Python & C Programming
Teaching Schedule & Assessment Plan

Structured Learning Plan with Exams & Priority Sessions

Instructor: D Charan Jeet

Period: February 6th – March 14th
Focus: Parallel Language Acquisition & Rigorous Assessment

Introduction

This document outlines the comprehensive teaching schedule for the parallel execution of the Python and C Programming courses. The curriculum is designed to alternate between high-level logic building (Python) and low-level memory management (C).

Key features of this schedule include:

- **Parallel Modules:** Alternating focus to prevent concept fatigue.
- **Transition Exams:** Assessments placed strategically between language switches to ensure retention.
- **Priority Classes:** Extended sessions (1–2 hours) focused on complex core concepts.

1 Schedule Overview

Date	Day	Subject	Mod	Topic	Type
6th Feb	Friday	Python	1	Introduction to Python	Regular
7th Feb	Saturday	Python	1	Variables & DataTypes, Ops, I/O	Regular
9th Feb	Monday	C	1	Intro to C & Programming Concepts	Regular
10th Feb	Tuesday	EXAM	–	**BASIC-CORE PYTHON TRANSITION EXAM**	**EXAM**
11th Feb	Wednesday	C	1	Fundamentals of Syntax	Regular
12th Feb	Thursday	C	1	Operators in C	Regular
13th Feb	Friday	Python	2	Control Flow	**PRIORITY**
16th Feb	Monday	Python	2	Python Data Structures	**PRIORITY**
17th Feb	Tuesday	EXAM	–	**BASIC-CORE C TRANSITION EXAM**	**EXAM**
18th Feb	Wednesday	Python	3	Functions in Python	**PRIORITY**
19th Feb	Thursday	Python	3	String Handling, Modules & Packages	Regular
20th Feb	Friday	C	2	Conditional Statements	Regular
23rd Feb	Monday	C	2	Looping & Jump Statements	**PRIORITY**
24th Feb	Tuesday	EXAM	–	**CORE-ADVANCED PYTHON TRANSITION EXAM**	**EXAM**
25th Feb	Wednesday	C	3	Functions - I	Regular
26th Feb	Thursday	C	3	Functions - II	Regular
27th Feb	Friday	Python	4	File handling & Exceptions	Regular
2nd March	Monday	C	4	Arrays	**PRIORITY**
3rd March	Tuesday	C	4	Pointers	Regular
4th March	Wednesday	Python	4	OOP - I	Regular
5th March	Thursday	Python	4	OOP - II	Regular
6th March	Friday	C	4	Composite Data Types & Files	Regular
9th March	Monday	Python	4	Basic Libraries	Regular
10th March	Tuesday	EXAM	–	**CORE-ADVANCED C TRANSITION EXAM**	**EXAM**
11th March	Wednesday	C	5	DMA & Enums	Regular
12th March	Thursday	C	5	Bitwise Operators	Regular

Date	Day	Subject	Mod	Topic	Type
13th March	Friday	**EXAM**	–	**FINAL PYTHON EXAM**	**FINAL**
14th March	Saturday	**EXAM**	–	**FINAL C EXAM**	**FINAL**

2 Detailed Weekly Breakdown

Week 1: Foundations (Feb 6 – Feb 7)

- **Focus:** Launching the Python curriculum.
- **Classes:**
  - Friday (6th): Introduction to Python.
  - Saturday (7th): Variables, Data Types, Operators.

Week 2: C Transition & Python Core (Feb 9 – Feb 13)

- **Focus:** Starting C basics and moving to Python Control Flow.
- **Key Event:** **Feb 10: Basic-Core Python Transition Exam**.
- **Priority Session:** Feb 13 (Fri) - Python Control Flow.

Week 3: Data Structures & Functions (Feb 16 – Feb 20)

- **Focus:** Heavy concept week (Data Structures, Functions).
- **Key Event:** **Feb 17: Basic-Core C Transition Exam**.
- **Priority Sessions:**
  - Feb 16 (Mon): Python Data Structures.
  - Feb 18 (Wed): Python Functions.

Week 4: Advanced C Logic & Transition (Feb 23 – Feb 27)

- **Focus:** C Loops, Python Exams, and Modular C programming.
- **Key Event:** **Feb 24: Core-Advanced Python Transition Exam**.
- **Priority Session:** Feb 23 (Mon) - C Looping & Jump Statements.

Week 5: Arrays, Pointers & OOP (Mar 2 – Mar 6)

- **Focus:** Memory management in C and Object-Oriented Programming in Python.
- **Priority Session:** Mar 2 (Mon) - C Arrays.

Week 6: Final Modules & Assessments (Mar 9 – Mar 14)

- **Focus:** Completing syllabus and Final Exams.
- **Key Events:**
  - **Mar 10: Core-Advanced C Transition Exam**
  - **Mar 13: FINAL PYTHON EXAM**
  - **Mar 14: FINAL C EXAM**

3 Exams & Assessments Plan

The following examinations are mandatory for course progression.

1. **BASIC-CORE PYTHON TRANSITION EXAM**
   Date: 10th February, Tuesday
2. **BASIC-CORE C TRANSITION EXAM**
   Date: 17th February, Tuesday
3. **CORE-ADVANCED PYTHON TRANSITION EXAM**
   Date: 24th February, Tuesday
4. **CORE-ADVANCED C TRANSITION EXAM**
   Date: 10th March, Tuesday
5. **FINAL PYTHON EXAM**
   Date: 13th March, Friday
6. **FINAL C EXAM**
   Date: 14th March, Saturday

Important Academic Notes

- **Priority Classes:** These sessions cover critical logic-building or memory-management concepts. They are scheduled for **1–2 hours** to ensure depth of coverage. Attendance is strictly mandatory.
- **Regular Classes:** Standard duration is **1 hour**.
- **Extended Sessions:** If specific topics (like Pointers or Recursion) require more time, sessions may be extended with prior notice.
- **Preparation:** Students are expected to revise the previous module before attending Exam sessions.

Document for Academic Purposes – D Charan Jeet