Cover Sheet: Request 11686

ECO 2XXX: Economics of Sustainability

Info

Process	Course|New|Ugrad/Pro
Status	Pending at PV - University Curriculum Committee (UCC)
Submitter	David Knight thomas.knight@ufl.edu
Created	5/10/2017 1:19:17 PM
Updated	10/15/2017 6:03:45 PM
Description of request	The Department of Economics proposed to create a new introductory undergraduate course. This course is primarily intended for students in the Sustainability Studies major, but other undergraduate students would also be welcome.

Actions

Step	Status	Group	User	Comment	Updated
Department	Approved	CLAS - Economics 011643001	David Knight		5/10/2017
No document changes					
College	Approved	CLAS - College of Liberal Arts and Sciences	David Knight		9/25/2017
No document changes					
University Curriculum Committee	Commented	PV - University Curriculum Committee (UCC)	David Knight	Added to October agenda	9/25/2017
No document changes					
University Curriculum Committee	Pending	PV - University Curriculum Committee (UCC)			9/25/2017
No document changes					
Statewide Course Numbering System					
No document changes					
Office of the Registrar					
No document changes					
Student Academic Support System					
No document changes					
Catalog					
No document changes					
College Notified					
No document changes					

Course|New for request 11686

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Description of request: The Department of Economics proposed to create a new introductory undergraduate course. This course is primarily intended for students in the Sustainability Studies major, but other undergraduate students would also be welcome.
Submitter: David Knight thomas.knight@ufl.edu
Created: 10/15/2017 6:06:50 PM
Form version: 5

Responses

Recommended PrefixECO
Course Level 2
Number XXX
Category of Instruction Introductory
Lab Code None
Course Title Economics of Sustainability
Transcript Title Eco of Sustainability
Degree Type Baccalaureate

Delivery Method(s)4136On-Campus
Co-Listing No

Effective Term Earliest Available
Effective Year Earliest Available
Rotating Topic?No
Repeatable Credit?No

Amount of Credit3

S/U Only?No
Contact Type Regularly Scheduled
Weekly Contact Hours 3
Course Description Examines issues of environmental sustainability from an economic perspective. Discusses economic treatment of renewable and nonrenewable resources, land constraints, and global climate change. Identifies potential policy solutions grounded in economic theory.
Prerequisites None
Co-requisites None
Rationale and Placement in Curriculum This course will provide an introduction to the economics of sustainability. It will be the first applied economics course in the UF Catalog that does not have prerequisites. Currently, only ECO 2013 (Principles of Macroeconomics) and ECO 2023 (Principles of Microeconomics) do not have prerequisites.

This course is primarily intended to serve students in the Sustainability Studies major, but it will also be of general interest. The course will be added as a Core Course (under the social sciences grouping) to the Sustainability Studies major in the future. For this reason, it is being proposed at the 2,000 level.

Course Objectives Students that successfully complete this course will be able to: (i) Define the concept of sustainability and apply it to various social and economic issues, (ii) Communicate the concepts of time discounting and intertemporal choice as they apply to sustainability issues; and (iii) Describe the economic consequences of unsustainable behavior.
Course Textbook(s) and/or Other Assigned Reading The Climate Casino: Risk, Uncertainty, and Economics for a Warming World by William Nordhaus. Yale University Press, ISBN: 978-0300212648
Weekly Schedule of Topics Attached in "Weekly Course Schedule" document

Links and Policies Class policies are consistent with UF policies and guidelines as described below:

Disability Accommodations:
https://www.dso.ufl.edu/drc/

End-of-Term Evaluations:
https://evaluations.ufl.edu

Counseling and Wellness Center:
http://www.counseling.ufl.edu/cwc/Default.aspx

UF Grading Policies:
https://catalog.ufl.edu/ugrad/current/regulations/info/grades.aspx

UF Attendance Policies:
https://catalog.ufl.edu/ugrad/current/regulations/info/attendance.aspx

UF Student Honor Code:
http://gradcatalog.ufl.edu/content.php?catoid=8&navoid=1493#student-honor-code

UF Copyright and Plagiarism Guidelines:
https://security.ufl.edu/learn-information-security/protect-yourself/copyright-information/
Grading Scheme Exams: There will be two in-class, closed-book essay exams.

Research Paper:
Each student will complete a 12-15 page research paper and conduct a 5-10 minute presentation on a sustainability issue of his or her choice. The issue must be approved by the instructor. A detailed outline (two page proposal) will be due at the date specified in the course calendar. The full paper and presentation deadlines are listed there as well. Details about the format and citations, as well as a grading rubric, will be made available on the course website. You should be ready to present for all dates, unless you have received an excused absence (as identified by the UF guidelines linked above).

