

*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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**THESE COURSE NOTES OWNED BY**

**Student Name:**

**Phone:**

**Electronic Mail Address:**

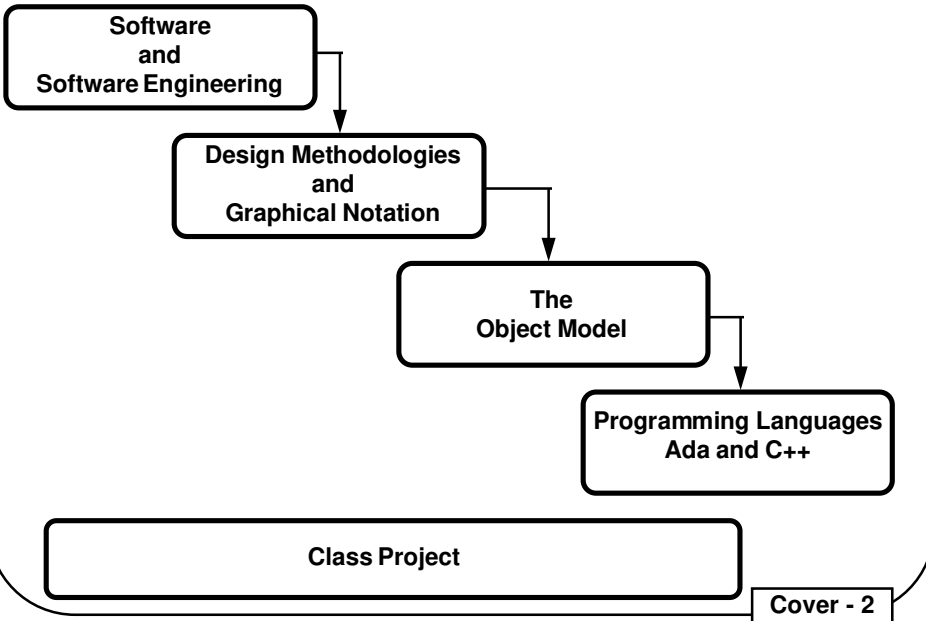
**INSTRUCTOR**

**Instructor Name: Richard Conn**

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# COURSE ROADMAP



## COURSE SCHEDULE

<i>Module</i>	<i>Title</i>	<i>Dates</i>
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
	<i>Midterm Exam</i>	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**

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

**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

- ★ **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):

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

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**