

Seminar in Mathematical Biology Syllabus

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Office Hours: by appointment or drop by

Course Number, Section Number, and Course Title: MATH/BIOL 4150 Seminar in Mathematical Biology

Time and Place of Class Meetings:

Friday 11:00- 12:00 pm: Cohort 3 B27 Computer lab, Cohort 4 LS 128

Description of Course Content: A one hour discussion of research in mathematical biology.

Required Textbooks and Other Course Materials: None

Descriptions of major assignments and examinations with due dates: Attendance and participation is required for a passing grade. Students will have to work in groups of two to lead one paper discussion.

Student learning outcomes: to learn about current research at the interface of Math and Biology.

Weekly Schedule – Cohort 2 Life Science B27 Computer lab

Jan 18th - Orientation (all cohorts) in LS 128

Jan 25th – Write ACES abstracts

Feb 1th - Write ACES abstracts/Work on technical report

Feb 6th – ACES abstracts due

Feb 8th – Write **SMB Annual Meeting** abstracts

Feb 15th – Work on technical report

Feb 21st – Ecological Society of America meeting abstracts due. Meeting is Aug 4-9th in Minnesota

Feb 22th - Work on technical report

March 1st - work on ACES talk/poster

March 8th – work on ACES talk/poster

March 15th – Spring Break

March 22nd - Dr. Alicia Prieto-Langarica, Assistant Professor of Mathematics
Youngstown State University, OH

ACES Wednesday March 27th

March 29th – work on technical report

April 5th – work on MAA presentations

April 12th – No Class -2013 MAA Texas Section Meeting, April 11-13, 2013
Texas Tech University, TX
http://www.math.ttu.edu/maa_texas/

April 19th - Dr. Jeremy Brown, Assistant Professor, Dept. of Biological Sciences
Louisiana State University, Research: statistical methods for inferring phylogenies

April 26th – finalize technical report

May 3rd – Dr. Kehinde R. Salau, Mathematical, Computational & Modeling Sciences
Center Arizona State University

Weekly Schedule – Cohort 3 LS 128

Jan 18th - Orientation (all cohorts) in LS 128

Jan 25th – The scientific method/Hypothesis development and testing

Feb 1th - Predator-Prey (bacteria-protist example)

Feb 8th – Predator-Prey (bacteria-protist example)

Feb 15th – Predator-Prey (bacteria-protist example)

Feb 22th – Innate immunity

March 1st - Innate immunity

March 8th – Innate immunity

March 15th – Spring break

March 22nd - Dr. Alicia Prieto-Langarica, Assistant Professor of Mathematics
Youngstown State University, OH

ACES Wednesday March 27th

March 29th – Epidemiology

April 5th – Epidemiology

April 12th - No Class - 2013 MAA Texas Section Meeting, April 11-13, 2013
Texas Tech University, TX
http://www.math.ttu.edu/maa_texas/

April 19th - Dr. Jeremy Brown, Assistant Professor, Dept. of Biological Sciences
Louisiana State University, Research: statistical methods for inferring phylogenies

April 26th – Epidemiology

May 3rd – Dr. Kehinde R. Salau, Mathematical, Computational & Modeling Sciences
Center Arizona State University

Important University Policies

Drop Policy: Students may drop or swap (adding and dropping a class concurrently) classes through self-service in MyMav from the beginning of the registration period through the late registration period. After the late registration period, students must see their academic advisor to drop a class or withdraw. Undeclared students must see an advisor in the University Advising Center. Drops can continue through a point two-thirds of the way through the term or session. It is the student's responsibility to officially withdraw if they do not plan to attend after registering. **Students will not be automatically dropped for non-attendance.** Repayment of certain types of financial aid administered through the University may be required as the result of dropping classes or withdrawing. Contact the Financial Aid Office for more information.

Americans with Disabilities Act: The University of Texas at Arlington is on record as being committed to both the spirit and letter of all federal equal opportunity legislation, including the *Americans with Disabilities Act (ADA)*. All instructors at UT Arlington are required by law to provide "reasonable accommodations" to students with disabilities, so as not to discriminate on the basis of that disability. Any student requiring an accommodation for this course must provide the instructor with official documentation in the form of a letter certified by the staff in the Office for Students with Disabilities, University Hall 102. Only those students who have officially documented a need for an accommodation will have their request honored. Information regarding diagnostic criteria and policies for obtaining disability-based academic accommodations can be found at www.uta.edu/disability or by calling the Office for Students with Disabilities at (817) 272-3364.

Academic Integrity: It is the philosophy of The University of Texas at Arlington that academic dishonesty is a completely unacceptable mode of conduct and will not be tolerated in any form. All persons involved in academic dishonesty will be disciplined in accordance with University regulations and procedures. Discipline may include suspension or expulsion from the University. According to the UT System Regents' Rule 50101, §2.2, "Scholastic dishonesty includes but is not limited to cheating, plagiarism, collusion, the submission for credit of any work or materials that are attributable in whole or in part to another person, taking an examination for another person, any act designed to give unfair advantage to a student or the attempt to commit such acts."

Student Support Services Available: The University of Texas at Arlington provides a variety of resources and programs designed to help students develop academic skills, deal with personal situations, and better understand concepts and information related to their courses. These resources include tutoring, major-based learning centers, developmental education, advising and mentoring, personal counseling, and federally funded programs. For individualized referrals to resources for any reason, students may contact the Maverick Resource Hotline at 817-272-6107 or visit www.uta.edu/resources for more information.

Electronic Communication Policy: The University of Texas at Arlington has adopted the University "MavMail" address as the sole official means of communication with students. MavMail is used to remind students of important deadlines, advertise events and activities, and permit the University to conduct official transactions exclusively by electronic means. For example, important information concerning registration, financial aid, payment of bills, and graduation are now sent to students through the MavMail system. All students are assigned a MavMail account. ***Students are responsible for checking their MavMail regularly.*** Information about activating and using MavMail is available at <http://www.uta.edu/oit/email/>. There is no additional charge to students for using this account, and it remains active even after they graduate from UT Arlington. To obtain your NetID or for login assistance, visit <https://webapps.uta.edu/oit/selfservice/>. If you are unable to resolve your issue from the Self-Service website, contact the Helpdesk at helpdesk@uta.edu.