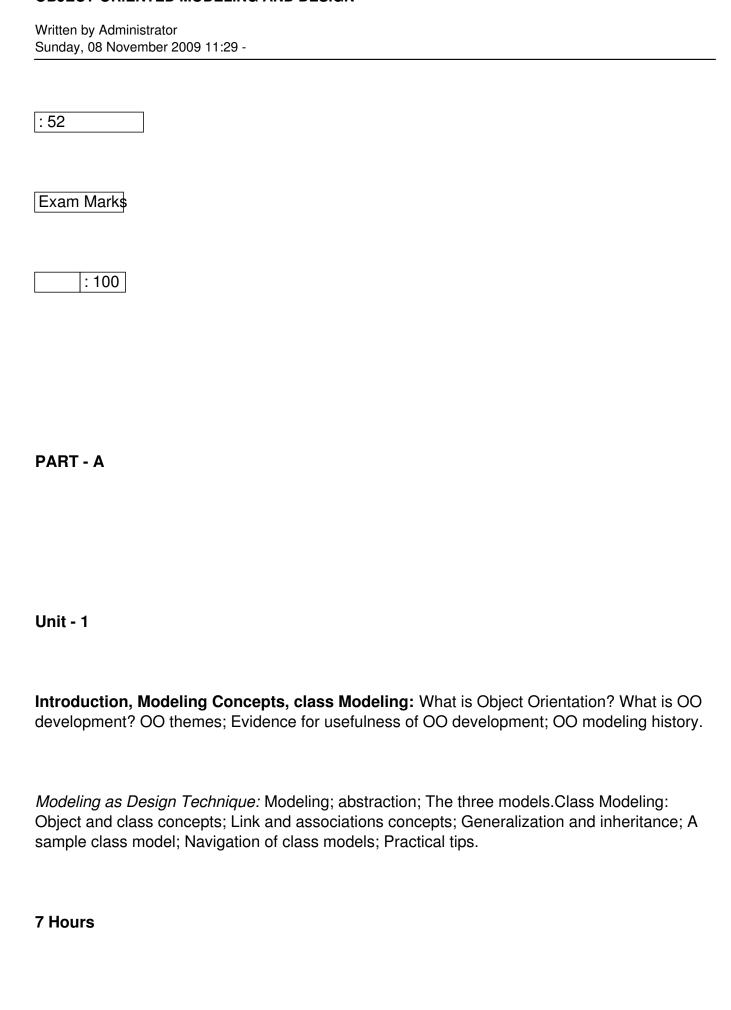
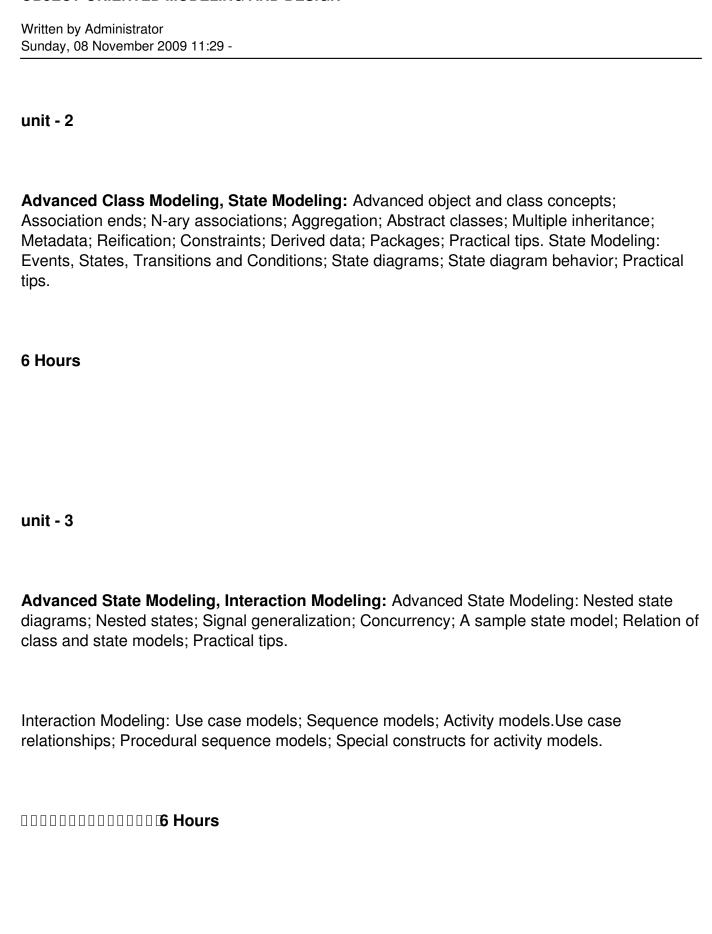
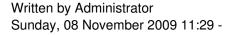
Written by Administrator Sunday, 08 November 2009 11:29 -
Subject Code
: 06CS71
IA Marks
: 25
No. of Lecture Hours/Week
: 04
Exam Hours
: 03
Total No. of Lecture Hours



