



National Computing Education Accreditation Council NCEAC



NCEAC.DOC.001-E

COURSE DESCRIPTION

NAME OF INSTITUTION	Lahore Garrison University
PROGRAM (S) TO BE EVALUATED	Computer Science , Fall 2022

Course Description :

Course Code	CSC372															
Course Title	Professional Practices															
Credit Hours	3+0															
Prerequisites by Course(s) and Topics	None															
Assessment Instruments with Weights (homework, quizzes, midterms, final, programming assignments, lab work, etc.)	SESSIONAL (Quizzes, Assignments, Presentations) =25 % Midterm Exam =25 % Final Exam = 50%															
Course Coordinator	Dr. Umer Farooq															
URL (if any)																
Current Catalog Description																
Textbook (or Laboratory Manual for Laboratory Courses)	Professional Issues in Software Engineering M.F. Bott et al. Latest edition.															
Reference Material	1. 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 2. Computer Ethics, Deborah G. Johnson, Pearson Education (2001) 3rd edition															
Course Goals	On successful completion of this course, students will be able to: 1. Apply business communication theory to solve workplace communication issues in order to establish and maintain professional relationships. 2. Assess contemporary, professional career environment and, through self-reflection, generate relevant career plans and resources via a range of media. 3. Express complex ideas accurately in written and spoken formats suited to the workplace contexts.															
Course Learning Outcomes (CLOs):	<table><tr><td>At the end of the course the students will be able to:</td><td>Domain</td><td>BT Level*</td></tr><tr><td>Demonstrate continuous professional development by following organizational leadership approach in working environment.</td><td>A</td><td>3</td></tr><tr><td>Identify and Integrate ethical procedures and behaviors in the organization related to Computing Profession.</td><td>A</td><td>4</td></tr><tr><td>Practice and promote ethical culture by demonstrating and following ethical codes, health and safety principles.</td><td>A</td><td>5</td></tr><tr><td>* BT= Bloom's Taxonomy, C=Cognitive domain, P=Psychomotor domain, A= Affective domain</td><td></td><td></td></tr></table>	At the end of the course the students will be able to:	Domain	BT Level*	Demonstrate continuous professional development by following organizational leadership approach in working environment.	A	3	Identify and Integrate ethical procedures and behaviors in the organization related to Computing Profession.	A	4	Practice and promote ethical culture by demonstrating and following ethical codes, health and safety principles.	A	5	* BT= Bloom's Taxonomy, C=Cognitive domain, P=Psychomotor domain, A= Affective domain		
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Topics Covered in the Course, with Number of Lectures on Each Topic (assume 15-week instruction and one-hour lectures)	Week	Lecture	Topics Covered
	Week 1	1	Introduction Computing, Types Of Computing In Context Of Computer Science
		2	Information Technology And Software Engineering, Social And Economic Context Of Computing
	Week 2	3	Introduction To Professional Practices, Professionalism, BCS Code Of Ethics
		4	Introduction To IEEE/ACM Code Ethics,
	Week 3	5	Organizational Structure, Chain Of Commands And Control
		6	Anatomy Of Software Houses
	Week 4	7	Human Resource Management And Its Implications
		8	Intellectual Property Rights, An Introduction To Benefits And Privileges.
	Week 5	9	Employee And Labor Relations As Part Of Professional Attribute
		10	Software Liability And Related Practices
	Week 6	11	Computer Contracts And Regulations
		12	Control Of Data Protections And Defamation Issues
	Week 7	13	Protecting Privacy In Computers And Communication Technology
		14	Key Privacy And Anonymity Issues
	Week 8	1 hours	Mid Term
	Week 9	15	Real World Case Studies
		16	Discussion On Case Of Professional Environment Of Digital Tech Companies
	Week 10	17	Contemporary Issues In Privacy/Information Security.
		18	The CIA Triad Of Information Security.
	Week 11	19	Software Risk And Planning Process
		20	Risk Management Tools And Methods
	Week 12	21	The Use And Misuse Of Computer Technology By Professionals
		22	Health And Safety At Work
	Week 13	23	Cyber Crimes And Hacking
		24	Introduction To Cyber Laws
	Week 14	25	Creating Framework For Cyber Laws Related To Cyber Crimes
		26	Finance And Accounting Of Technology Companies
	Week 15	27	Introduction To Contractual Issues
		28	Modes Of Work As Professional In Companies
	Week 16	29	Drafting Skills: Professional Report Writing
		30	Drafting Skills: Resume Building, Resignation Submission Elements.
	Week 17	2 hours	Final Term
Laboratory Projects/Experiments Done in the Course	None		
Programming Assignments Done in the Course	None		

Instructor Name Dr. Umer Farooq

Instructor Signature

Date