MA 192B
Mathematics for Engineers
Fall 2002
SYLLABUS
Class web page: http://www.fusion.ucla.edu/youssef/ma192b

MAIN LECTURE:
• Instructor: Mahmoud Youssef.
• Email: youssef@fusion.ucla.edu
• Office: 43-133 Engineering IV
• Class meets:
  • TuThu at 10:00 am-11:50 am in Boelter Hall 5272
• Office Hours (at 43-133 Eng. IV Bldg.):
  • To be announced
  • Also by appointment: e-mail "youssef@fusion.ucla.edu" to get an appointment
• Teaching Assistant: Deepauk Murugesan
• Email: deepauk@grad.seas.ucla.edu
• Office Hours (at 46-128 Eng. IV Bldg.):
  • To be announced

TEXTBOOK:

PERQUISITE:
• MAE192A or equivalent. Familiarity with solving 2nd order ordinary differential equations with constant coefficient for both homogeneous and nonhomogeneous cases. Familiarity with representation of periodic functions with Fourier sine and cosine series

RESERVE MATERIAL:
• Boyce, W. and DiPrima. “Elementary Differential Equations and Boundary Value Problems”
• Spiegle, M. R., “Fourier Analysis with Applications to Boundary value Problems” (Schaum’s Outline Series
• Hildebrand, F.B. “Advanced Calculus for Applications”, 2nd Edition

COVERAGE OF MATERIAL FROM TEXTBOOK:
• Chapter 1, 2, 3, 4.1-4.5, 5.1-5.8, 7.1-7.9, 8.1-8.6, 9.1-9.2, 10.1-10.6.4, and 12.1-12.3

EXAM DATES:
Midterm:
Tuesday, October 29, 20, 10:00-11:50 am in Class

Final exam:
Tuesday, December 10, 02, 3:00 pm-6:00 pm in Class

GRADING POLICY:
• Homework is worth 15% of the grade. Midterm will count 35%. Final examination will count 50%.

HOMEWORK:
• Problem set will be assigned every Thursday and will be due a week later (HW solution will be available by then at Lecture Notes Office-Ackerman.
• Homework is worth 15% of the grade. Midterm will count 35%. Final examination will count 50%.