

SEMESTER-I			
Skill Enhancement Course - I Professional English for Mathematics - I			
Course Code:21UMAPE1	Hrs/Week: 2	Hrs/Sem: 30	Credits: 2

Objectives:

- To develop the language skills of students by offering adequate practice in professional contexts.
- To enhance the lexical, grammatical and socio-linguistic and communicative competence of first year physical sciences students

Course Outcome:

CO.No.	Upon completion of this course, students will be able to	PO addressed	CL
CO-1	Recognise their own ability to improve their own competence in using the language	3	Un
CO-2	Use language for speaking with confidence in an intelligible and acceptable manner	3	An
CO-3	Understand the importance of reading for life	8	Cr
CO-4	Read independently any unfamiliar texts with comprehension	3	Un
CO-5	Understand the importance of writing in academic life	3	An
CO-6	Write simple sentences without committing error of spelling or grammar.	4	Un
CO-7	Develop critical thinking skills and get culturally aware of the target situation	3	Cr

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UNIT 1: COMMUNICATION

Listening and Speaking:

Listening to audio text and answering questions

Listening to Instructions

Pair work and small group work.

Reading and writing:

Comprehension passages –Differentiate between facts and opinion

Developing a story with pictures.

Word Power/Vocabulary:

Register specific - Incorporated into the LSRW tasks

Grammar in Context:

Adverbs, Prepositions.

UNIT 2: DESCRIPTION

Listening: Listening to process description.-Drawing a flow chart.

Speaking: Role play (formal context)

Reading: Skimming/Scanning-Reading passages on products, equipment and gadgets.

Writing: Process Description –Compare and Contrast

Paragraph-Sentence Definition and Extended definition- Free

Writing.

Vocabulary: Register specific -Incorporated into the LSRW tasks.

UNIT 3: NEGOTIATION STRATEGIES

Listening: Listening to interviews of specialists / Inventors in fields (Subject specific)

Speaking: Brainstorming.(Mind mapping). Small group discussions (Subject-Specific)

Reading: Longer Reading text.

Writing: Essay Writing (250 words)

Vocabulary: Register specific - Incorporated into the LSRW tasks

UNIT 4: PRESENTATION SKILLS

Listening: Listening to lectures.

Speaking: Short talks.

Reading: Reading Comprehension passages

Writing: Writing Recommendations

Interpreting Visuals inputs

Vocabulary: Register specific -Incorporated into the LSRW tasks

UNIT 5: CRITICAL THINKING SKILLS

Listening: Listening comprehension- Listening for information.

Speaking: Making presentations (with PPT- practice).

Reading: Comprehension passages –Note making.

Comprehension: Motivational article on Professional Competence, Professional Ethics and Life Skills)

Writing: Problem and Solution essay– Creative writing –Summary writing

Vocabulary:Register specific - Incorporated into the LSRW tasks

Links for Reference

1. Britannica, T. E. (Ed.). (2020, April 16). Marie Curie. Retrieved June 18, 2020, from Encyclopedia
2. Britannica. Wikipedia, T. E. (Ed.). (16, June 2020). Marie Curie. Retrieved June 18, 2020, from Wikipedia.
3. <https://www.myindiamyglory.com/2018/07/12/raman-effect-how-indian-scientist-cv-raman-discovered-why-sea-is-blue/>
4. <https://opensource.com/resources/internet-of-things>
5. <http://warofcurrents.newtfire.org/>
6. <https://www.youtube.com/watch?v=ubpsosv7mHM>
7. <https://www.englishclub.com/reading/health/cell-phone.htm>
8. <https://www.britannica.com/biography/Isaac-Asimov>
9. <https://www.softschools.com/>
10. <https://www.space.com/17056-kalpana-chawla-biography.html>
11. <https://labour.gov.in/childlabour/census-data-child-labour>
12. https://www.bu.edu/csp/Conferences/Space_Exploration/Day1/Presentations/Kalam_Space%20Exploration%20and%20Human%20Life.pdf
13. <https://www.youtube.com/watch?v=WEKzNH09Vqs>
14. <https://www.bbc.com/news/world-europe-48616174>
15. <https://semiengineering.com/how-5g-differs-from-previous-network-technologies/>
16. <https://www.thehindubusinessline.com/info-tech/scientists-caution-government-to-go-slow-on-5g-roll-out/article28737197.ece>
17. <https://www.downtoearth.org.in/interviews/science-and-technology/-5g-is-unlikely-to-cause-health-concerns--63698>

SEMESTER-II			
Skill Enhancement Course - II Professional English for Mathematics - II			
Course Code :21UMAPE2	Hrs/Week: 2	Hrs/Sem: 30	Credits: 2

Objectives:

- To Increase the proficiency of students from all levels and abilities by refining their speaking, writing, reading, and listening skills.
- To provide a comprehensive and intensive course that assists students in achieving their professional, personal and educational objectives.

