## Math 161 - 005

## Calculus I

## Fall 2018

## MWF 1:40 – 3:35 pm

## (236 Dumbach Hall)



* [Ground Rules](http://www.math.luc.edu/~ajs/courses/161fall2018/groundrules.pdf)
* [Syllabus](http://www.luc.edu/math/academics/courses/math161/)
* [WebAssign](https://www.webassign.net/luc/login.html) ([Getting Started](https://www.luc.edu/math/courseresources/math161/))
* [WebAssign Homework & Reading Assignments](http://www.math.luc.edu/~ajs/courses/161fall2018/homework161.pdf)
* [Written Assignments](http://webpages.math.luc.edu/~ajs/courses/161fall2018/writtenHw/writtenHw.pdf)
* Quiz Solutions ([1](http://webpages.math.luc.edu/~ajs/courses/161fall2018/quizSolutions/quiz1.pdf), [2](http://www.math.luc.edu/~ajs/courses/161fall2018/quizSolutions/quiz2.pdf), [3](http://www.math.luc.edu/~ajs/courses/161fall2018/quizSolutions/quiz3.pdf), [4](http://www.math.luc.edu/~ajs/courses/161fall2018/quizSolutions/quiz4.pdf), [5](http://www.math.luc.edu/~ajs/courses/161fall2018/quizSolutions/quiz5.pdf), [6](http://www.math.luc.edu/~ajs/courses/161fall2018/quizSolutions/quiz6.pdf), [7](http://www.math.luc.edu/~ajs/courses/161fall2018/quizSolutions/quiz7.pdf), [8](http://www.math.luc.edu/~ajs/courses/161fall2018/quizSolutions/quiz8.pdf), 9, $$)
* Test Solutions ([test 1](http://www.math.luc.edu/~ajs/courses/161fall2018/testSolutions/test1.pdf), [test 2](http://www.math.luc.edu/~ajs/courses/161fall2018/testSolutions/test2.pdf), [test 3](http://www.math.luc.edu/~ajs/courses/161fall2018/testSolutions/test3.pdf))
* OldTests ([test1](http://www.math.luc.edu/~ajs/courses/161fall2018/practiceTests/test1.pdf), [test 2](http://www.math.luc.edu/~ajs/courses/161fall2018/practiceTests/test2.pdf), [test 3](http://www.math.luc.edu/~ajs/courses/161fall2018/practiceTests/test3.pdf))
* Practice Finals ([Final A](http://www.math.luc.edu/~ajs/courses/161fall2018/finalA.pdf), [Final B](http://www.math.luc.edu/~ajs/courses/161fall2018/finalB.pdf))
* [Final Review Topics](http://www.math.luc.edu/~ajs/courses/161fall2018/finalReview.pdf)
* [Class Discussion Questions](http://www.math.luc.edu/~ajs/courses/161fall2018/cd/indexCD.pdf)
* [Piazza](https://piazza.com/luc/fall2018/math161005/home)
* [Tutoring Services and Schedule](http://www.luc.edu/tutoring/index.shtml)
* Mathematica Examples: basic ops ([pdf](http://www.math.luc.edu/~ajs/courses/161fall2018/MathematicaExamples/basicOps.pdf), [nb](http://www.math.luc.edu/~ajs/courses/161fall2018/MathematicaExamples/basicOps.nb)), implicit differentiation ([pdf](http://www.math.luc.edu/~ajs/courses/161fall2018/MathematicaExamples/implicitDiff.pdf), [nb](http://www.math.luc.edu/~ajs/courses/161fall2018/MathematicaExamples/implicitDiff.nb)), area ([pdf](http://www.math.luc.edu/~ajs/courses/161fall2018/MathematicaExamples/area.pdf), [nb](http://www.math.luc.edu/~ajs/courses/161fall2018/MathematicaExamples/area.nb))
* Mathematica Labs ([Lab 1](http://www.math.luc.edu/~ajs/courses/161fall2018/labs/lab1.pdf), [Lab 2](http://www.math.luc.edu/~ajs/courses/161fall2018/labs/lab2.pdf), [Lab 3](http://www.math.luc.edu/~ajs/courses/161fall2018/labs/lab3.pdf))
* Calculus test banks: [University of Michigan](http://www.math.lsa.umich.edu/courses/115/PastExams/index.html); [NYU](http://cims.nyu.edu/~kiryl/Calculus/Tests/Online%20Tests.html); [Washington University St. Louis](https://wumath.wustl.edu/exams/old-exams/math131)
* [MIT OCW for Calculus](http://ocw.mit.edu/OcwWeb/Mathematics/18-01Fall-2006/VideoLectures/index.htm)
* Project/Essay topics
* Useful References ([Greek alphabet](http://www.ibiblio.org/koine/greek/lessons/alphabet.html); [Mathematica tutorials & websites; supplementary texts and calculus websites](http://webpages.math.luc.edu/~ajs/courses/161fall2018/websites.pdf))
* [History of Calculus](http://www-groups.dcs.st-and.ac.uk/~history/HistTopics/The_rise_of_calculus.html)



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