OBJECT-ORIENTED PROGRAMMING

Course Number 20-260-635-901

University of Cincinnati
Department of Electrical and Computer Engineering
Cincinnati, Ohio

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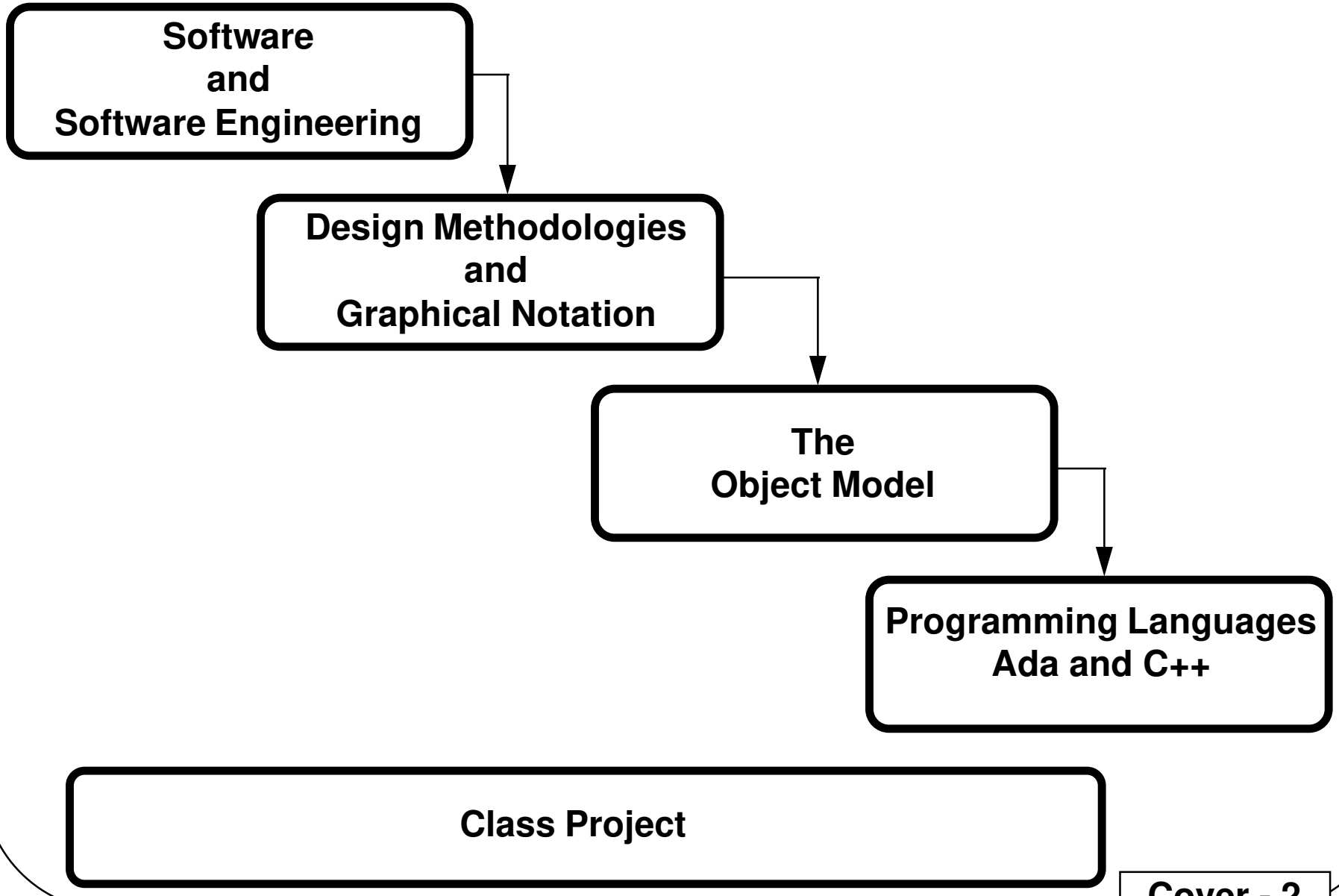
Course Prepared by Richard Conn

COURSE ROADMAP



COURSE SCHEDULE

Module	*Title*	*Dates*
1	Software and Software Engineering	Apr 4
2	Design Methodologies and Graphical Notation	Apr 4, 11
3	The Object Model	Apr 18, 25, May 2
	Midterm Exam	May 2
4	Object-Based Programming Languages - Ada	May 9, 16
5	Object-Oriented Programming Languages - C++	May 23, 30, Jun 6
	Project Review and Evaluation	Jun 13

All Classes are in Baldwin 862, 9:20-12:00AM, Saturdays

PROJECT SCHEDULE

Phase	*Date*
Project Team Selection, Analysis Begins	Apr 4
Project Analysis Complete (2 weeks)	Apr 18 ✓
Project Design Complete (2 weeks)	May 2 ✓
Project Prototype (2 weeks)	May 16 ✓
Prototype Analysis (1 week)	May 23 ✓
Revised Design Complete (1 week)	May 30
Final Code with Demonstration (2 weeks)	Jun 13 ✓

IV&V Reports are due for each graded activity
Checkmarks (✓) indicate graded activities

COURSE MATERIALS

- ☆ **Course Notes**
  - ✓ **Cover -- Roadmap, Schedule, Materials List, Grading**
  - ✓ **Lesson Plan and Student Workbook**
  - ✓ **Project Templates: SDP, SRS, SDD, SUM, IV&V Report**
  - ✓ **Workbook on Ada Programming**
  - ✓ **Workbook on C++ Programming**
  - ✓ **Lecture Notes**

☆ **Text: Grady Booch, *Object-Oriented Design with Applications*, Benjamin/Cummings Publishing Company, 1991, ISBN 0-8053-0091-0**

GRADING

Point Totals	
A=90-100, B=80-89, etc.	
Midterm Exam	40
Subprojects	50
IV&V Reports	10
Total	100
Total Possible	125

- ☆ Class Attendance
  - ✓ 75% Required to Pass Course (negotiable)
- ☆ Homework Assignments
  - ✓ 1 Midterm Exam, 40 Points
- ☆ Project
  - ✓ 5 Subprojects and IV&V Reports
  - ✓ Four Grades (NA=0, SA=5, A=10, E=15 points):

    Not Acceptable (NA) - Subproject Does Not Meet Minimum Quality Level

    Susceptable to Being Made Acceptable (SA) - Subproject Could be Improved

    Acceptable (A) - Subproject is Satisfactory

    Exceptional (E) - Subproject is Above and Beyond the Call
- ☆ Late Homework Assignments and Subprojects: -10% per class