The Islamia University of Bahawalpur
Nomination of Elective Courses Form

Campus: Baghdad Ul Jadeed Campus   Department: Computer Science & IT

Program: BS [Computer Science]   Course Type: Elective

Course Title: Cloud Computing   Credit Hrs: 3

Specialization:

	Data Management and Analysis		Mobile and Web Computing
	Software Engineering		Artificial Intelligence
	Computer Networks & Security	✓	Distributed Systems
	Human Computer Interaction		Miscellaneous

Course Learning Objectives: (Please, mention at least three)

1.   To learn Cloud Computing and its essential characteristics

2.   To learn the cloud services

3.   To learn Hybrid Multi-cloud, Serverless, Cloud Native and Application Modernization

Course Contents: (Please, mention at least ten)

Module 1:	Definition and essential characteristics of CC	Module 2:	Evolution of CC
Module 3:	Business cases for clouds	Module 4:	Cloud service types
Module 5:	Main deployment models	Module 6:	Virtual machines, bare metal servers
Module 7:	container-based technologies	Module 8:	Content Delivery Network
Module 9:	Types of storage in clouds	Module 10:	Emerging trends
Module 11:	Web Services	Module 12:	

Textbooks: (Please, mention at least one)

1.   Cloud Computing Principles and Paradigms by Rajkumar Buyya

2.

Reference Books: (Please, mention at least one)

1.   Cloud Application Architectures by George Reese

2.

Online Resources: (Please, mention PDF Book/lecture notes/ lecture slides/ video lectures)

1.   YouTube.com

2.   Coursera.org

3.   PDF notes will be given in class