

**CBEL Code: ELE 301**  
**Course: Scientific Writing**  
**Duration: 40 Hrs.**

<b>Credits: 4</b>		
<b>Lecture Hours</b>	<b>Practical/Activity Hours</b>	<b>Mode</b>
<b>8</b>	<b>32</b>	<b>Blended</b>

**Overview**

In this course, students will learn and practice the writing and other communication activities of the scientific articles. This course is designed for all the fields and to learn this course does not require any pre-requisite writing skills. The primary focus of the course is to prepare students to write and communicate scientific articles effectively within scientific communities. By the end of the course the learners will be able to -

- Write and edit scientific articles
- Create quality graphs, tables, and other scientific figures/diagrams.
- Cite the scientific literature properly.
- Communicate science to public audiences.
- Search scientific databases
- Use ethical practices.

<b>COURSE STRUCTURE</b>					
Module (M)	Content/Topic	Hours	Activity/Assignment (outside Class)	Hours	Bloom's Level
M1	Introduction	2			1,2
M2	Structure and Content	2	A1	3	2,3,4
M3	Writing Style	2	A2	3	2,3,4
M4	Scientific Typesetting System	2	A3	4	2,3,4
Total Hours of Lecture		<b>8</b>		10	
End of Course Project			A4	22	
Course end Evaluation				<b>32</b>	2,3, 4,5

<b>Module wise Content</b>	
Module 1	Module 1: Introduction – Introduction, Why scientific writing? Plagiarism and scientific misconduct, Searching scientific database.
Module 2	Module 2: Structure and Content – Reporting according to the IMRAD structure
Module 3	Module 3: Writing Style – Structure and lay-out, Literature references, General writing style, Spelling.
Module 4	Module 4: Scientific Typesetting System - LaTeX

**Suggested Study Materials & References:**

PPTs, E-notes & Audio-Visual materials (to be provided by the faculty/co-ordinator)

Technical Writing Essentials by Suzan Last

Scientific Writing by David Lindsay

Successful Scientific Writing by J. R Matthews and R. W Matthews

<b>ASSESSMENT SCHEME</b>					
Interim Formative Assessment [A1 – A3: 10 Hours]					
Course-end Summative Assessment [A4: 22 Hours]					
<b>Formative Assessment - X</b>					
S.L. No.	Slot	Hours	Content/Topic	Assessment Type	Marks
A1	M2	3	Content / Topics covered in M1 - M2	Practical	30
A2	M3	3	Content / Topics covered in M3	Practical	30
A3	M4	4	Content / Topics covered in M – M4	Practical	40
Total [A1+A2+A3]					100
<b>Summative Assessment-Y</b>					
A4	End of Lectures	22	Content/Topic covered in M1 – M4	Project	100
Computation of Final Score: [X+Y]					
<ul style="list-style-type: none"> <li>X: 50% of total marks obtained out of total marks 100 in Formative Assessment cumulatively (A1+A2+A3)</li> <li>Y: 50% of marks obtained out of total marks 100 in Course-end Summative Assessment (A4)</li> </ul>					
Gradation Scheme:					
<ul style="list-style-type: none"> <li>90 – 100 : O : Outstanding</li> <li>80 – 89 : A : Excellent</li> <li>70 – 79 : B : Very Good</li> <li>60 – 69 : C : Good</li> <li>50 - 59 : D : Pass</li> </ul>					
Eligibility for Certification:					
<ul style="list-style-type: none"> <li>Attendance &amp; active participation mandatory.</li> <li>Completion/submission of all the three activities/assignments as part of Formative Assessment [A1, A2 &amp; A3]</li> <li>Obtaining minimum Grade D as per the formula for computation of Final Score stated above</li> </ul>					
N.B.: A candidate must satisfy all the criteria mentioned in order to receive the course completion certificate					