Institute of Business Administration



CSF-510 Application Development

Zarmeen Nasim

Course Information		Class:561	_								
Information		Class:5619									
and Title	Appli	cation Deve	lopmer	nt							
Class Details		imings and oom	MTL-4								
			MON	TUE	WED	THU	FRI	SAT	SUN		
	Session Day(s)							08:30 AM – 11:15 AM			
	Credit Hours		3								
_		Email Contact No.		znasim@iba.edu.pk							
Course			f this course is to teach the fundamentals of programming and the								
	The general goal of this course is to teach the fundamentals of programming and the basic concepts of application development. The course is designed to be a complete										
	hands-on course, with Python as the preferred data science implementation language.										
Learning •	Knowledge of how to code										
Outcomes	Thorough knowledge about the web based application devel					elopme	nt usir	ng Python			
•	Hands-On experience of application development										
Topics:	Week Topics										
Горгоо.	1 Introduction: Anaconda Installation, Jupyter Notebook, Variables an						hles and				
	*	Data Ty	• • •								
	2		ructures in Python: Lists, Tuples, Sets, Arrays, Dictionaries								
	3		nming Fundamentals: Conditional Statements and Loops								
			ns, Strings and File Handling								
	—		by Library								
			Manipulation using Pandas								
			isualization using Matplotlib								
			Pls in Python								
	10 Project										
	11-12	Web De	velopment using Flask								
	13-14	Project	Project Presentations								
Grading Plan										1	
(Tentative):	C	ategory	Score								
	Assignments		20 Marks								
	H	ourlies (3)	60 Marks								
	Final Project 20 Marks										
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Reference Books	1. P	ython Data S	science :	Handbook	by Jak	e VanderF	rlas 				