Fall 2017 MATH 131

General information for Tamás Darvas' students

Instructor: Tamás Darvas

Course Website: `www.math.umd.edu/~tdarvas` and select Teaching in the menu.

Email: `tdarvas@math.umd.edu` // Be sure to include "MATH 131" in the subject line.

Classes: TuTh 9:30 AM - 10:45 AM (in ARM 0135)

Office hours: TuTh 11 AM - 12 PM (in my office MTH 4416), and by appointment. In addition, if you have questions, you can visit any TAs office hours. See the course website for information on hours and location.

Syllabus: Continuation of MATH 130, including an introduction to differential equations, linear systems and linear algebra, multivariable calculus, probability (including conditional probability and the normal and binomial distributions). Alongside the mathematical concepts there will be applications in biology.

Prerequisites: good command of the basic rules of calculus, i.e., the content of MATH 130.

Textbook: J. Stewart, T. Day: Biocalculus: Calculus, Probability, and Statistics for the Life Sciences, ISBN: 9781305607866. Since the class has no online component a used copy of the textbook is perfectly fine.

Assignments: Lecture quizzes (5%), mathematics recitation quizzes (15%), biology group worksheets (10%), three in-class midterms (3 x 15%) and a comprehensive final exam (25%). At the end of the semester your 3 lowest quiz scores will be dropped from each category.

Lecture quizzes: Starting the second week, I will administer 5 minute quizzes at the end of lectures, on average once a week. You will provide your answer using TurningPoint responsware. Please install the TurningPoint app on your smartphone/tablet/computer so you can submit your answer (we will not use 'clickers'). The app is freely available for all students of the University. You can find detailed instructions can be found at https://www.math.umd.edu/ tdarvas/items/Fall2017/Clicker.pdf.

Homework: your written homework will not be graded, however it is the most important component of the course. Without doing all the homework assigned (see course website) you will do poorly on the quizzes/worksheets/midterms, and you will likely fall behind. Try to do all the problems, assigned from your textbook, before attending the discussion sessions.

Schedule of Discussions:

Section	Math Discussion	TA	Biology Discussion	TA
0111	M 10-1050am in MTH 0106	Nathan Yu	W 10-1050am in MTH 0106	Madolyn Britt
0112	M 10-1050am in MTH 0103	Gareth Johnson	W 10-1050am in MTH 0103	Ajeet Gary
0121	M 11-1150am in MTH 0106	Nathan Yu	W 11-1150am in MTH 0106	Madolyn Britt
0122	M 11-1150am in MTH 0103	Gareth Johnson	W 11-1150am in MTH 0103	Sylvia Ejeh
0131	M 2-250pm in MTH 0106	Nathan Yu	W 2-250pm in MTH 0106	Madolyn Britt
0132	M 2-250pm in MTH 0105	Gareth Johnson	W 2-250pm in MTH 0105	Ben Daniels
0141	M 3-350pm in MTH 0303	Nathan Yu	W 3-350pm in MTH 0303	Madolyn Britt
0142	M 3-350pm in MTH 0105	Gareth Johnson	W 3-350pm in MTH 0105	Ben Daniels

Classroom ground rules: Use of electronic devices is forbidden during lectures and discussion (except for the duration of the lecture quizzes when you can use your smartphone/tablet/laptop to submit your answer).

Absences: Excused absences will be given only with documentation and only for valid medical reasons, university business, or appearances in court. Absence for medical reasons on days when exams are scheduled requires documentation of the illness, signed by a health care professional. *The reason for absence must be unavoidable, documented, and reported to me at least 48 hours before the exam date.* In cases of emergency, contact me by email as soon as possible. Makeup exams will not be given.

Students with disabilities: The University provides upon request academic accommodations for qualified students with disabilities. For more information see http://www.counseling.umd.edu/DSS.

Academic integrity: At all times you are expected to abide the University's policy on academic integrity: https://www.faculty.umd.edu/teach/integrity.html. All cases of academic dishonesty will be referred to the Office of Student Conduct. Academic dishonesty includes cheating on quizzes and exams. Additionally, the University has a nationally recognized Honor Code, administered by the Student Honor Council. The pledge, approved by the University Senate, reads: "I pledge on my honor that I have not given or received any unauthorized assistance on this assignment/examination." Unless specifically advised to the contrary, the Pledge should be handwritten and signed on all tests in this course. In conjunction with the University's Code of Academic Integrity, allegations of academic dishonesty will be reported to the Honor Council.