When/where: WINTER 2018, M,W 12noon-1:50pm La Kretz Hall Room 110;
Prof: Rafail Ostrovsky;
Office: Egnineering 6, Phase 2, Office 475 (4th floor)
Office hours: Each Wednesday 2-3pm or by appointment.

TA’s:
Chen, Xuelu shirleychen@cs.ucla.edu;
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Description: Introduction to design and analysis of algorithms. Design techniques:
reduction, divide-and-conquer, greedy method, dynamic programming, network
flow; choice of data structures and representations. We will cover complexity
measures including time and space, upper and lower bounds, asymptotic complexity;
NP-completeness, use of randomness. If time permits, I will present advanced topics,
such as PSPACE and other complexity classes.

Prerequisites: CS32, CS61.

Textbook: Algorithm Design by Jon Kleinberg and Eva Tardos, published by
Addison-Wesley.

Grading Policy:

• Homework: 15%. HW will be assigned most weeks on Wednesday, due the
  following Wednesday.

• Midterm 40%. The midterm will be held on February 21st during normal
  lecture hours.

• Final 45%. The final will be held during final exam week. All exams will be
  closed book.