To enable students to grasp the significance and issues related to ecosystems, biodiversity and natural resources, and ways of managing/ protecting them.
3. To enable students to have a nuanced understanding of environmental pollution, solid waste management and climate change and to act with concern on environmental issues.
4. To make students aware of the environmental policies and movements, and the role of individuals and communities in environmental protection for educating and inspiring the young minds.

Learning Outcomes:

At the end of the course, students will –

1. Understand the importance and dimension of a healthy environment, become environmentally conscious, skilled and responsible in all their actions with a concern for sustainable development.
2. Comprehend the significance and issues related to ecosystems, natural resources and bio-diversity and become aware of the need and ways to protect/ preserve them.
3. Grasp the issues related to environmental pollution, solid waste management and climate change, and become conscious and proactive in the discharge of their responsibilities towards the environment.
4. Become aware and appreciate the values and concerns of environmental movements and policies and the role of communities, and act responsibly on environment-related issues.

SYLLABUS

Unit 1: Introduction (1 credit)

- 1.1** Environmental Studies – Importance and scope, multidisciplinary nature; Concept of sustainability and sustainable development
- 1.2** Ecosystems –Concept, structure and function; Pond ecosystem, Forest ecosystem; Food chains, Food webs; Concept of ecological succession

- 1.3 Bio-geographical zones of India; Levels of biological diversity- Genetic, Species and ecosystem; Biodiversity Hotspots with special reference to India; Threats to biodiversity
- 1.4 Conservation of biodiversity: In-situ and Ex-situ; Endangered and endemic species – Concept; Afforestation – Social forestry, Agroforestry, Green belt

Unit 2: Environmental pollution and its management (1 credit)

- 2.1 Air pollution, water pollution, noise pollution, - Causes, effect and control measures
- 2.2 Climate change, global warming, ozone layer depletion, acid rain and its impact on human communities and agriculture
- 2.3 Solid waste management - biodegradable and non-biodegradable waste; Segregation of domestic waste at source
- 2.4 Impact of plastic on human and animal health

Unit 3: Natural resources and management (1 credit)

- 3.1 Land resources and land-use changes; Land degradation, soil erosion and desertification
- 3.2 Water: Use and over-exploitation of surface and groundwater; Water conservation - rainwater harvesting; Watershed management – Meaning and importance
- 3.3 Energy resources: Renewable and non-renewable energy sources, use of alternate energy sources
- 3.4 Disaster management– Definition and types (Natural and Man-made); Self-protection during disasters (Fire, Floods, Earthquakes, landslides)

Unit 4: Environmental Policies and Practices (1 credit)

- 4.1 Human population growth: Impact on environment, human health and welfare; Environmental ethics– Role of religion and cultures
- 4.2 Environment movements – Chipko, Narmada Bachao Andolan, Silent valley, Bishnois of Rajasthan
- 4.3 Individual and community initiatives – Salu Marada Thimmakka; Concept of Sacred Groves (Devarakadu)
- 4.4 Environment Protection Act; Biodiversity Act (2002); National Environmental Policy, 2006 – Provisions and importance; Environmental Impact Assessment – Concept; Swachh Bharat Mission– Objectives; International agreements – Montreal and Kyoto protocols

RECOMMENDED BOOKS:

1. Asthana, D. K. (2006). *Text Book of Environmental Studies*. S. Chand Publishing.
2. Basu, M., Xavier, S. (2016). *Fundamentals of Environmental Studies*, Cambridge University Press, India
3. Basu, R. N., (Ed.) (2000). *Environment*. University of Calcutta, Kolkata
4. Bharucha, E. (2013). *Textbook of Environmental Studies for Undergraduate Courses*. Universities Press, India.
5. De, A.K., (2006). *Environmental Chemistry*, 6th Edition, New Age International, New Delhi.
6. Mahapatra, R., Jeevan, S.S., Das, S. (Eds) (2017). *Environment Reader for Universities*, Centre for Science and Environment, New Delhi.

7. Masters, G. M., & Ela, W. P. (1991). *Introduction to environmental engineering and science*. Englewood Cliffs, NJ: Prentice Hall.
8. Odum, E. P., Odum, H. T., & Andrews, J. (1971). *Fundamentals of ecology*. Philadelphia: Saunders.
9. Sharma, P. D., & Sharma, P. D. (2005). *Ecology and environment*. Rastogi Publications.

