

Computer Science 141  
(CS 8914102)  
  
Spring 1992  
  
**Programming and Data Structures**

*Instructor*

Craig A. Rich  
Office: Bldg. 8, Room 40  
Office Hours: Mon,Wed,Fri 10–11; Tue 10–12  
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*Lecture Meetings*

Time: Mon,Wed,Fri 11:45–12:50  
Place: Bldg. 8, Room 348

*Course Grading*

Exams . . . . .	60%
Midterm (Fri May 1) . . . . .	25%
Final (Fri June 12, 11:30–1:30) . . . . .	35%
Programming Assignments . . . . .	25%
Homework and Quizzes . . . . .	15%

Graded assignments will be accepted without penalty at any time on or before their due date. Graded assignments which are submitted after their due date will have their score reduced by  $5(n + 1)\%$ , where  $n$  is the number of school days between the due date and the date submitted.

The course will cover several abstract data types—set, list, stack, queue, tree, graph—as well as their various implementations and applications. We will also cover features of the programming language Ada which are well-suited for implementing abstract data types—packages, separation of specification and body, genericity, private types, attributes, exceptions. The programming assignments will be written in Ada, and computer accounts on the Cal Poly Academic Vax cluster will be provided.