**Advanced Calculus III - Math 2143**
Prof. Iddo Ben-Ari
Contact: preferred through course Piazza, try to avoid using email.

Meeting MWF 10:50-12:05, MONT 112
Office hours:
- Piazza: anytime
- M 3:45-4:30, W 3:30-4:30, F 9:00-10:00.

Grade.
- 5% Class participation (2% attendance, 3% class/Piazza/office hours)
- 15% Weekly 5-10 minute quizzes on Friday, starting Week 2. Lowest two dropped.
- 15% Homework, weekly on Friday, collected the following Friday. Lowest two dropped.
- 22% Exam I, In class F 10/04
- 22% Exam II, Take home, posted F Nov 1 8:00PM, due Sun Nov 3 11:59PM
- 22% Exam III, Take home, posted F Dec 6 8:00PM, due Sun Dec 8 11:59PM.

Textbook. Calculus II by Tom Apostol, 2nd ed.
Having a physical copy of the book is not required. The course will be self contained.

Material. At the core, we will cover the following chapters in the textbook:
- Ch. 1: Linear Spaces.
- Ch. 2: Linear Transformations.
- Ch. 3: Determinants.
- Ch. 4: Eigenvalues and Eigenvectors.
- Ch. 6: Linear Differential Equations.
- Ch. 7: Systems of differentials Equations.

Time permitting:
- Ch. 8: Differential Calculus of Scalar Fields.
- Ch. 9: Applications of Differential Calculus.
- Ch. 10: Line Integrals.

We may omit certain sections, and may add some supplementary material. Notation and presentation may differ from notation in book.

Grade-related course policies.
- Electronic devices and notes of any kind are not allowed in quizzes and exams.
- Letter conversion: ≥93% A;≥90% A–;≥87% B+;≥83% B;≥80% B–;...;<60% F

Academic integrity. I'm quite sure we won't have to deal with it, but just in case:
- UCONN policies.
- Please contact me if you have any questions or problems to report.

General.
- Other relevant UCONN policies.
- Not sure about anything? Contact me.