- Instructor: Prof. Shivkumar Chandrasekaran
- Course: Fourier Analysis For Engineers
- Course No.: ECE594D
- Class Web-site: http://www.ece.ucsb.edu/courses/ECE594D/594D_S09Shiv/default.html
- Textbook: Fourier Analysis: An Introduction, Elias M. Stein and Rami Shakarchi (required)
- Recommended textbooks:
 - Fourier Analysis and its Applications, G. B. Folland (good undergraduate textbook)
 - Fourier Analysis, T. W. Körner (good exposition; easy read)
 - Advanced Mathematical Analysis, R. Beals (clean, tight introduction of Fourier series via distribution theory; must read)
 - Fourier Series and Integrals, by H. Dym and H. P. McKean (rigorous with lots of applications)
- Lecture Room: Phelps 1431
- Lecture Hours: Mondays & Wednesdays 10 a.m. 11:50 a.m.
- Office Hours: Tuesdays 2 p.m. 3 p.m.
- My Office: Eng. I, room 3109, x7542
- Prerequisites: Calculus, linear algebra
- Homework: Once a week. See the class web-site.
- Finals: Take home
- Syllabus:
 - Separation of variables solution of PDEs
 - Basic convergence properties of Fourier series
 - Applications of Fourier series
 - Basic properties of Fourier transforms