- **Course:** Abstract Data Types
- **Time & Place:** Tuesday and Thursday 2:00pm-3:45pm, ClassroomUnit 001
- **Discussion Sections:**
  - Monday 5:00pm-6:10pm, E2-192
  - Tuesday 6:00pm-7:10pm, E2-194
- **Instructor:** Dean Bailey; office: E2 249B; phone: 831-459-1339, e-mail: dbailey@soe.ucsc.edu
- **Teaching Assistant:** Teale Fristoe, e-mail: fristoe@ucsc.edu
- **Office Hours:**
  - Bailey: Monday and Friday, 2:00pm-4:00pm, E2 249B.
  - Fristoe: tbd
- **Prerequisites:** course 12B or 13H; CMPE 16 or 16H; MATH 19B; and one course from the following: MATH 21, 22, 23A, or AMS 10. Enrollment restricted to School of Engineering and mathematics majors and computer science and computer engineering minors.
- **Textbook:** *Introduction to Algorithms, 2nd Edition*, by Thomas H. Cormen, Charles E. Leiserson, Ronald L. Rivest and Clifford Stein.
- **Syllabus:** The following is a tentative syllabus for the course:

  Introduction
  Algorithm Design
  Analysis
  Asymptotic Notation
  ADT Concept
  ADT Implementation
  Elementary Data Structures
  Sorting
  Searching
  Basic Graph Structures and Algorithms

- **Evaluation:** The course work will be weighted as follows:

Final Examination	35%
One Midterm Examination	25%
Four in-class Quizzes	20%
Program Assignments	20%
Homework Assignments	P/F

  N.B. Passing grades in **all** five parts are required to pass the course.

- **Examination and Quiz Schedule:**

  1. Final Examination, Thursday, December 11, 4:00pm-7:00pm
  2. Midterm Examination on Thursday, October 30
  3. Quizzes:
     - Quiz 1: Thursday, October 9
     - Quiz 2: Thursday, October 23
     - Quiz 3: Thursday, November 13
     - Quiz 4: Thursday, November 27

     The examination and quiz schedule is fixed. In particular, requests for changes in the schedule will not be accommodated; if you have conflicts with this schedule, please do not enroll in the class. Also, *no* time extension will be given for late arrivals on quiz day or examination day.

- **Academic Integrity:** No form of academic dishonesty will be tolerated. Incidents of academic dishonesty will be reported according to UCSC's policy on academic integrity, the full text of which can be found at `http://oasas.ucsc.edu/avcue/integrity`. Specifically for this class, if you are caught turning in work as your own, that is not solely your own, or assisting others in doing so, a formal written report will be sent to your Department, the School of Engineering, and to your Provost and academic preceptor. Furthermore you will get a failing grade for the course and the incident will be noted in your evaluation.

- **Miscellanea**

  - All homework assignments are to be handed in at the beginning of Class on due date.
  - Solutions to homework problems will be presented in the discussion sections or class. They will not be posted.
  - We will provide solutions to the problems in the quizzes and in the midterm examination, after the grading has been completed.
  - We will *not* distribute or post "sample" examination problems or "sample" quiz problems.