

Course Code	ENG599s		
Course Name	Research Methods		
Credits	2		
Course Offered to	PG		
Course Description	This course focuses on improving the skills of scientific reading, writing, presentation, and carrying out literature review for research. In particular, students practice scientific writing via short assignments. They are provided with exercises on research paper reading along with writing short critiques on research papers read. Students will practice on presentation skills and on conducting literature review.		
Pre-requisites			
Pre-requisite (Mandatory)	Pre-requisite (Desirable)	Pre-requisite(other)	
*Please insert more rows if required			
Post Conditions*(For suggestions on verbs please refer the second sheet)			
CO1	CO2	CO3	CO4
Students have improved ability to search for suitable literature and critically read research papers.	Students have improved ability to structure and write good technical/research reports.	Students have improved ability to make good technical presentation.	Students have the ability to understand and follow copyright/plagiarism rules and practices prevalent in scientific literature.
Weekly Lecture Plan			
Week Number	Lecture Topic	COs Met	Assignment/Labs/Tutorial
#1 and #2	Research paper reading; Principles of effective scientific writing: grammar, crafting better sentences, Organization of the paper	CO1,CO2	Assignment-1: Research paper summary; Assignment#2: Presentations on the book Chapter due in 2nd class
#3 and #4	Research paper reading and writing short critique	CO1,CO2	Assignment-3: Critical Review of a research paper; Assignment#4: In-class critique of Summary in Assignment 1
#5 and 6	Issues in writing-plagiarism, authorship; Peer Review	CO2,CO4	Assignment-5: Writing a short Literature review on any topic; Assignment#6: In class-critique of Critical Review submitted in Assignment 3

#7	Making an effective presentation	CO3	Assignment-7: Peer Review;
#8, #9	Thorough discussion on digging the literature for writing literature review along with problem motivation- building the Introduction section of a research paper	CO1,CO2,CO4	Assignment#8: In class-critique of Literature Review submitted in Assignment 5; Assignment#9: In-class exercise --short writing on a technical topic
#10, #11	Writing a short technical research paper; Writing in Latex; Mendeley Software for bibliography	CO1,CO2,CO4	Assignment#10: Research paper writing
#12, #13	Student Presentations on Research paper submitted and Discussion	CO3	Assignment#11: Presentation on Research paper assignment#10 submitted

*Please insert more rows if required

Weekly Lab Plan- Not Applicable

Week Number	Laboratory Exercise	COs Met	Platform (Hardware/Software)

*Please insert more rows if required

Assessment Plan

Type of Evaluation	% Contribution in Grade
Class Participation	10
Homework	40
Paper presentation	15
Term Paper	15
Quiz	20

*Please insert more row for other type of Evaluation

Resource Material

Type	Title
Textbook	Style: Toward Clarity and Grace by J.M.Williams, University of Chicago Press, 1995
Reference	On Writing Well by William Zinsser, Harper Perennial, 2006
Reference	Sin and Syntax, Constance Hale, Three Rivers Press, 2001

Reference	Elements of Style, Strunk and White, Longman Publisher, 1999
Internet Resource	Online resources will be shared