

COURSE SYLLABUS

Institution:	Boğaziçi University, School of Applied Disciplines
Department:	Department of Tourism Administration
Course:	TRM 522 – Environment, Sustainability and Tourism
Term:	Spring 2018-2019
Prerequisites:	Not available
Class meetings:	Tuesday 10.00-13.00
Instructor:	Sevil Acar Aytekin
Office hour:	By appointment
Instructor contact details:	E-Mail: sevil.acar@boun.edu.tr

AIM OF THE COURSE

The aim of this course is to provide the student with a framework for understanding the key issues of environment and sustainability. The topics to be covered are as follows: Problems associated with the life-support systems and the environment. The role of human factor in changing the environment; interactions between tourism and the environment; analysis of relationships between the natural environment, the local economy, and tourism. Approaches in environmental accounting, ecological footprint and sustainable tourism management.

LEARNING OBJECTIVES

By the end of the course the student should:

1. Understand the key issues related to the environment, sustainability and tourism
2. Be ready to apply the key concepts learned in class to real life

METHOD OF INSTRUCTION

The method of instruction is based on interactive learning which greatly benefits from the interaction between the students and the instructor, and the active participation of the students during the lectures and discussions. Living examples, videos, etc. will be discussed in class aimed at having students relate the conceptual material to real life situations in the industry.

COMMUNICATION

E-mailing is preferred as the method of communication. Each student will maintain an updated e-mail address in their Boğaziçi records and is required to check their e-mail at least once a week. Class announcements will be made both in class and via e-mail. Class resources will also be uploaded in the MOODLE system.

ACADEMIC INTEGRITY

The very nature of higher education requires that students adhere to accepted standards of academic integrity. Violation of academic integrity may be defined to include the following: cheating, plagiarism, falsification and fabrication, abuse of academic materials, complicity in academic dishonesty, and personal misrepresentation.

It is the student's responsibility to be aware of the behaviors that constitute academic dishonesty.

Violating the standards of academic integrity will result in getting an "F" from the course and necessary disciplinary action will be taken according to the Boğaziçi University's regulations.

TEXTBOOK:

T. Tietenberg and Lewis, L. *Environmental & Natural Resource Economics*, 10th edition, Pearson.

R. Perman, Y. Ma, J. McGilvray and M. Common. *Natural Resource and Environmental Economics*, 4th edition, Pearson Education, Harlow.

R. Hahnel (2011) *Green Economics: Confronting the Ecological Crisis*, M.E. Sharpe.

EVALUATION POLICY

Grading	Midterm	40%
	Assignment	20% (including a presentation in class)
	Final	40%
Participation Bonus:		+ (0 – 10) points

Grading system	AA 90-100	BA 85-89	BB 80-84	CB 75-79
	CC 70-74	DC 65-69	DD 60-64	F 59 or less

In order to be admitted to the final exam a student is required to have completed and handed in the assignment.

ASSIGNMENT

Each student will be assigned a piece of homework on environmental indicators, which is worth 20% and should be presented in class (*date to be announced*). This piece will help you grasp the course material covered in class and will be very helpful in preparing for the exams. You will have one-to-one meetings with me to discuss the time schedule and development of your homework.

ATTENDANCE & PARTICIPATION

%70 attendance to class is compulsory. At the same time, a bonus of maximum 10 points will be awarded to students based on both their participation.

