



NATIONAL UNIVERSITY
of Computer & Emerging Sciences, Lahore

Department of Computer Science

CS4001 – Professional Practices In IT

FALL 2024

Instructor Name: Muhammad Adeel

Email address: muhammad.adeel@lhr.nu.edu.pk

Office Location/Number:

Office Hours: After Class

TA Name (if any):

Email address:

Office Location/Number: NA

Office Hours: NA

Course Information

Program: BS

Credit Hours: 3

Type: Core

Pre-requisites (if any):

Course Website (if any):

Class Meeting Time: BCS-7C Monday Wednesday 1:00-2:20 pm NB-310

Course Description/Objectives/Goals:

The course is designed to prepare students for adequately responding to issues faced during the professional life

Computing Profession, Computing Ethics, Philosophy of Ethics. The Structure of Organizations, Finance and Accounting, Anatomy of a Software House, Computer Contracts, Intellectual Property Rights, The Framework of Employee Relations Law and Changing Management Practices, Human Resource Management and IT, Health and Safety at Work, Software Liability, Liability and Practice, Computer Misuse and the Criminal Law, Regulation and Control of Personal Information. Overview of the British Computer Society Code of Conduct, IEEE Code of Ethics, ACM Code of Ethics and Professional Conduct, ACM/IEEE Software Engineering Code of Ethics and Professional Practice. Accountability and Auditing, Social Application of Ethics.

Course Textbook

1. Professional Issues in Software Engineering by Frank Bott, Allison Coleman, Jack Eaton and Diane Rowland, CRC Press; 3rd Edition (2000). ISBN-10: 0748409513
2. Computer Ethics by Deborah G. Johnson, Pearson; 4th Edition (January 3, 2009). ISBN-10: 0131112414
3. A Gift of Fire: Social, Legal, and Ethical Issues for Computing and the Internet (3rd Edition) by Sara Baase, Prentice Hall; 3rd Edition (2008). ISBN-10: 0136008488
4. Applied Professional Ethics by Gregory R. Beabout, University Press of America (1993). ISBN-10: 0819193747.

Additional references and books related to the course:

- a) Professional Issues in Information Technology (Second Edition) – Frank Bott et al
- b) Ethics in Information Technology - George W. Reynolds
- c) The Art of Unix Programming
- d) The Pragmatic Programmer
- e) "The Art of Unix Programming"
- f) Peopleware 3rd Edition" by Timothy Lister and Tom DeMarco.
- g) "WINNING" by Jack Welch

Tentative Weekly Schedule

S#	Topic	Week(s)	¹ Readings	Project Deliverables
1	Computing Ethics, Philosophy of Ethics	1	Chapter 1[2] Chapter 2 [2]	
2	Introduction and appreciation to the course. Basics of Law. Profession, Computing Profession, Professional Bodies	2-3	Chapter 1 [a] Chapter 1 [1] Chapter 2 [a]	Assignment 1
3	Organization, Legal Status of organization, Structure and management of Organization Financing a startup-company, Finance and Accounting, Accountability and Auditing	3, 4,5	Chapter 2[1] Chapter 3,4[2] Chapter 3[1] Chapter 5,6[a]	Assignment 2

¹ Numbers in square brackets correspond to books numbered in "Reference Material" section.

[illegible]

(Tentative) Grading Criteria

Assignments/Project/Presentation/Quizzes/Class Activities: 30

Mid Exams, Final Exam: 15+15, 40

Course Policies

Announcements

Announcements related to different aspects of this course (e.g. lectures, quizzes, exams, etc.) will be posted on google classroom, students are expected to check regularly.

Attendance

All students are expected to attend all lectures from beginning to end. Partial or full absence from a lecture may hamper chances for securing good grades.

Exams

Exams will be closed-book and closed-notes. Syllabus for the final exam will be comprehensive.

Office Hours

Students are encouraged to take full advantage of the instructor's office hours. Any doubts regarding concepts covered in class or any questions regarding quizzes, projects, etc. may be clarified during office hours. In case a student is not able to make it during office hours, he/she may schedule an appointment with the instructor for another time slot.

Quizzes

Quizzes may be announced or unannounced. A quiz will usually be about 5 – 10 minutes long and it may be given anytime during the lecture.

Reading Material

Students are encouraged to finish the assigned readings BEFORE the lecture. This is likely to improve lecture comprehension and class participation.

Revision of Grades

Students can contest their grades on quizzes and project deliverables ONLY within a week of the release of grades. Exams will be available for review according to university policies.

Unfair Means

Students are expected to demonstrate the highest degree of moral and ethical conduct. Any student caught cheating, copying, plagiarizing, or using any other unfair means will be strictly dealt-with in accordance with university policies.