LSA Theme Semester: Mathematical Biology

Organizers: Patrick Nelson and Trace Jackson

Fall 2005 (starting October)
• Monthly Pizza and Learn for math biology students (currently, we have 50 students, grads and undergrads, in two sections of math 463)
  o October 20
  o November 17
  o December 3
• Distinguished Lecture Series
  o Professor John Rinzel (NYU). Evening lecture 11/2/05
  o Minisymposia 11/3/05 on Electro-physiology.
    ▪ Organizers: Victoria Booth and Danny Forger
• Regular seminar speakers
  o Currently we have Lisa Fauci (Tulane) 9/30
  o Zhileng Feng (Purdue) 10/7
  o Hulin Wu (U. Rochester) 10/12
Winter 2006

- **Distinguished Lecture Series**
  - Each month we will have a special evening lecture, open to the public. We did this last year with Professor Steve Strogatz and had 300+ people attend.
  - Each lecture will be followed by a one day minisymposia on the related topics:
    - Ecology and Evolutionary Biology
    - Infectious Diseases
    - Sleep Patterns
    - Cell and Molecular Biology

- **Regular lecture series (bi-weekly and part of AIM seminar series)**
  - mostly people from UM giving presentations.

- **Tutorial on math biology for UM faculty interested in the field**
  - Schedule two Saturdays (with lunch) and provide a tutorial on differential equations useful for biological models. Could open to other universities?

- **Weekly math biology lab meeting**
  - Current math biology group forum to keep people informed of the research they are currently working on. This is open for anyone to attend.
  - Graduate students present updates on their research and get feedback from attending faculty

- **Workshop on Mathematical Biology**
  - 3-4 day workshop in April