WEEKLY SCHEDULE

1	12 Feb	Introduction to Environment, Sustainability and Tourism
2	19 Feb	Tools and Basic Concepts
3	26 Feb	Valuation of the Environment
4	5 March	The Quest for Sustainable Development; Environmental Kuznets Hypothesis
5	12 March	Measuring Welfare & Well-Being with the help of Green Accounting
6	19 March	Presentations
7	26 March	Midterm Exam
8	2 April	Climate Change
9	9 April	Economics of 2°C, COP21 Paris and Beyond
10	16 April	Energy: The Transition from Fossil Fuels to Renewable Resources
11	23 April	<i>Spring Break</i>
12	30 April	Environmental Sustainability as a Business Strategy; Sustainable Tourism
13	7 May	Ecological Footprint and Tourism Practices
14	?? May	Final exam (<i>to be announced</i>)

Weekly Readings and Documentaries

Week 1 *Introduction to Environment, Sustainability and Tourism*

Read: Tourism and environment slides. Also read: Tietenberg chp 1; Perman et al. chp 3

Week 2 *Tools and Basic Concepts*

(Externalities, Trade-offs, Benefit–Cost Analysis, Other Decision-Making Metrics)

Read: Tietenberg chp 2 and 3; Perman et al. chp 11

Hardin, G. (1968) "The Tragedy of the Commons" *Science*, 162(3859): 1243-1248

Hardin on tragedy of commons on Youtube: <https://www.youtube.com/watch?v=g8yOamWq3a0>

Week 3 *Valuation of the Environment*

Read: Tietenberg chp 4; Perman et al. chp 12; Tietenberg chp 13

IPBES (2013). Conceptual framework for the Intergovernmental Science Policy Platform on Biodiversity and Ecosystem Services.

IPBES (2015). Preliminary guide regarding diverse conceptualization of multiple values of nature and its benefits, including biodiversity and ecosystem functions and services. Available at http://www.ipbes.net/sites/default/files/downloads/IPBES-4-INF-13_EN.pdf (pg. 10, 12, 13, 14, 21)

Week 4 *The Quest for Sustainable Development; Environmental Kuznets Hypothesis*

Read: Tietenberg chp 20; EKC_hypothesis slides; Degrowth slides on Moodle

[Robin Hahnel, What on Earth is Sustainable Development, in *Green Economics*, M. E. Sharpe, 2011. READ pp. 38-48.](#)

Dinda, Soumyananda. (2004). "Environmental Kuznets curve hypothesis: a survey". *Ecological Economics* 49(4): 431-455.

Stern, David (2004) "The Rise and Fall of the Environmental Kuznets Curve" *World Development*, 32(8): 1419-1439.

Kallis, G. (2011) "In Defence of Degrowth" *Ecological Economics* 70: 873-880

Week 5 *Measuring Welfare & Well-Being with the help of Green Accounting*

Read: Acar's notes on "Genuine saving as a sustainability indicator within the context of green accounting" on Moodle

Lindmark, M. and Acar, S. 2013. Sustainability in the Making? A Historical Estimate of Swedish Sustainable and Unsustainable Development 1850-2010, *Ecological Economics*, Volume 86, February, Pages 176-187.

Acar, S. and Gültekin-Karakaş, D. 2016. "Questioning Turkey's 'miracle' growth from a sustainability perspective", *Journal of Environment and Development*, Vol. 25(2): 131–158.

Week 6 Presentations

Week 7 Midterm

Week 8 *Climate Change*

Read: Tietenberg chp 16

How global warming works: <http://www.howglobalwarmingworks.org/in-under-5-minutes-ab.html>

Global Warming 101, available at:

<http://video.nationalgeographic.com/video/101-videos/global-warming-101?source=relatedvideo>

What is really warming the world? available at: <http://www.bloomberg.com/graphics/2015-whats-warming-the-world/>

IPCC Fifth Assessment Report Synthesis Report Presentation available at:

<https://www.youtube.com/watch?v=LXlw3ZggmXc>

IPCC Reports available at:

<https://www.ipcc.ch/reports/>

IPCC 1.5 °C Report (Special Report on Global Warming of 1.5 °C) available at:

<https://www.ipcc.ch/sr15/>

Hamilton, J., Maddison, D.J. and Tol, R.S.J. 2005. "Climate change and international tourism: A simulation study", *Global Environmental Change*. DOI: 10.1016/j.gloenvcha.2004.12.009