Course Outcome:

CO.No.	Upon completion of this course, students will be able to	PO addressed	CL
CO-1	understand the basic objective of the course and obtain strong professional vocabulary for its application at different platforms	3	Un
CO-2	Apply the knowledge for writing purposes such as Presentation, drafting and project report etc.	2	Ap
CO-3	Evaluate the correct and error-free writing by being well-versed in rules of English grammar and cultivate relevant technical style of communication and presentation.	8	Ev
CO-4	Apply techniques for developing inter-personal communication and to respond questions at a formal interview	8	Ap
CO-5	Apply it for practical and oral presentation purposes by being honed up in presentation skills and voice-dynamics	6	Ap
CO-6	Use critical thinking skills to face everyday life situations.	5	Cr
CO-7	Develop strategic competence that will help in efficient communication	6	Ap
CO-8	Apply the acquired knowledge and ideas in giving opinions during the meeting and making concluding remarks.	8	An

SEMESTER-II			
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Course Code :21UMAPE2	Hrs/Week: 2	Hrs/Sem: 30	Credits: 2

UNIT 1: COMMUNICATIVE COMPETENCE

Listening and Speaking:

Listening and responding to complaints (formal situation)

Listening to problems and offering solutions (informal)

Reading and writing:

Reading aloud (brief motivational anecdotes)

Writing a paragraph on a proverbial expression/motivational idea.

Word Power/Vocabulary:

Synonyms & Antonyms

Grammar in Context:

Adverbs, Prepositions.

UNIT 2: PERSUASIVE COMMUNICATION

Listening and Speaking:

Listening to famous speeches and poems

Making short speeches- Formal: welcome speech and vote of thanks.

Informal occasions- Farewell party, graduation speech

Reading and Writing:

Writing opinion pieces (could be on travel, food, film / book reviews or on any contemporary topic)

Reading poetry

Reading aloud: (Intonation and Voice Modulation)

Identifying and using figures of speech - simile, metaphor, personification etc.

Word Power/Vocabulary:

Idioms & Phrases

Grammar in Context

Conjunctions and Interjections.

UNIT 3: DIGITAL COMPETENCE

Listening and Speaking:

Listening to Ted talks

Making short presentations – Formal presentation with PPT, analytical presentation of graphs and reports of multiple kinds

Interactions during and after the presentations

Reading and writing:

- Writing emails of complaint
- Reading aloud famous speeches

Word Power/Vocabulary:

- One Word Substitution

Grammar in Context:

- Sentence Patterns

UNIT 4: CREATIVITY AND IMAGINATION**Listening and Speaking**

- Participating in a meeting: face to face and online
- Listening with courtesy and adding ideas and giving opinions during the meeting and making concluding remarks.

Reading and Writing

- Reading visual texts – advertisements
- Writing a Brochure

Word Power/Vocabulary:

- Denotation and Connotation

Grammar in Context:

- Sentence Types.

UNIT 5: WORKPLACE COMMUNICATION & BASICS OF ACADEMIC WRITING**Listening and Speaking:**

- Informal interview for feature writing
- Listening and responding to questions at a formal interview

Reading and Writing

- Writing letters of application
- Readers' Theatre (Script Reading)
- Dramatizing everyday situations/social issues through skits. (Writing scripts and performing)

Word Power/Vocabulary:

- Collocation

Grammar in Context:

- Working With Clauses.

Links for Reference

1. <https://www.collinsdictionary.com/>
2. https://youtu.be/moJjKqkn_Xs
3. <https://www.collinsdictionary.com/>
4. <https://www.theguardian.com/commentisfree/2020/sep/08/robot-wrote-this-article-gpt-3>
5. https://owl.purdue.edu/owl/general_writing/academic_writing/essay_writing/argumentative_essays/says
6. <https://youtu.be/5ctbvkAMQO4>
7. <https://www.wareable.com/fitness-trackers/how-your-fitness-tracker-works-1449>
8. <https://www.hfe.co.uk/blog/a-study-of-fitness-trackers-and-wearables/>
9. https://youtu.be/o_f7mp_tTqw
10. <https://www.youtube.com/watch?v=IOluK9i1yiw&feature=youtu.be>
11. <https://www.sciencehistory.org/historical-profile/antoine-laurent-lavoisier>
12. <https://youtu.be/AE0kuHKoitE>
13. <https://science.howstuffworks.com/math-concepts/fibonacci-nature.html>
14. <https://youtu.be/nt2OlMAJ6o>
15. <https://www.everythingrf.com/community/what-is-electronic-warfare>
16. <https://www.youtube.com/watch?v=Rsa1zsOx5Mw>
17. <http://www.bhopal.com/>
18. <https://www.youtube.com/watch?v=4WZTzKu3CsY>
19. <https://www.youtube.com/watch?v=khc2wUBsFU4>
20. <http://www.bhopal.com/>
21. <https://www.youtube.com/watch?v=32vJxDUr-nE>
22. <https://www.youtube.com/watch?v=BLhwNhtYU5E>
23. <https://www.bbc.com/news/science-environment-55365434>
24. https://www.ted.com/talks/ray_kurzweil_get_ready_for_hybrid_thinking?referrer=playlist-talks_on_artificial_intelligence%23t-146994
25. <https://celebratepicturebooks.com/tag/writing-resources-for-kids/>
26. <http://www.englishclub.com/writing/punctuation.htm>
27. <http://guidetogrammar.org/grammar/marks/marks.htm>
28. http://www.grammarbook.com/english_rules.asp