

# Course Outline

## 1. Document Information

<b>Degree Program</b>	Computer Science
<b>Course Number</b>	CS 290
<b>Course Title</b>	Communication Skills and Ethics for Computer Science
<b>Semester Hours</b>	3
<b>Course Coordinator</b>	Rana Salameh
<b>Revision Term</b>	Spring 2020
<b>Latest Revision</b>	Spring 2020

## 2. 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.

## 3. Textbooks

- No Books Required

## 4. References

- Hirsch, H. (2003). Essential Communication Strategies: for Scientists, Engineers, and Technology Professionals. Wiley.
- Quinn, M. (2009). Ethics for the Information Age. 3rd Edition. Addison Wesley

## 5. Course Learning Outcomes

- 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.

## 6. Assessment of the Contribution to Student Outcomes

Outcome	1	2	3	4	5	6
Assessed			X	X		

## 7. Prerequisites by Topic

CS 201 or CS 202 or consent of the instructor

## 8. Major Topics Covered in the Course

1. Introduction {4 classes}
  - Communication and its importance
  - Understanding your audience
  - Getting your point across
  - Professionalism in computer science
2. Ethical Issues in Computing {14 classes}
  - Legal, social and work issues
  - Professional responsibilities
  - Ethical concerns
  - Case studies
3. Technical Writing {12 classes}
  - Types of technical correspondence
  - Preparation
  - Research
  - Organization
  - Drafting, revising and editing
4. Professional Communication and Presentation {10 classes}

Total : 40 Hours