FURTHER READINGS:

1. Agarwal, K.C. (2001) *Environmental Biology*, Bikaner, Nidhi Pub.
2. Basker, Sushmitha & Bhasker, R. (2007) *Environmental Studies for Undergraduate Courses*, New Delhi, Unicorn Books.
3. Bharucha, Erach, (2013) *Textbook of Environmental Science*. Orient Black Swan.
4. Bhatt, K. N. (2010) *Population Environment and Health – emerging issues*, Jaipur, Rawat.
5. Carson, R. (2002) *Silent Spring*. Houghton Mifflin Harcourt.
6. Coenraads, Robert (2010) *Natural disasters and how we cope* Millennium House.
7. Hebbar, Aravinda, (2003) *Parisara Vijnana*, Udupi, Lathangi Prakashana.
8. Gadgil, M., & Guha, R. (1993). *This Fissured Land: An Ecological History of India*, Univ. of California Press.
9. Gleeson, B. and Low, N. (eds.) (1999). *Global Ethics and Environment*, London, Routledge.
10. Glejck, P. H. (1993). *Water in Crisis*. Pacific Institute for Studies in Dev., Environment & Security. Stockholm Env. Institute, OUP.
11. Groom, Martha J., Gary K. Meffe, and Carl Ronald Carroll. (2006). *Principles of Conservation Biology*. Sunderland: Sinauer Associates.
12. McCully, P. (1996). *Rivers no more: the environmental effects of dams* (pp. 29-64) Zed Books.
13. McNeill, John R. (2000). *Something New Under the Sun: An Environmental History of the Twentieth Century*.
14. Nandini, N. (2019). *A textbook on Environmental Studies (AECC)*. Sapna Book House, Bengaluru.
15. Grumbine, R. Edward, and Pandit, M.K. (2013). *Threats from India's Himalaya dams*. *Science*, 339: 36-37.
16. Odum, E. P. (1983) *Basic Ecology*, Philadelphia: Saunders.
17. Pandey, G.N. (1997) *Environmental Management*. Vikas Publishing House.
18. Roy, Pashupati Kumar and Kumar, Arvind (2008) *Environmental Resource Management*. Daya Pub.
19. Pepper, I.L, Gerba, C.P. & Brusseau, M.L. (2011). *Environmental and Pollution Science*. Academic Press.
20. Rao, M.N. & Datta, A.K. (1987). *Waste Water Treatment*. Oxford and IBH Pub.
21. Raven, P.H., Hassenzahl, D.M. & Berg, L.R. (2012). *Environment*. 8th edition. John Wiley & Sons.
22. Divan, S & Rosencranz, A. (2001). *Environmental law and policy in India*. Oxford University Press.
23. Sengupta, R. (2003). *Ecology and economics: An approach to sustainable development*, Oxford University Press.
24. Sharma, P.D. (2011) *Ecology and Environment*, Rastogi Publications.
25. Singh, Harimohan (2010) *Waste Water Treatment Technology*, Alfa Publications, New Delhi.

26. Singh, Janamjit (2006) Biodiversity - planning for sustainable development, Deep and Deep Pub., New Delhi.
27. Singh, R.B. and Mal, Suraj (2009) Environmental change and bio-diversity. Rawat, Jaipur.
28. Singh, J.S., Singh, S.P. and Gupta, S.R. (2014). Ecology, Environmental Science and Conservation. S. Chand Publishing, New Delhi.
29. Sodhi, N.S., Gibson, L. & Raven, P.H. (eds). (2013). Conservation Biology: Voices from the Tropics. John Wiley & Sons.
30. Thapar, V. (1998) Land of the Tiger: A Natural History of the Indian Subcontinent, University of California Press, Berkeley.
31. Warren, C. E. (1971). Biology and Water Pollution Control. WB Saunders.
32. Wilson, E. O. (2006). The Creation: An appeal to save life on earth. New York: Norton.
33. World Commission on Environment and Development. (1987). Our Common Future. Oxford University Press.