

**OFFICIAL SYLLABUS**  
**MATH 567 – Topics in Applied Mathematical Analysis**

***Catalog description.*** Topics from the following areas: Fourier theory and applications; applied functional analysis; asymptotic analysis; perturbation theory; control theory; theory of equilibrium. May be repeated to a maximum of 12 hours provided no topic is repeated. Prerequisites: MATH 421, MATH545, MATH 451 or consent of instructor.