BIOMATHEMATICS SEMINAR 1

Course title
BIOMATHEMATICS SEMINAR 1

Course number
MAP 6487

Schedule, Room
MWF 7, Lit 223

Instructor
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Main themes
PDE Models in Biology (Epidemiology)

Syllabus:
1. Linear age-structured population models.
2. Non-linear age-structured population models.
4. Age-since-infection structured epidemic models.
5. Multi-scale immuno-epidemiological models.

Prerequisites: Modeling in Mathematical Biology.

Requirements:
1. Students will be expected to make presentations. In particular, each student will present a paper of choice.
2. There will be some homework problems assigned which will also be presented in class.
3. Students will be expected to make presentation on their current research projects.

Grading: Grades will be based on (1) Attendance; (2) Participation in class and presentations.