

Dept Number	CS 290	Course Title	Communication Skills and Ethics for Computer Science							
Semester Hours	3	Course Coordinator	Namdar Mogharreban							
Catalog Description	Effective writing, reading, presentation and oral communication skills for computer science professionals. Evaluation and analysis of technical material. Communicating with stakeholders and team members. Professional ethics and responsibilities in society and industry. Legal and sustainability impact. Discussions and assignments utilizing technical materials and case studies pertaining to history, research, practice and ethics in the discipline.									
Textbooks										
SP17										
Reading materials covering different topics in the course will be provided online.										
References										
<i>Essential Communication Strategies: for Scientists, Engineers, and Technology Professionals</i> , Hirsch, H. Wiley, 2003.										
<i>Ethics for the Information Age</i> , Quinn, M., 3 rd Edition. Addison Wesley, 2009.										
Course Learning Outcomes										
<ul style="list-style-type: none"> • To gain skills for understanding and preparation of technical communication. • To gain skills for interpersonal communication. • Gaining knowledge in effective writing, reading, presentation and oral communication skills. • Understanding professional ethics and legal issues. 										
Assessment of the Contribution to Student Outcomes										
SP17										
Outcome →	1	2	3	4	5	6	7	8	9	10
Assessed →							X	X	X	X
Prerequisites by Topic										

CS 201 or CS 202 or consent of the instructor

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Communication Skills and Ethics for Computer Science

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Major Topics Covered in the Course

Introduction { 4 classes }

- Communication and its importance
- Understanding your audience
- Getting your point across
- Professionalism in computer science

Ethical Issues in Computing { 14 classes }

- Legal, social and work issues
- Professional responsibilities
- Ethical concerns
- Case studies

Technical Writing { 12 classes }

- Types of technical correspondence
- Preparation
- Research
- Organization
- Drafting, revising and editing

Professional Communication and Presentation { 10 classes }

Total : 40 Hours