

**Object-Oriented
Programming**

OBJECT- ORIENTED PROGRAMMING

**Course Number 20-260-
635-901**

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

**March,
1992**

**Course Prepared by Richard
Conn**

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**Object-Oriented
Programming**

COURSE ROADMAP

**Software
and
Software
Engineering**

**Design
Methodologies
and
Graphical Notation**

**The
Object
Model**

**Programming
Languages
Ada and C++**

**Class
Project**

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COURSE SCHEDULE

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

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

PROJECT SCHEDULE

<i>Phase</i>	<i>Date</i>
Project Team Selection, Analysis Begins	Apr 4
Project Analysis Complete (2 weeks)	Apr 18 3
Project Design Complete (2 weeks)	May 2 3
Project Prototype (2 weeks)	May 16
3 Prototype Analysis (1 week)	May 23
3 Revised Design Complete (1 week)	May 30
Final Code with Demonstration (2 weeks)	Jun 13 3

**IV&V Reports are due for each graded activity
checkmarks (3) indicate graded activities**

COURSE MATERIALS

- K Course Notes**
 - 3 Cover -- Roadmap, Schedule, Materials List, Grading**
 - 3 Lesson Plan and Student Workbook**
 - 3 Project Templates: SDP, SRS, SDD, SUM, IV&V Report**
 - 3 Workbook on Ada Programming**
 - 3 Workbook on C++ Programming**
 - 3 Lecture Notes**
 - K Text: Grady Booch, *Object-Oriented Design with Applications*, Benjamin/Cummings Publishing Company, 1991, ISBN 0-8053-0091-0**
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GRADIN

- K Class Attendance**
- 3 75% Required to Pass Course (negotiable)**
- K Homework Assignments**
- 3 1 Midterm Exam, 40 Points**
- K Project**
- 3 5 Subprojects and IV&V Reports**
- 3 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**
- K Late Homework Assignments and Subprojects: -10% per class**

Point Totals

A=90-100, B=80-89, etc.

Midterm Exam 40

Subprojects 50

IV&V Reports 10

Total 100

Total Possible 125

- Subproject Could