Applied Linear Operators

APM 570

Instructor:  D. Jones
Time:  
TTh noon-1:15
Location:  ECG 237
Line#:  91488

Topics:

- Bounded linear and compact operators on Hilbert spaces
- Linear integral equations
- Sturm–Liouville eigenvalue problems
- Fredholm and Hilbert–Schmidt theory
- Distributions and Applications
- Approximate methods

Prerequisites: Completion of a course in Applied Analysis is recommended prior to enrollment in this course. A senior-level course in ODEs or PDEs would be beneficial as well.

Grading: Based only on Homework.