Math 115 Town Hall
Calculus of Functions of One Variable II

August 10, 2022
Town Hall Questions.

- Who takes Math 115?
- What do we do in Math 115?
- How do I succeed in Math 115?
Where Math 115 fits in the Calculus Sequence.

- **Calculus 1: derivatives**
  - AP Calculus AB
  - Math 110 + 111
  - Math 112

- **Calculus 2: integration and series**
  - AP Calculus BC
  - **Math 115**
  - Math 116 - biological systems focus (fall)

- **Calculus 3: multivariable calculus**
  - Math 120
  - Math 121 - biological systems focus (spring)
  - ENAS 151 - engineering focus
Topics in Math 115.

- Integrals: definition and techniques
- Applications of Integration: areas, distances, volumes
- Infinite Series: convergence tests and definition
- Taylor Series and Polynomials
- Applications of Series: approximating functions
- Parametric and Polar equations
Work Cycle in Math 115.

- **Before class:** Explorations (due by 7am on class days)
- **During class:** Active learning
- **After class:** Problem sets (due Wednesdays at midnight)
Assessments in Math 115.

- Explorations
- Problem Sets
- Midterm 1 (integration)
- Midterm 2 (series)
- Final Exam (cumulative)

Grades: determined by YOUR score
(not curved = not competing)
Reward improvement!
Poll.

What are you most concerned about heading into Math 115?

A. Keeping up with the pace of the course
B. Doing more independent work
C. Being intimidated by my peers
D. Taking important exams
E. Other
Succeeding in Math 115.

- Baby steps.
- Ask why.
- Work together.
- Seek help.
- Make mistakes.
- Practice, Practice, Practice!

*You can’t just turn on creativity like a faucet. You have to be in the right mood.*

*What mood is that? Last-minute panic.*
Resources in Math 115.

- Office hours.
- Peer tutors.
- Concept checks and lecture videos (in Modules on Canvas).
- Practice exams and review sessions.
- Weekly learning strategies.
Town Hall Questions.

- Who takes Math 115?
- What do we do in Math 115?
- How do I succeed in Math 115?
- (Your question here)