1. COURSE DESCRIPTION
Economic growth, reflected in increases in national output per capita, makes possible an improved material standard of living. Sustainable development, defined as “meeting the needs of the present generations without compromising the ability of future generations to meet their needs” addresses not only economic growth but also the utilization of natural resources, the state of the environment, and intergenerational equity. This includes our responsibility to control emissions of stock pollutants and manage the planet’s natural resources so as to provide future generations with a high quality of life, without sacrificing too much of our materialistic standard of living today. Achieving sustainable economic development is not as easy because economic growth can often come at the expense of environmental quality. Economic analysis will be used to cover the major topics.

2. LEARNING OBJECTIVES
- The student will understand the differences between economic growth and sustainable development.
- The student will become aware of the differences between production and well-being.
- The student will become familiar with worldwide population dynamics.
- The student will be able to recognize Global Issues dealing with growth, poverty, inequality, climate change, oil dependency, population, income, urbanization, health, the atmosphere, fisheries, agriculture, transportation, forestry, and water resources and ways to cope with these problems.
- The student will understand markets and the role of the government.
- The student will be familiar with policies and practices for sustainable development. The student will be knowledgeable about Government Policy options (demand and supply side) to promote Recycling, Clean Technology and Alternative Energy Sources (strengths & weaknesses of each energy source) and identify the future potential of each energy source.
- On the demand side, the student will be exposed to how lifestyle choices, particularly by those in developed countries, can lead to significant changes on human impact on the environment in the long run.

3. TEXT
Required readings will be posted on Blackboard every week.

4. PREREQUISITE
ECON 221 and ECON 222, or ECON 224, AND the successful completion (with a C or better) of MATH122. Algebra and statistics are helpful for the discussion and illustration of economic indicators, trends, analysis, theories and policies.

5. ACADEMIC ACCOMMODATIONS
If you have any condition, such as a physical or learning disability, which will make it difficult for you to carry out the work as I have outlined it or which will require academic accommodations, please notify me in the first two weeks of the course.
6. E-MAIL
Throughout the semester, I will be sending out e-mails with important class information to your South Carolina e-mail address. You are advised to check your Carolina e-mail often.

7. BLACKBOARD
This class actively uses the Blackboard Online System (https://blackboard.sc.edu/). The course syllabus, lecture notes, grades, announcements, readings, and links to other economic sites of interest are posted on this website. You are encouraged to check the website often and keep tabs on your grades. Scores to all exams and assignments will be posted online at the Blackboard grade book. It is your responsibility to contact me if you don’t have a grade for an assignment after grades have been posted for the rest of the class.

8. UNDERGRADUATE STUDENT GRADING SYSTEM

<table>
<thead>
<tr>
<th>ASSIGNMENT</th>
<th>POINTS POSSIBLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weekly In-class Assignments</td>
<td>140 (35% of your final grade)</td>
</tr>
<tr>
<td>Research Project ((final project due 11:00 pm Friday March 31st; peer review of videos due 11pm Friday April 7th)</td>
<td>140 (35% of your final grade)</td>
</tr>
<tr>
<td>Final Exam (Saturday April 29th 12:30-3:00pm)</td>
<td>120 (30% of your final grade)</td>
</tr>
<tr>
<td>Total</td>
<td>400</td>
</tr>
</tbody>
</table>

There will be no make-up assignments, exams or quizzes. All deadlines associated with the research project will be strictly enforced.

The anticipated grading scale for the course is:
- 400 – 360 points  A
- 359-348 points  B+
- 347-320 points  B
- 319-308 points  C+
- 307-280 points  C
- 279-268 points  D+
- 267-240 points  D
- Below 240 points  F

9. GRADUATE STUDENT GRADING SYSTEM

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10. WEEKLY ASSIGNMENTS
The weekly in-class assignments are scheduled for every Thursday. If Thursday is a holiday or class is cancelled on Thursday for any reason, the quiz will be given on the Tuesday before or after the cancelled class. There are no make-ups to missed assignments. However, there will be an optional additional assignment at the end of the semester which a student can choose to complete if he/she wants to drop his/her lowest assignment score.

11. PROJECT
One of the themes of this course is that achieving a sustainable future will require a change in lifestyles, particularly of those living in developed countries. These lifestyle changes will be needed to accommodate the impact of both rapidly rising population and consumption per person. Green lifestyles need to incorporate two key features: they are environmentally superior to existing lifestyles, and they cost no more (or not much more) than existing lifestyles. The second feature is required to get people to adopt these lifestyles widely to have a positive impact on environmental quality. Changes in lifestyles can only occur with changes in values that can be brought about with a more informed population or through government policies.
This project will ask students to explore potential for lifestyle changes dealing with transportation. Some examples are: improvements in bus service leading to a reduction in car trips, carpooling lanes, carpool apps, pedestrian friendly sidewalks, rent a bike, bike lanes, a website to match people interested in carpooling etc. Students will determine both the environmental and economic benefits from their proposed change in technologies, integrating the theories that have been presented to them in class with their real life observations and research.

12. PROJECT GRADING SCALE FOR UNDERGRADUATE STUDENTS

- Research Plan draft 1 due on BB Friday February 17 at 11pm: 10 points
- Mid-project evaluation (completed in class): 5 points
- Research Plan draft 2 due on BB Friday March 3 at 11pm: 10 points
- Summarize 4 assigned articles (completed with your partner) by 11 pm on Friday March 17 at 11pm (one paragraph summary per article): 10 points
- Post final video projects on Dropbox by 11pm on Friday March 31: 80 points
- Peer review of video projects due on BB (completed individually) at 11pm on Friday April 7: 25 points

13. TENTATIVE COURSE OUTLINE
I. Introduction: How economics and sustainability relate, Introduces sustainable development, distinguishes it from growth, describes the consumption that drives the industrial economy,
II. Economic Growth: World Economy: Convergence, Interdependence, and Divergence, Inequality, Urbanization
III. Demography: Population and Population Transitions
IV. Sustainable Development: measuring sustainable development, overconsumption; happiness and income.
V. Topics in Sustainability: Energy, transportation, non-renewable resources, oil markets, renewable resources, climate change.
VI. If time permits: Global Food Supply, Fisheries.