**Calculus I -- Fall 2018**

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**MTH 229 - Calculus with Analytic Geometry I (CT).** An introduction to analytic geometry. Limits, derivatives, and integrals of the elementary functions of one variable, including the transcendental functions. (PR: MTH ACT of 27 or above, or MTH 130 and 122, or MTH 127 and 122, or MTH 132) This course meets a Core I/Critical Thinking requirement.

* Time and Place: 5:00 pm - 5:50 pm MW and 5:00 pm - 6:15 pm TR at 518 Smith Hall.
* Instructor: [Peter Saveliev](http://inperc.com/wiki/index.php?title=Peter_Saveliev) (call me Peter).
* Office: Smith Hall 713.
* Office Hours: MF 2:00, W 6:00, or by appointment.
* Office Phone: x4639.
* E-mail: saveliev@marshall.edu.
* Class Web-Page: [math02.com](http://math02.com).
* Prerequisites: fluency with algebra, good understanding of functions.
* Text: [Calculus by Stewart](http://inperc.com/wiki/index.php?title=Calculus_by_Stewart) and the [lecture notes](http://inperc.com/wiki/index.php?title=Calculus_Illustrated).
* Goals: good understanding of limits, the derivative and the integral, fluent differentiation.
* Computer Restrictions: graphic calculator TI-83 or TI-83+.
* Activities: the student will practice each outcome via the homework given in the textbook and online.
* Evaluation: the student achievement of each outcome will be assessed via in-class quizzes, online quizzes (<http://webwork.marshall.edu/webwork2/F18-Math-229-Saveliev/>), in-class tests, and projects (written applications of calculus in science and engineering).
* Grade Breakdown:
  + participation: 20%,
  + quizzes: 20%,
  + project: 20%,
  + midterm: 20%,
  + final exam: 20%,

i.e., the total score is the following weighted average of the five scores:

TOTAL =.20×*P*+.20×*Q*+.20×*P*+.20×*M*+.20×*F*.