Grading Scheme:
A numerical final grade will be calculated according to the following:
35% Exam 1 score
35% Exam 2 score
30% Research Paper Score

This numerical final grade will be translated into a final letter grade according to the following table:

A	93.00 and above
A-	92.99 to 90.00
B+	89.99 to 86.67
B	86.66 to 83.00
B-	82.99 to 80.00
C+	79.99 to 75.00
C	74.99 to 70.00
D	69.99 to 64.00
E	63.99 and below

Assume all grades are rounded to the nearest one-hundredth of a point. For example, a 92.994 will be assigned an A-; a 92.995 will be assigned an A.

Instructor(s) Michelle Phillips

This course will be scheduled for three class periods per week. The proposed plan is that the course will be scheduled for a two-period block on Monday and a one-period block on Wednesday.

Date	**Activity**
W Jan 4	Introduction Read: Ch 1, Ch 2, and Ch 3 of "Climate Casino"
M Jan 9	Economic Origins of Climate Change Cost Benefit Analysis part 1
W Jan 11	Future Climate Change Tipping Points in the Climate Casino Read: Ch 4 and Ch 5 of "Climate Casino"
W Jan 18	Environmental Policy History part 1 and Cap and Trade Read: "The SO2 Allowance Trading System: The Ironic History of a Grand Policy Experiment." Richard Schmalensee and Robert N. Stavins. Journal of Economic Perspectives. 2013. (*link posted in Canvas*)
M Jan 23	From Climate Change to Impacts The Fate of Farming Read: Ch 6 and Ch 7 of "Climate Casino"
W Jan 25	The Impact on Human Health Pollution, Health, and the Economy Read: Ch 8 of "Climate Casino" Recessions and Health: The Impact of Economic Trends on Air Pollution in California. Davis, Mary. American Journal of Public Health. 2012. (*link posted in Canvas*)
M Jan 30	Perils for the Oceans Intensification of Hurricanes Wildlife and Species Loss Read: Ch 9, Ch 10, Ch 11 of "Climate Casino"
W Feb 1	Law and Economics relating to sustainability Tragedy of the Commons Read: Excerpts from "Tragedy of the Commons" (*posted in Canvas*)
M Feb 6	Adding up the damages from climate change Dealing with climate change: adaptation and geoengineering Slowing climate change by reducing emissions: Mitigation Read: Ch 12, Ch 13, Ch 14 of "Climate Casino"
W Feb 8	Financing sustainable projects in developing countries. Climate change and global agreements on GHG emissions. Read: World Bank and United Nations reports (*posted in Canvas*)
M Feb 13	Political economy of GHG regulation and Coal/Clean Air Act.

	Read: "The political economy of congressional support for legislation intended to mitigate GHG production" (*posted in Canvas*)
W Feb 15	Exam 1 review, ***Research proposal due***
M Feb 20	***Exam 1***
W Feb 22	Energy Efficiency. Read: "Is there an energy efficiency gap?" Allcott, Hunt and Michael Greenstone. Journal of Economics Perspectives. 2012. (*link posted in Canvas*) "The Economics of Fuel Economy Standards." Portney, Paul, Ian Parry, Howard Gruenspecth, and Winston Harrington. Journal of Economics Perspectives. 2003. (*link posted in Canvas*) "The New CAFE standards: are they enough on their own?" McConnell, Virginia. Resources for the Future. (*link posted in Canvas*)
M Feb 27	The Costs of Slowing Climate Change Discounting and the Value of Time Read: Ch 15 and Ch 16 of "Climate Casino"
W Mar 1	Transportation and how to reduce petroleum consumption Read: Reducing Petroleum Consumption from Transportation. Christopher R. Knittel. The Journal of Economic Perspectives (*link posted in Canvas*)
M Mar 13	Environmental Policy History part 2: Historical Perspectives on Climate Policy Cost Benefit Analysis part 2 The Central Role of Carbon Prices Read: Ch 17, Ch 18, and Ch 19 of "Climate Casino"
W Mar 15	Climate Change Policies at the National Level From National to Harmonized International Policies Second Best and Beyond Read: Ch 20, Ch 21, and Ch 22 of "Climate Casino"
M Mar 20	Economics of Nuclear power. New Technologies for a low-carbon economy Read: Ch 23 of "Climate Casino"
W Mar 22	***Research paper due*** Climate Science and its critics Public Opinion on Climate Change Read: Ch 24 and Ch 25 of "Climate Casino"
M Mar 27	Obstacles to Climate Change Policies Climate change and global agreements on GHG emissions. Read: World Bank and United Nations reports (*posted in* Canvas) Ch 26 of "Climate Casino"
W Mar 29	Exam 2 Review, *Presentations (5 people present)*
W Apr 5	***Exam 2***
M Apr 10	*Presentations (9 people present)*

W Apr 12	*Presentations (9 people present)*
M Apr 17	*Presentations (9 people present)*
W Apr 19	*Presentations (9 people present)*