

UNITED INTERNATIONAL UNIVERSITY

Department of Computer Science and Engineering (CSE) Course Syllabus

	F O R							
4	C mil	III D :						
1	Course Title	UI: Design and	Concepts					
2	Course Code	CSE 4945						
3	Trimester and Year	Summer 2024	Summer 2024					
4	Pre-requisites	None	None					
5	Credit Hours	3						
6	Section	A						
7	Class Hours	Saturday 2:00	PM - 4:30 PM					
8	Classroom	Room 529						
9	Instructor's Name	Iftekharul Abe	edeen					
10	Email	iftekharul@cs	iftekharul@cse.uiu.ac.bd					
11	Office	Room #636 (A)						
12	Counseling Hours	Saturday Wednesday	11:30 am - 1:30 pm 8:30 am - 11:00 am					
13	Text Book	1. Design	with the Mind in Mind					
14	Reference							
15	Course Contents (approved by UGC)							
16	Course							
	Outcomes (COs)	COs Descri	ption					
		CO1 Descri	be the UI design tools and features.					
		CO2 Design	and implement UI for web and mobile devices on various					
		CO3 Implem	nentation a personal website to show the skills.					
			n a team and conduct a case study.					
17	Teaching Methods	Lecture, Labor	ratory exercise, and reports, Project Developments.					

18	CO with
	Assessment
	Methods

СО	Assessment Method	(%)
-	Attendance	10%
CO2, CO3, CO4	regular assessment	20%
CO2, CO3, CO4	Case Study	20%
CO2, CO3, CO4	Web project	20%
CO2, CO3, CO4	Final Exam (written)	30%

19 Mapping of Cos and Program outcomes

Cos					Progr	am Ou	tcomes	(Pos)				
	P01	P02	P03	P04	P05	P06	P07	P08	P09	P01 0	P01 1	P01 2
CO1	С											
CO2		С										
CO3		С										
CO4			С						A	A		

20 Lab Outline

Class	Topics/Assignments	COs	Lab Outcomes/Activities	
Lab1	Introduction to UI, Gestalt principles:, Intro to Figma.	CO1, CO2	Lecture, Hands on	
Lab2	Hierarchy and Structure, Figma UI reproduction.	CO1, CO2	Lecture, Practice	
Lab3	CT 1 (Written & computer based)	CO2	Evaluation	
Lab4	Design Frameworks and Types of Design, Figma UI reproduction.	CO1, CO3	Lecture, Practice	
Lab5	User Experience Research, Intro to Framer	CO1, CO2, CO3	Lecture, Hands on	
Lab6	Team formation and project proposal.	CO1, CO3	Open discussion	
Lab7	Prese	ntation		

Lab8	Empathizing with the users, Framer	CO1, CO3	Lecture, Hands on
Lab9	CT 2, Progress report.	CO2	Coding Test 2, Discussion
Lab10	Ideation and Audits, Framer	CO1, CO3	Lecture, Hands on
Lab11	Wireframes and Prototypes, Framer (Complete Portfolio)	CO1, CO3	Lecture, Hands on
Lab12	Final report	CO2	Presentation 2
	Final	Exam	

Appendix 1: Assessment Methods

No.	Criteria	Marks	Remarks
1.	Attendance	10%	
2.	Class Performance	20%	N-1 out of N
3.	Case Study	20%	
4.	Web project	20%	
5.	Final Exam	30%	Held separately during Theory Final
			Exams

Appendix 2: Grading Policy

Letter Grade	Marks %	Grade Point	Letter Grade	Marks%	Grade Point
A (Plain)	90-100	4.00	C+ (Plus)	70-73	2.33
A- (Minus)	86-89	3.67	C (Plain)	66-69	2.00
B+ (Plus)	82-85	3.33	C- (Minus)	62-65	1.67
B (Plain)	78-81	3.00	D+ (Plus)	58-61	1.33
B- (Minus)	74-77	2.67	D (Plain)	55-57	1.00
			F (Fail)	<55	0.00

Appendix-3: Program outcomes

POs	Program Outcomes
P01	An ability to apply knowledge of mathematics, science, and engineering
P02	An ability to identify, formulate, and solve complex engineering problems
PO3	An ability to design solutions for complex engineering problems and design systems, components or processes that meet specified needs with appropriate consideration for public health and safety, cultural, societal, and environmental considerations
P04	An ability to investigate complex problems using research-based knowledge and research methods design and conduct experiments, as well as to analyze and interpret data
P05	An ability to use the techniques, skills, and modern engineering tools necessary for

	engineering practice			
P06	The broad education necessary to understand the impact of engineering solutions			
	in a global, economic, environmental, and societal context			
P07	Understand and evaluate the sustainability and impact of professional engineering			
	work in the solution of complex engineering problems in societal and			
	environmental contexts			
P08	An understanding of professional and ethical responsibility			
P09	An ability function effectively as an individual, and as a member or leader in diverse			
	teams and in multi-disciplinary settings			
PO10	An ability to communicate effectively			
P011	Project management and finance			
P012	A recognition of the need for, and an ability to engage in life-long learning			