

# MTH 137

## CAP 4 Year Review

# About the course

- MTH 137 Calculus with Review
- Currently, MTH 137/138 are required for engineering technology students (changed for fall 2018)
- Also populated by students who need MTH 168 Analytic Geometry and Calculus I, but are not fully prepared for it
- Material contains review of precalculus plus approximately the first third of MTH 168 material (limits, intro to derivatives)
- Original Institutional Learning Goals: Scholarship & Practical Wisdom

# Difficulties

- No concrete assessment plan in place
- Practical Wisdom not an appropriate ILG for the course
- Many course learning objectives that were very vague
- Course is routinely taught by adjunct faculty

# Result of CAP review

- Removed Practical Wisdom from ILGs
- Streamlined course learning objectives (now three concisely articulated objectives) and created specific sample problems for each objective
- Assessment procedure:
  - Use the cumulative final exam for some sections
  - Instructors will keep track of student performance on these questions as they grade the final
  - Categories in the rubric will correspond to certain point totals for each problem
- Conditional reapproval for 2 years

# Rubric

Assuming a 10-point scale for each problem:

- Minimal understanding: 1-3 points
- Approaching standards: 4-6 points
- Meets standard: 7-8 points
- Meets standard at high level: 9-10 points