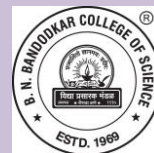


Academic Council Meeting No. and Date : **30th April 2021**

Agenda Number : 04 Resolution Number : 3 & 4 / 4.11 & 4.27



**Vidya Prasarak Mandal's
B. N. Bandodkar College of
Science (Autonomous), Thane**



**Syllabus for
Programme : Bachelor of Science
Specific Programme :
Ability Enhancement Course
[F.Y.B.Sc. (English)]
Basic English Learning Course and
Scientific English Writing
Level 4.5**

CHOICE BASED GRADING SYSTEM

Revised under NEP

From academic year 2023 - 2024

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Preamble

Initially, the course is offered to learners enrolled in the B.Sc. (Interdisciplinary Science) Programme. But under NEP, it is introduced to first-year B.Sc students as an Ability enhancement course for credit 2 .

In today's globalized world, effective English communication is crucial for personal, academic, and professional advancement. The Basic English Learning Course offers a foundational grasp of English, covering grammar, vocabulary, pronunciation, and everyday communication. Conversely, the Scientific English Writing course is tailored for those in scientific fields, emphasizing clear articulation of complex ideas, proper scientific paper structuring, and adherence to specific writing conventions and ethical standards. Together, these courses provide a holistic English learning experience, catering to both general and specialized needs, whether you're a beginner or a professional seeking to refine scientific writing skills.

Course Outcome: after learning Basic English and scientific English writing students can --

- Understanding of English grammar, Vocabulary expansion, phonetics, and pronunciation and use of common English phrases and idioms
- Proficiency in using technical and scientific vocabulary appropriately.
- Mastery of grammar and syntax specific to scientific writing.
- Ability to structure scientific papers, including abstracts, introductions, methods, results, and discussions.
- Understanding of how to cite sources and format references following specific scientific style guidelines (e.g., APA, MLA, Chicago).
- Capability to write clear and concise scientific abstracts, research proposals, laboratory reports, and scientific articles
- Skill in presenting complex scientific information in an organized and coherent manner.
- Development of critical thinking and analytical skills necessary for scientific writing.
- Understanding of ethical considerations in scientific writing and research.
- Enhancement of editing and proofreading skills to ensure accuracy and clarity in scientific documents.

Eligibility: Passed 12th standard (HSC) of Maharashtra State Board / CBSE / ICSE board.

Duration: 1 Year (level 4.5)

Mode of Conduct: Offline

Offline lectures / online lectures

Total Credits for the course in 4.5 level: 2

Eligibility For certificate if exit at level 4.5 (by completing F. Y. B.Sc credit framework)

Name of the Degree course: FY.B.Sc

Discipline/Subject:

BOS Chairperson: Dr. Moses Kolet

VPM's B.N.Bandodkar College of Science (Autonomous), Thane
F.Y.B.Sc. (Indian Knowledge System) under NEP

Structure of Programme

Semester I

	Course Code	Ability Enhancement Course Course Title	No. of hours	Credits
AEC	23BUEN1T8	Basic English Learning Course	30	2
Total			30	2

Semester II

	Course Code	Ability Enhancement Course Course Title	No. of hours	Credits
AEC	23BUEN1T8	Scientific English Writing	30	2
Total			30	2

Semester I Syllabus			
SEMESTER I Code 23BUEN1T8	Course Title Basic English Learning Course	Credits 2	No. of lectures in hrs.
Learning Outcomes: Learners will be able to: <ul style="list-style-type: none"> acquire practical command of English develop a set of core vocabulary and expressions for use in scientific communication 			
Unit I: Basic English	1.1 Basic English grammar Noun, pronoun, verb, adverb, adjective, preposition, conjunction, interjection Tenses, kinds of tenses Using of correct verb forms 1.2 Sentences: <ol style="list-style-type: none"> Subject predicate and kinds (assertive, declarative, interrogative, Imperative, exclamatory) Types of sentences (simple, compound, complex) Sentence- Fragment (link) Run-on sentence and Comma splices, semicolon (link) Punctuations. articles- a, an, the Vocabulary: Word Formation: Prefix, Suffix, Conversion, compounding, abbreviation, idioms 1.3 Clause and phrase: <ol style="list-style-type: none"> Voice- Active & passive (identify and change) Clauses- Independent and dependent; coordination and subordination 1.4 Transformation <ul style="list-style-type: none"> - Antonyms, Synonyms - Homophones, Homonyms - Collocation - Active and passive voices - Degree of comparison 	15	
Unit II: Comprehension English	2.1 Figures of speech 4L Simile, metaphor, personification, apostrophe, Antithesis, epigram, Metonymy, Synecdoche, Hyperbole, Euphemism, Irony, Pun, Interrogation, Exclamation, Climax and anticlimax 2.2 Tutorial activities 6L <ol style="list-style-type: none"> Reading Vocabulary learning Conversation Essay writing Short speeches Dialogues Writing Mock interviews Visual data interpretation- graphs, charts, figures, maps, animations Drafting formal mail 	15	

SEMESTER II - Syllabus

Course Code 23BUEN2T8	Course Title Scientific English Writing	Credits 2	No. of lectures in hrs. 30
Learning Outcomes: Learners will be able to: <ul style="list-style-type: none"> acquire basic information of scientific writing develop ability to interpret data, express it as a scientific report and use appropriate ICT tools for the same 			
Unit I: Scientific Writing	Types of research articles: 8L 1. Review article 2. Original research article 3. Book chapter 4. Book review 5. Conference abstract 6. Short communications/note 7. case study 1.1 Organization of original research article: writing Abstract, Introduction, Materials & Methods, Results, Discussion and Conclusion 3L 1.3 Importance of tables, figures and schematics in a research article 1L 1.2 Review of Literature 2L 1.3 Bibliography and different citation formats 1L 1.4 Importance of statistics in research 1L	15	
Unit II: Interpretation , Report writing and use of IT in research	1 Interpretation: Meaning of Interpretation, Why Interpretation? Technique of Interpretation, Precautions in interpretation. 2.2 Report writing: Different steps in writing report, Layout of research report, Types of reports, Plagiarism, Poster & Oral Presentation. 2.3 Use of ICT in research: List of software available for Pre-data, data and post data analysis 2.4 Demonstration of Use of websites and software useful in Research: Google scholar, Shodhganga, Mendeley, NDLI, JSTOR, working with Microsoft excel, introduction to SPSS, use of software for plagiarism check	15	

Pattern of Evaluation

Internal 20

MCQ Test/ Online MCQ Test (Duration: 1 Hour)

External 30 mark

Duration : 1 hour 30 Minutes.

Total : 30 Marks.

All questions are compulsory.

Q.1	Answer any one of the following a) Based on Unit I b) Based on Unit I	10 Marks
Q.2	Answer any one of the following a) Based on Unit II b) Based on Unit II	10 Marks
Q.3	Answer any one of the following a) Based on Unit I b) Based on Unit II	10 Marks

Note: The exam section of the college may make changes in the duration of exam time as per the exam rules.

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