

Cover Sheet: Request 10473

New Course :: ECO 4401: Mathematical Economics

Info

Process	Course New Ugrad/Pro
Status	Pending
Submitter	Knight,David T thomas.knight@ufl.edu
Created	10/5/2015 4:52:04 PM
Updated	12/4/2015 2:31:50 PM
Description	The request is to add a new course (Mathematical Economics) to the UF Catalog. The course will satisfy the upper-division economics elective requirement for students majoring in economics. It will also provide critical preparation for undergraduate students interested in pursuing graduate studies in economics and related disciplines.

Actions

Step	Status	Group	User	Comment	Updated
Department	Approved	CLAS - Economics 011643001	Knight, David T		10/7/2015
Added ucc_consult_MathEcon.pdf					10/7/2015
College	Recycled	CLAS - College of Liberal Arts and Sciences	Pharies, David A	conditionally approved. 1. Under student objectives, please begin with the phrase "Students who successfully complete this course will be able to"; 2. Under Course Textbook, please provide full bibliographic information, including publisher and city	11/12/2015
No document changes					
Department	Approved	CLAS - Economics 011643001	Knight, David T		11/15/2015
No document changes					
College	Approved	CLAS - College of Liberal Arts and Sciences	Pharies, David A		12/4/2015
No document changes					
University Curriculum Committee	Pending	PV - University Curriculum Committee (UCC)			12/4/2015
No document changes					
Statewide Course Numbering System					
No document changes					
Office of the Registrar					
No document changes					

Step	Status	Group	User	Comment	Updated
Student Academic Support System					
No document changes					
Catalog					
No document changes					
College Notified					
No document changes					

Chiang and Wainwright, Chapter 4
Problem Set I due at the beginning of class.

- L4 Linear Models and Matrix Algebra
 Chiang and Wainwright, Chapter 5
- L5 Linear Models and Matrix Algebra
 Chiang and Wainwright, Chapter 5
- L6 Concept of Derivative and Rules of Differentiation
 Chiang and Wainwright, Chapter 6.1-6.3
 Problem Set II due at the beginning of class.
- L7 Concept of Derivative and Rules of Differentiation
 Chiang and Wainwright, Chapter 7
- L8 Comparative Static Analysis of General-Function Models
 Chiang and Wainwright, Chapter 8
Problem Set III due at the beginning of class .
- L9 Comparative Static Analysis of General-Function Models
Chiang and Wainwright, Chapter 8
- L10 Unconstrained Univariate Optimization
Chiang and Wainwright, Chapter 9
 Problem Set IV due at the beginning of class.
- L11 Unconstrained Univariate Optimization
Chiang and Wainwright, Chapter 9
- L12 Exponential and Logarithmic Functions
Chiang and Wainwright, Chapter 10
 Problem Set V due at the beginning of class.

Exam Review

FIRST EXAMINATION

- L13 Unconstrained Multivariate Optimization
Chiang and Wainwright, Chapter 11
- L14 Unconstrained Multivariate Optimization
 Chiang and Wainwright, Chapter 11
- L15 Multivariate Optimization with Equality Constraints
 Chiang and Wainwright, Chapter 12
 Problem Set VI due at the beginning of class.
- L16 Multivariate Optimization with Equality Constraints
 Chiang and Wainwright, Chapter 12

- L17 Multivariate Optimization with Inequality Constraints
Chiang and Wainwright, Chapter 13
Problem Set VII due at the beginning of class.
- L18 Multivariate Optimization with Inequality Constraints
Chiang and Wainwright, Chapter 13
- L19 Economic Dynamics and Integral Calculus
Chiang and Wainwright, Chapter 14
Problem Set VIII due at the beginning of class.
- L20 Economic Dynamics and Integral Calculus
Chiang and Wainwright, Chapter 14
- L21 First-Order Differential Equations
Chiang and Wainwright, Chapter 15
Problem Set IX due at the beginning of class.
- L22 First-Order Differential Equations
Chiang and Wainwright, Chapter 15
- L23 First-Order Difference Equations
Chiang and Wainwright, Chapter 17
Problem Set X due at the beginning of class.
- L24 First-Order Difference Equations
Chiang and Wainwright, Chapter 17

Exam Review

SECOND EXAMINATION

Grading Scheme : Numerical final grades will be calculated as a weighted average of the graded course assessments. The weights employed in this calculation are:

Average of 10 equally-weighted problem sets: 20%

Exam 1: 40%

Exam 2: 40%

The numerical final grade calculated above translates into a final letter grade according to the table below:

92.50-100: A
90.00-92.49: A-
87.50-89.99: B+
82.50-87.49: B
80.00-82.49: B-
77.50-79.99: C+
72.50-77.49: C
70.00-72.49: C-
67.50-69.99: D+
62.50-67.49: D
60.00-62.49: D-

0-59.99: E

All grades are rounded to the nearest hundredth point.

Grading and attendance policies are consistent with UF policies, which can be found at:

<http://catalog.ufl.edu/ugrad/current/regulations/info/grades.aspx>

<http://catalog.ufl.edu/ugrad/current/regulations/info/attendance.aspx>

Instructor(s) : Thomas Knight

External Consultation Results (departments with potential overlap or interest in proposed course, if any)

Department	Name and Title
_____	_____
Phone Number	E-mail
_____	_____
Comments	

Department	Name and Title
_____	_____
Phone Number	E-mail
_____	_____
Comments	

Department	Name and Title
_____	_____
Phone Number	E-mail
_____	_____
Comments	