unit - 4





Process Overview, System Conception, Domain Analysis: Process Overview: Development stages; Development life cycle.

System Conception: Devising a system concept; Elaborating a concept; Preparing a problem statement.

Domain Analysis: Overview of analysis; Domain class model; Domain state model; Domain interaction model; Iterating the analysis.

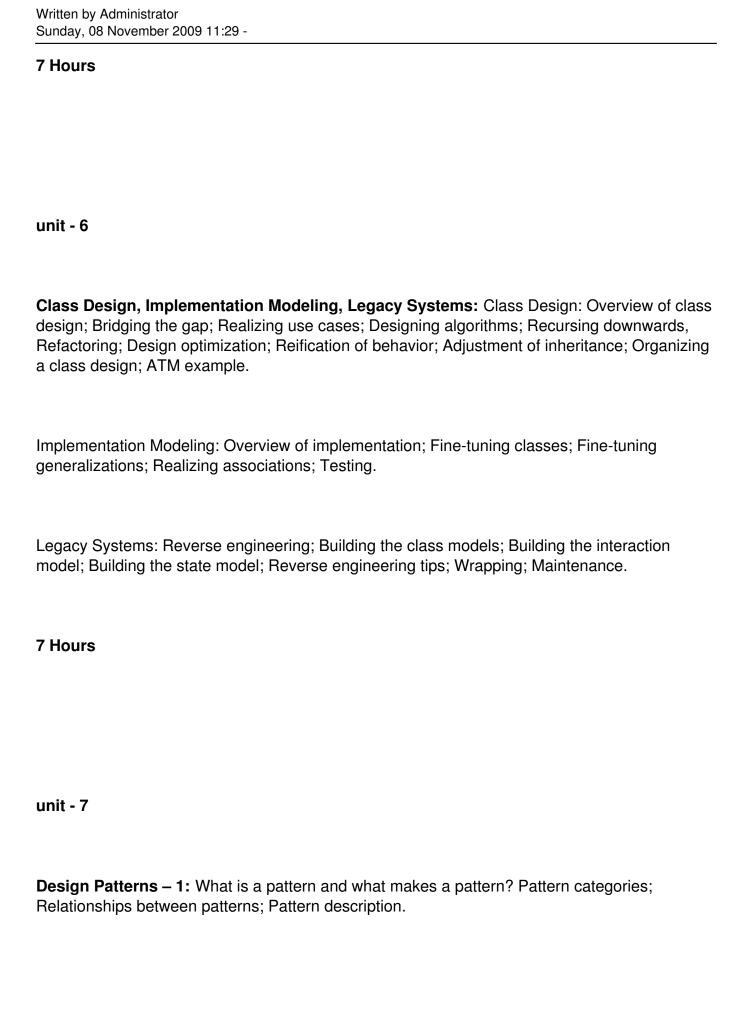
7 Hours

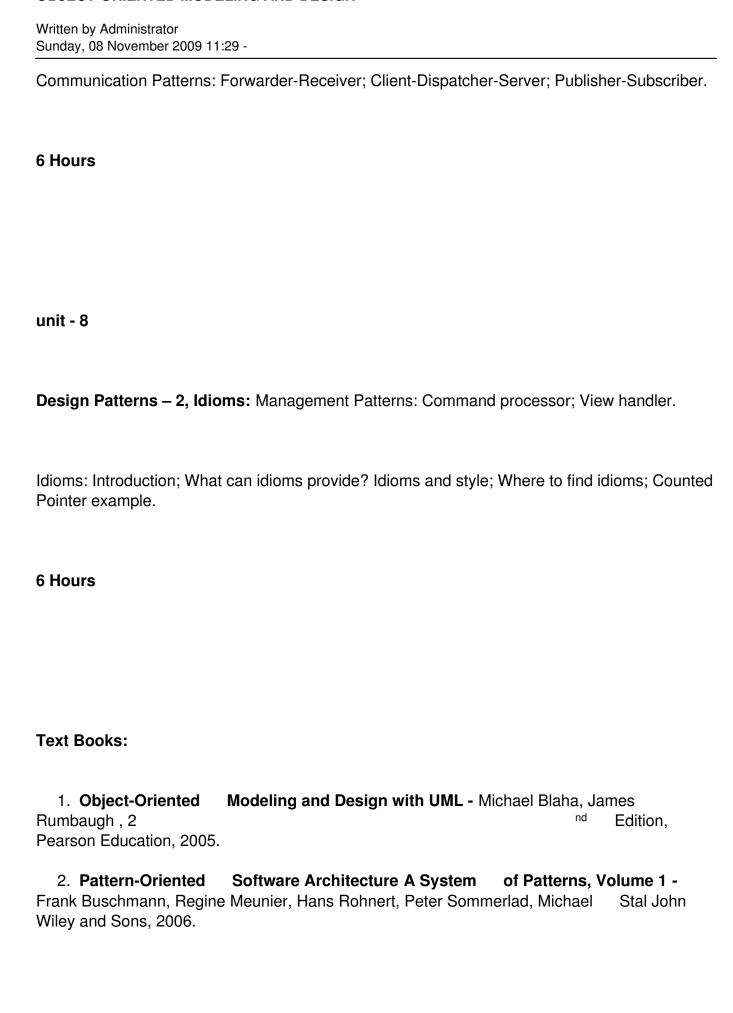
PART - B

Unit - 5

Application Analysis, System Design: Application Analysis: Application interaction model; Application class model; Application state model; Adding operations.

Overview of system design; Estimating performance; Making a reuse plan; Breaking a system in to sub-systems; Identifying concurrency; Allocation of sub-systems; Management of data storage; Handling global resources; Choosing a software control strategy; Handling boundary conditions; Setting the trade-off priorities; Common architectural styles; Architecture of the ATM system as the example.





Written by Administrator Sunday, 08 November 2009 11:29 -

Reference Books:

- 1. **Object-Oriented** Analysis and Design with Applications Grady Booch et al, 3rd Edition, Pearson, 2007.
- 2. **Practical Object-Oriented Design with UML -** Mark Priestley, 2nd Edition, Tata McGraw-Hill, 2003.
- 3. **Object-Oriented Design with UML and JAVA -** K. Barclay, J. Savage, Elsevier, 2008.
- 4. **The Unified Modeling Language User Guide -** Booch, G., Rumbaugh, J., and Jacobson, I, 2

 nd Edition, Pearson, 2005.
 - 5. **Design** Patterns- Elements of Reusable Object-Oriented Software E. Gamma, R. Helm, R. Johnson, J. Vlissides, Addison-Wesley, 1995.
- 6. **Object-Oriented Systems Analysis and Design Using UML** Simon Bennett, Steve McRobb and Ray Farmer, 2 nd

Edition, Tata McGraw-Hill, 2002.