

Lesson Plan Format
18 weeks (From January 2018 to April 2018)

Name of Assistant / Associate Professor
Class and Section
Subject

Aarti
B.Sc. 1st year
Computer programming
& SAD

Week 1 (January 1-6)

Chapter 1

01/01/2018 Basic concepts of programming, technique of problem solving, flowcharting, Concept of Structured program - Top-down, Development of efficient program: Program correctness, debugging, Algorithm for Searching, Sorting, Merging of sorted list
02/01/2018
03/01/2018
04/01/2018
05/01/2018 - Revision -
06/01/2018 - Revision -

Week 2 (January 8-13)

Chapter

08/01/2018 Overview of C, History of C
09/01/2018 Importance of C, Structure of C program
10/01/2018 Elements of C, character set, identifiers & keywords.
11/01/2018 Data type: declaration and definition
12/01/2018 Operators: Arithmetic, relational, logical
13/01/2018 Bitwise, unary, assignment

Week 3 (January 15-20)

Chapter

15/01/2018 Conditional operators and their hierarchy
16/01/2018 Associativity
17/01/2018 If statements
18/01/2018 Arithmetic expressions
19/01/2018 Evaluation of Arithmetic Expression
19/01/2018 - Continued -
20/01/2018 Type Casting

Week 4 (January 22-27)

Chapter

22/01/2018 — HOLIDAY —
23/01/2018 Type Conversion
24/01/2018 - Revision -
25/01/2018 - Revision -
26/01/2018 — HOLIDAY —

27/01/2018 Revision

Week 5 (January 29 - Feb 3)

Chapter

29/01/2018 Decision Making & Branching

30/01/2018 Decision making with if statement

31/01/2018 if else statement, nested if

01/02/2018 else if ladder,

02/02/2018 switch statement

03/02/2018 goto statement

Week 6 (Feb 5-10)

Chapter

05/02/2018 Decision making & looping

06/02/2018 for

07/02/2018 while

08/02/2018 do while loop

09/02/2018 jumps in loop

10/02/2018 break, continue

Week 7 (Feb 12-17)

Chapter

12/02/2017 function: Definition prototype

13/02/2017 passing parameters

14/02/2017 Recursion

15/02/2017 - Revision -

16/02/2017 - Revision -

17/02/2017 - Revision -

Week 8 (Feb 19-24)

Chapter

19/02/2018 Pointers

20/02/2018 Declaration of pointers

21/02/2018 operations on pointers

22/02/2018 pointer to arrays

23/02/2018 Data Structure

24/02/2018 Arrays

Week 9 (Feb 26-March 03)

Chapter

26/02/2018 one dimensional Array

27/02/2018 multidimensional Array

28/02/2018 pointers and arrays

01/03/2018 strings

02/03/2018 String Constants, output, string functions, structures
03/03/2018 union, file handling -

Week 10 (March 5-10)

Chapter

05/03/2018 Introduction to system, definition, characteristics, Elements
06/03/2018 Types of system, ADLC, Role of system analyst

07/03/2018 Analyst/user Interface, System planning - initial investigation
08/03/2018 Bases for planning, source of project requests

09/03/2018 fact finding, Informatics, Gathering
10/03/2018 Information gathering tools

Week 11 (March 12-17)

Chapter

12/03/2018 Structured Analysis, System design

13/03/2018 objective, Logical design

14/03/2018 Physical design, Tools, DFD

15/03/2018 Data dictionary, flowcharts

16/03/2018 Spontaneous charts, decision tree

17/03/2018 decision table, Structured English

Week 12 (March 19-24)

Chapter

19/03/2018 Pro and cons of each tool, Feasibility Study

20/03/2018 Introduction, objective types,

21/03/2018 Steps in feasibility Analysis

22/03/2018 Feasibility report

23/03/2018 Oral presentation, Cost-Benefit Analysis

24/03/2018 Identification

Week 13 (March 26-31)

Chapter

26/03/2018 classification of Cost-Benefit

27/03/2018 methods of determining costs

28/03/2018 and Benefits

29/03/2018 Interpret results of analysis

30/03/2018 take final action

31/03/2018 Revision -

Week 14 (April 02-07)

Chapter

02/04/2018 System design

03/04/2018 Objectives, Logical Design

04/04/2018 Physical design, Methodologies

05/04/2018	Structural design, form driven methodology,
06/04/2018	Structured walkthrough, A/O and form design
07/04/2018	Input design, objectives
Week 15 (April 09-14)	
Chapter	
09/04/2018	Output design, objectives of output design
10/04/2018	Form design
11/04/2018	classification of forms
12/04/2018	requirements of form design
13/04/2018	Types of form
14/04/2018	Layout Considerations, form
Week 16 (April 16-21)	
Chapter	
16/04/2018	control
17/04/2018	System testing
18/04/2018	Introduction objectives
19/04/2018	Test plan, testing techniques
20/04/2018	Types of system tests
21/04/2018	Quality assurance
Week 17 (April 23-28)	
Chapter	
23/04/2017	Goals in System lifecycle,
24/04/2017	System implementation
25/04/2017	process of implementation
26/04/2017	System evaluation
27/04/2017	System maintainence and its types
28/04/2018	System documentation, forms of documentation
Week 18 (April 29-30)	
Chapter	
30/04/2018	- Revision -