

UNIVERSITY OF COLORADO  
**Computer Applications in Economics: ECON4838-001**  
**Spring 2014**

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**Office Hours:** Monday, Wednesday and Friday 11:00 - 11:50,  
Tuesday and Thursday 2:30- 3:30, or by appointment.

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**Web Link for Class Outline**

The workplace demand for skilled analysts is expected to continue to be very strong with demand exceeding labor supply for at least the next decade. The primary goal of this course is to improve skills in understanding economic models and to apply an analytical interpretation that allows the student to understand multiple outcomes. Students will be expected to be proficient in both understanding economic concepts and applications. Computer Applications uses the Mathematica programming package as a complement to the economic concepts presented in class. Economic concepts will emphasize applied topics rather than a purely theoretical presentation. Students will learn the basics of applied economic modeling.

Students will be expected to complete weekly assignments that model economic applications using Mathematica.

Two exams will be given that cover the economic theory and materials presented in class. The exams will not include any Mathematica programming.

Students will complete a final project that covers an economic theory not covered in class that includes an applied model that can be demonstrated using Mathematica. Students will choose the theory they cover and each theory must not have been chosen by another student to avoid duplication.

## Course Materials

[Web Link for Mathematica Download](#)

## Grading

There will be 2 exams given during the semester. Exams will represent 67% of the class grade, Mathematica assignments and the final project the remaining 33%.

For your final grade, the grading scale is:

- x 92.00%+ = A
- x 90.00% - 91.99% = A-
- x 88.00% - 89.99% = B+
- x 82.00% - 87.99% = B
- x 80.00% - 81.99% = B-
- x 78.00% - 79.99% = C+
- x 60.00% - 77.99% = C
- x below 60% = F

## Exam Schedule

Midterm Exam: Friday, February 28

Midterm Exam: Friday, April 25

Exams will be given in the classroom.

## Important Dates

- x March 24 - March 30: Spring Break
- x May 2 - Last day of classes

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### The Fine Print

(1) The Boulder Provost's Disability Task Force recommended syllabus statement:

If you qualify for accommodations because of a disability, please submit to your professor a letter from Disability Services in a timely manner (for exam

accommodations provide your letter at least one week prior to the exam) so that your needs can be addressed. Disability Services determines accommodations based on documented disabilities. Contact Disability Services at 303-492-8671 or by e-mail at [dsinfo@colorado.edu](mailto:dsinfo@colorado.edu).

If you have a temporary medical condition or injury, see Temporary Medical Conditions: Injuries, Surgeries, and Illnesses guidelines under Quick Links at Disability Services website and discuss your needs with your professor.

(2) Campus policy regarding religious observances states that faculty must make reasonable accommodation for them and in so doing, be careful not to inhibit or penalize those students who are exercising their rights to religious observance. Faculty should be aware that a given religious holiday may be observed with very different levels of attentiveness by different members of the same religious group and thus may require careful consideration to the particulars of each individual case. See [http://www.colorado.edu/policies/fac\\_relig.html](http://www.colorado.edu/policies/fac_relig.html)

If you have questions about providing students with religious accommodations, please contact the Office of Discrimination and Harassment at 303-492-2797.

A comprehensive calendar of the religious holidays most commonly observed by CU-Boulder students is at <http://www.interfaithcalendar.org/>

Campus policy regarding religious observances requires that faculty make every effort to deal reasonably and fairly with all students who, because of religious obligations, have conflicts with scheduled exams, assignments or required attendance. In this class, {{insert your procedures here}} See full details at [http://www.colorado.edu/policies/fac\\_relig.html](http://www.colorado.edu/policies/fac_relig.html)

(3) Faculty and students should be aware of the campus "Classroom Behavior" policy at <http://www.colorado.edu/policies/classbehavior.html> as well as faculty rights and responsibilities listed at [http://www.colorado.edu/FacultyStaff/faculty-booklet.html#Part\\_1](http://www.colorado.edu/FacultyStaff/faculty-booklet.html#Part_1)

and nationalities. Class rosters are provided to the instructor with the student's legal name. I will gladly honor your request to address you by an alternate name or gender pronoun. Please advise me of this preference early in the semester so that I may make appropriate changes to my records. See policies at

