## Math 161 - 004

## Calculus I

## Fall 2017

## MWF 11:30 am – 1:25 pm

## (236 Dumbach Hall)



* [Ground Rules](http://www.math.luc.edu/~ajs/courses/161fall2017/groundrules.pdf)
* [Syllabus](http://www.luc.edu/math/academics/courses/math161/)
* [WebAssign](https://www.webassign.net/luc/login.html)
* [Homework & Reading Assignments](http://www.math.luc.edu/~ajs/courses/161fall2017/homework.pdf)
* [Class Discussion Exercises](http://www.math.luc.edu/~ajs/courses/161fall2017/classDiscussion/cdindex.pdf)
* [GroupWork](http://www.math.luc.edu/~ajs/courses/161fall2017/groupwork/index.pdf)
* [Worksheets](http://www.math.luc.edu/~ajs/courses/161fall2017/worksheets/index.pdf)
* [Piazza](https://piazza.com/luc/fall2017/math161004/home)
* [Tutoring Services and Schedule](http://www.luc.edu/tutoring/index.shtml)
* Quiz Solutions ([qz 1](http://www.math.luc.edu/~ajs/courses/161fall2017/quizSolutions/quiz1solutions.pdf), [qz 2](http://www.math.luc.edu/~ajs/courses/161fall2017/quizSolutions/quiz2Solutions.pdf), [qz 3](http://www.math.luc.edu/~ajs/courses/161fall2017/quizSolutions/quiz3.pdf), [qz 4](http://www.math.luc.edu/~ajs/courses/161fall2017/quizSolutions/quiz4.pdf), qz 5, qz 6, qz 7, qz 8, qz 9, qz 10)
* Practice Tests ([test 1](http://www.math.luc.edu/~ajs/courses/161fall2017/practiceTests/test1.pdf), [test 2](http://www.math.luc.edu/~ajs/courses/161fall2017/practiceTests/test2.pdf), test 3)
* Test Solutions (test 1, test 2)
* Practice Finals ([final A](http://www.math.luc.edu/~ajs/courses/161fall2017/finalA.pdf), [final B](http://www.math.luc.edu/~ajs/courses/161fall2017/finalB.pdf))
* [final exam review topics](http://www.math.luc.edu/~ajs/courses/161fall2017/finalReview.pdf)
* Mathematica Examples ([basic ops *nb*](http://www.math.luc.edu/~ajs/courses/161fall2017/MathematicaExamples/basicOps.nb) *or* [*PDF*](http://www.math.luc.edu/~ajs/courses/161fall2017/MathematicaExamples/basicOps.pdf); [implicit & parametric eqns *nb*](http://www.math.luc.edu/~ajs/courses/161fall2017/MathematicaExamples/implicitDiff.nb) *or* [*PDF*](http://www.math.luc.edu/~ajs/courses/161fall2017/MathematicaExamples/implicitDiff.pdf); [area *nb*](http://www.math.luc.edu/~ajs/courses/161fall2017/MathematicaExamples/area.nb) *or* [*PDF*](http://www.math.luc.edu/~ajs/courses/161fall2017/MathematicaExamples/area.pdf))
* Mathematica Labs ([Lab I](http://www.math.luc.edu/~ajs/courses/161fall2017/labs/lab1.pdf), [Lab II](http://www.math.luc.edu/~ajs/courses/161fall2017/labs/lab2.pdf), [Lab III](http://www.math.luc.edu/~ajs/courses/161fall2017/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)
* [Essay topics](http://www.math.luc.edu/~ajs/courses/161fall2017/essayTopics161.pdf)
* Useful References ([Greek alphabet](http://www.ibiblio.org/koine/greek/lessons/alphabet.html); [Mathematica tutorials & websites](http://www.math.luc.edu/~ajs/courses/161fall2017/MathematicaSites.pdf); [supplementary texts and calculus websites](http://www.math.luc.edu/~ajs/courses/161fall2017/websites.pdf))
* [History of Calculus](http://www-groups.dcs.st-and.ac.uk/~history/HistTopics/The_rise_of_calculus.html)



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