COURSE OUTLINE

Programming Languages Advance

S.NO	Lecture Topic	Lab
1	Names Scope and Binding	In Class Questions
2	Lifetime and Scope Rules	In Class Questions
	Electrice and Scope Rules	In Class Questions
3	Semantic Analysis	In Class Questions
4		
4	Memory Management	Dangling Pointer Memory Out of Bound
		Memory Out of Bound
5	Imperative Programming Paradigm	Introduction to Programming in C (C
		environment, Data types, Variables,
		Storage Classes and Operators), I/O
6.	Decision & Control Structures	If/else, Nested if/else, Switch/Case, for
		loop, while loop, Nested loops
7.	Data Abatmatian & Madulanity	Amayıs & Deinters in C
7.	Data Abstraction & Modularity	Arrays & Pointers in C
8.	Introduction to Object Oriented	Introduction to Python (Basic data types,
	Programming I	I/O, if/else, loops)
9	Introduction to Object Oriented	Working with classes and objects
	Programming II	3
10		W. I. G.
10.	Data Structures in Python	Working with Strings and lists in Python
11.	Advance Programming Concepts I	Working with tuples and Dictionary in
		Python
10	A.1	
12	Advance Programming Concepts II	Functions and Classes in Python
13	Dynamic Programming	Python libraries Numpy, Pandas
14	Concurrent Programming	Python Application Programming