Course Objective
The course will give an overview over a wide number of results in scheduling. At the same time, it will introduce fundamental ideas and tools in combinatorial optimization.

Course Page
http://www.cs.unlv.edu/~bein/teaching/scheduling/

Textbook

Professor
Dr. Wolfgang W. Bein
Phone: (702) 895-1477
Internet: bein@cs.unlv.edu, http://www.cs.unlv.edu/~bein/
Office: TBE B 372-E, Office Hours: Monday, 6:00 pm - 8 pm; Tuesday 3:45 pm - 5:45 pm, Thursday 11:15 am - 1:15 pm.

Examinations and Assignments
A number of problem sets. (40%) three in-class tests (60%). (Two midterm tests totaling 35% and one final examination 25%.)
Midterms: Thursday, February 18, 2:30 pm;
Thursday, March 25, 2:30 pm;
Final Exam: Tuesday May 4, 3:10 pm (cumulative, covers all material).

Topics
Review of common Scheduling Problems
Basic Tools in Combinatorial Optimization
Easy One Machine Problems
\( P \) vs. \( \mathcal{NP} \)
Hard One Machine Problems
Parallel Machines
Open Shop, Flow Shop, Job Shop
Batching
The Resource Constrained Project Scheduling Problem
Approximation Schemes
On-Line Scheduling

Summary of Selected UNLV Policies:

Students Needing Assistance Due To Documented Disability: Learning Enhancement Services (LES) houses Disability Services, Tutoring Services, and Learning Strategies. If you have a documented disability that may require assistance, you will need to contact LES for coordination in your academic accommodations. LES is located in the Reynolds Student Services Complex, Suite 137. The phone number is 895-0866 or TDD 702-895-0852. You may also visit our website at: http://www.unlv.edu/studentlife/les.

UNLV Policy on Copyright: The University requires student to familiarize themselves and to follow copyright and fair use laws; see http://www.unlv.edu/committees/copyright.

UNLV Policy on Religious Holidays: Students must notify the professor of anticipated absences due to religious observances by the last day of late registration, 1/27/03, to arrange the opportunity to make up missed work.

UNLV Policy on Official (UNLV) Extracurricular Activity: Students who represent UNLV at any official extracurricular activity must provide official written notification to the instructor no less than one week prior to the missed class(es) to have the opportunity to make up missed work.