☐ **1.COURSE INFORMATION:**

  ☐ **Quarter-Year:** Winter 2015

  ☐ **Name:** Data Abstraction and Structures

  ☐ **Course-Section-CRN:** CIS 22C - 02Y - 33380

  ☐ **Days and Time:** MW (3:30 pm – 5:20 pm)

☐ **2. COURSE REQUIREMENTS:**

  ☐ **Prerequisites:** CIS 22B or equivalent

  ☐ **Course Description:** Application of software engineering techniques to the design and development of large programs; data abstraction and structures and associated algorithms: stacks, queues, linked lists, trees, graphs, and hash tables; internal and external sorting; use of recursion; team project.

  ☐ **Textbook:** Frank M. Carrano, "Data Abstraction & Problem Solving with C++", sixth edition, Walls and Mirrors

  ☐ **Student Learning Outcomes:**
  1) Read, analyze and explain advanced data structures programs.
  2) Student Learning Outcome: Design solutions for advanced problems using appropriate design methodology incorporating advanced data structures programming constructs.
  3) Create and analyze efficiency of advanced level data structures algorithms, code, document, debug, and test advanced data structures programs using multiple source and header files.

☐ **3. INSTRUCTOR INFORMATION:**

  ☐ **Name:** Mounjed Moussalem

  ☐ **District email:** moussalemmounjed@fhda.edu

☐ **4. ATTENDANCE REQUIREMENTS**

Attendance is mandatory. The exams are based on class lectures and the techniques you have used on the related programming assignments, so any absence is a disadvantage. Please refer to the syllabus for further details.

☐ **5. GRADING CRITERIA**

Exams (75%):	Exam 1 at the end of the 4th week (25%)
	Exam 2 at the end of the 8th week (25%)
	Exam 3 at the end of the Quarter (25%)
	Wednesday, March 25 at 1:45 p.m. – 3:45 p.m.
Assignments (25%):	3 Programming Assignments (3x5% = 15%)
	Final Programming Project: Team Project (10%)

☐ **Important Dates**:

For a complete reference of all withdrawal dates and deadlines, refer to the De Anza College registration page at the college web site here:

  http://www.deanza.edu/calendar/winterdates.html

To continue in this class, you must participate weekly in all areas: assignments, exams and discussion.