This course examines the common types of storage structures and file organizations which are used in modern computing devices. We will examine the fundamental file system structures of the common operating systems UNIX and Windows, and database systems.

Instructor: Owen Murphy, JB 345, (909) 537-5408.
Office Hours: MW 12:00-2:00 pm.   CSe 350
Web Site: http://cse.csusb.edu/murphy/csci350/
Textbook: *File Structures* by Folk, Zoellick and Riccardi.

Tentative Course Outline:
Week 1 :   Simple File Operations. Chapters 1 and 2.
Week 2 :   Secondary Storage Devices and File Organizations. Chapters 3 and 4.
Week 3 :   Database and Record Management. Chapter 5.
Week 4 :   Organizing Files for Performance. Chapter 6.
Week 5 :   Review and Midterm Examination.
Week 6 :   Indexing and B-trees. Chapters 7 and 9.
Week 7 :   B+-trees. Chapter 10.
Week 8 :   Hashing. Chapter 11.
Week 9 :   Sorting and Merging. Chapter 8.
Week 10 : Review.

Grading Scheme:
90 % and above : A.
80 - 89 % : B or better.
70 - 79 % : C or better.
60 - 69 % : D or better.
If the median of the class grades is below 80%, all grades will be scaled equally to bring the median to 80%.

Assignments:
1. Project Assignments (4) (40%).
2. Midterm Examination (30%).
3. Final Examination (30%).

Policies :
1. Students are expected to treat each other with respect. Any activity that disrupts or interferes with another student's learning experience is a violation of this policy. There is a zero-tolerance policy for socializing during lectures.
2. Any work that you submit for a grade is accepted under the presumption that it is your work. Cheating, plagiarism or any other misrepresentation of someone else's work as your own will result in a grade of F for the course.
3. There are no makeup examinations except if prior arrangements are made or for cases where extenuating circumstances prevent attendance. The instructor reserves the right to decide if a make-up examination will be given.

NOTE:
If you are in need of an accommodation for a disability in order to participate in this class, please inform the instructor and also contact Services to Students with Disabilities at UH-183, (909) 537-5238.