

College of IT and Management Education

Lesson Plan

Sub : OBJECT ORIENTED ANALYSIS AND DESIGN WITH UML (MCC 502)

Branch : MCA

Semester : 5th Semester MCA (July-Dec, 2016)

Name of the Faculty : Nihar Ranjan Sabat

Total Credit Point: 3

Total Number of Classes: 40

Sl. No.	TOPIC PLANNED	SESSION
	MODULE-I	15 Hours
1	Object orientation	1
2	Object oriented development	1
3	Modeling as a design technique	1
4	Class Modeling	1
5	Class Modeling	1
6	Advanced class modeling	1
7	Advanced class modeling	1
8	State Modeling	1
9	Advanced State Modeling	1
10	Advanced State Modeling	1
11	Interaction Modeling	1
12	Interaction Modeling	1
13	Advanced Interaction Modeling	1
14	Advanced Interaction Modeling	1
15	Advanced Interaction Modeling	1
	MODULE-II	13 Hours
16	Process overview	1
17	Process overview	1
18	System Conception	1
19	System Conception	1
20	System Conception	1
21	Domain Analysis	1
22	Domain Analysis	1
23	System Design	1
24	System Design	1
25	System Design	1

26	Class design	1
27	Class design	1
28	Class design	1
	MODULE-III	12 Hours
34	Implementation Modeling	1
35	Implementation Modeling	1
36	Implementation Modeling	1
37	Object Oriented (OO) Languages	1
38	Object Oriented (OO) Languages	1
39	Object Oriented (OO) Languages	1
40	Databases	1
41	Databases	1
42	Databases	1
43	Programming Style	1
44	Programming Style	1
45	Programming Style	1

Text Books:

1. Michael R. Blaha and James R Rumbaugh, "*Object-Oriented Modeling and Design with UML*", Second Edition, 2005, Pearson Education, Inc. New Delhi. Chapters: 1 to 8, 10, 11, 12, 14, 15, 17, 18, 19, 20.
2. Mark Priestley, "*Practical Object-Oriented Design with UML*", Second Edition, 2006, McGraw-Hill Education, India. New Delhi.

Reference Books:

1. Grady Booch, "*Object-Oriented Analysis and Design with Applications*", Third Edition, 2007, Pearson Education, Inc. New Delhi.
2. Craig Larman, "*Applying UML and Patterns: An Introduction to Object-Oriented Analysis and Design and Iterative Development*", Third Edition, 2005, Pearson Education, Inc. New Delhi.
3. Mike O'Docherty, "*Object Oriented Analysis and Design: Understanding System Development with UML 2.0*", 2005, Wiley India Pvt. Ltd., New Delhi.
4. John W. Satzinger, Robert B. Jackson, Stephen D. Burd, "*Object-Oriented Analysis and Design with the Unified Process*", 2006, CENGAGE Learning India Pvt. Ltd., New Delhi.
5. James Rumbaugh, Grady Booch, Ivar Jacobson, "*The Unified Modeling Language Reference Manual*", 2nd Edition, 2004, Pearson Education, Inc. New Delhi.

NR Sobod
Faculty

Rajesh
Course Coordinator

[Signature]
Principal