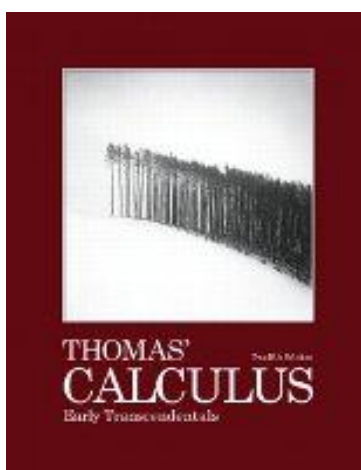


# SURVIVAL SHEET: MATH 162 - SECTION 002

## SPRING SEMESTER 2013

*Required Text:* George Thomas, et. al., Thomas' Calculus: Early Transcendentals (volume 1), 12<sup>th</sup> edition, Addison-Wesley (2010), packaged with *MyMathLab* Access Kit or *MyMathLab* stand-alone.



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*Course*

*URL:* <http://webpages.math.luc.edu/~ajs/courses/162spring2013/index.pdf>

*Office Hours:* MWF 9:15 – 10 am, 3:30 – 5:00 pm, TTh 2:30 – 4:00 pm *or* by appointment.

*Calculator:* [TI-84 plus](#) graphing calculator or equivalent

*Software:* [Mathematica 8](#)

*Ground Rules:* The final grade is computed according to the following recipe:

Quizzes	23 %
Tests	23 %
Homework ( <i>MyMathLab</i> )	10 %
Mathematica Labs	7 %
Essay/Project	7 %
Groupwork	7 %
Final Exam	23 %

### ***IMPORTANT DATES:***

- **Quizzes:** Jan 25<sup>th</sup>, Feb 1<sup>st</sup>, 15<sup>th</sup>, 22<sup>nd</sup>, March 15<sup>th</sup>, 22<sup>nd</sup>, April 5<sup>th</sup>, 19<sup>th</sup>
- **Tests:** Feb 8<sup>th</sup>, March 1<sup>st</sup>, April 12<sup>th</sup>
- **Holidays:**

❖ **Martin Luther King, Jr. Day:** Monday, January 21<sup>st</sup>



❖ **Spring break:** Monday, March 4<sup>th</sup> – 9<sup>th</sup>



❖ **Easter break:** Thursday – Monday, March 28<sup>th</sup> – April 1<sup>st</sup>



- **Last Day to Withdraw:** Monday, March 25<sup>th</sup> (5:00 pm)
- **Last Day of Class:** Friday, April 26<sup>th</sup>
- **Final Exam:** Friday, May 3<sup>rd</sup> (9:00 am – noon)
- **Loyola Calendar** (Spring Semester of 2013)

### ***TUTORING CENTER:***

The Center for Tutoring & Academic Excellence offers free collaborative learning opportunities that include small group tutoring and tutor-led study halls to Loyola students. The groups meet once a week through the end of the semester and are led by a peer tutor who has successfully completed study in the course material. To learn more or

request tutoring services, visit the Center for Tutoring & Academic Excellence online at [www.luc.edu/tutoring](http://www.luc.edu/tutoring).

**REMARKS:**

1. *MyMathLab* homework will not be accepted beyond the posted deadline.
2. Quizzes will be based upon recent class discussion as well as recent homework. Each quiz will last about 30 minutes. There will be no make-up quizzes unless the student makes prior arrangements with the instructor. The *lowest two* of the eight quiz grades will be dropped.
3. The duration of each test is approximately 1 hour. Make-up tests will be given only for non-frivolous reasons. In such cases, the student should make prior arrangements with the instructor, if at all possible.
4. The *minimum penalty* for cheating is failure in the course. A student who improperly aids another with a homework assignment, a quiz, a test, a Mathematica lab, or the final exam is considered to be equally culpable. If you receive help on an assignment from anyone other than the instructor (this includes another student, a TA, a family member, or friend), you should *acknowledge this fact* in a comment at the beginning of your homework or project. Incidents of academic dishonesty will be reported to the appropriate Dean.

*The goal of intellectual education is not to know how to repeat or retain ready-made truths (a truth that is parroted is only a half-truth). It is in learning to master the truth by oneself at the risk of*

*losing a lot of time and of going through  
all the round about ways that are  
inherent in real activity.*

- [Jean Piaget](#)

Mathematics Awareness Month - April 2013

# Mathematics of Sustainability

$\frac{dP}{dt} = rP \left(1 - \frac{P}{K}\right) - h$


Good Copf =  $1 - 2L^2/L^2$

Muir Glacier 1941 Muir Glacier 2001

$\frac{d}{dt} [T = Q_1(t) / (1 - \alpha(t)) - (1 - \alpha) + C(T - T_1)]$

Balancing needs and seeking solutions for a complex changing world

To learn more about the connections between mathematics and sustainability, visit [www.mathaware.org](http://www.mathaware.org)



Joint Policy Board for Mathematics: American Mathematical Society, Mathematical Association of America, Society for Industrial and Applied Mathematics, American Statistical Association

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