Week 9 *Economics of 2°C, COP21 Paris and Beyond*

Read: Week 9 slides on the history of climate negotiations, INDCs & Turkey

Turkey's Official INDC Document:

http://www4.unfccc.int/submissions/INDC/Published%20Documents/Turkey/1/The_INDC_of_TURKEY_v.15.19.30.pdf

Voyvoda, Ebru and A. Erinç Yeldan (2015) "*Low Carbon Development Pathways for Turkey*"

Istanbul Policy Center and WWF-Turkey, October. Available at:

https://yeldane.files.wordpress.com/2014/09/wwf-report_eng_2015.pdf

Gore, Timothy (2015) "Extreme Carbon Inequality: Why the Paris climate deal must put the poorest, lowest emitting and most vulnerable people first", Oxfam International. Available at:

<http://policy-practice.oxfam.org.uk/publications/extreme-carbon-inequality-why-the-paris-climate-deal-must-put-the-poorest-lowes-582545>

The History of Climate Change Negotiations in 83 seconds, available at:

<http://www.filmsforaction.org/watch/the-history-of-climate-change-negotiations-in-83-seconds/>

Week 10 *Energy: The Transition from Fossil Fuels to Renewable Resources*

Read: Tietenberg chp 7

Acar, S., Kitson, L. and Bridle, R. 2015. Subsidies to Coal and Renewable Energy in Turkey. *Global Subsidies Initiative Report*, March 2015. Available in English at: http://www.iisd.org/gsi/sites/default/files/ffsandrens_turkey_coal_eng.pdf & in Turkish at: http://www.iisd.org/gsi/sites/default/files/ffsandrens_turkey_coal_tk.pdf

Şahin, Ü., Aşıcı, A.A., Acar, S., Gedikkaya Bal, P., Karababa, A.O., Kurnaz, L. 2015. Kömür Raporu: İklim Değişikliği, Ekonomi ve Sağlık Açısından Türkiye'nin Kömür Politikaları [Coal Report: Turkey's Coal Policies Related to Climate Change, Economy and Health], Sabancı Üniversitesi İstanbul Politikalar Merkezi. <http://ipc.sabanciuniv.edu/wp-content/uploads/2015/11/Komur-Raporu.pdf> & <http://ipc.sabanciuniv.edu/wp-content/uploads/2016/01/CoalReport.pdf> (available in both English & Turkish)

Acar, Sevil and A. Erinç Yeldan (2016) "Environmental Impacts of Coal Subsidies in Turkey: A General Equilibrium Analysis", *Energy Policy*, Vol. 90, Pages 1-15.

Week 11 *Spring Break*

Week 12 *Environmental Sustainability as a Business Strategy; Sustainable Tourism Forms*

Read: Tietenberg chp 13, pg. 360: Ecotourism

International Institute for Sustainable Development (IISD) (1992). "Business strategies for sustainable development" in conjunction with Deloitte & Touche and the World Business Council for Sustainable Development.

Week 13 *Ecological Footprint and Tourism Practices*

Wackernagel, M., Monfreda, C., Schulz, N.B., Erb, K.H., Haberl, H., Krausmann, F. (2004). "Calculating national and global ecological footprint time series: resolving conceptual challenges", *Land Use Policy*, 21(3), 271–278.

Aşıcı, A.A. and Acar, S. 2017. "Nature and Economic Growth in Turkey: What Does Ecological Footprint Imply?" *Middle East Development Journal (MEDJ)*. Vol. 9(1):101-115. Routledge. DOI:10.1080/17938120.2017.1288475

Aşıcı, A.A. and Acar, S. (2016). Does income growth relocate ecological footprint?, *Ecological Indicators*, Volume 61, Part 2, February 2016, Pages 707–714.

Hunter, C. (2002). Sustainable Tourism and the Touristic Ecological Footprint, *Environment, Development and Sustainability*. 4(1):7-20. doi:10.1023/A:1016336125627

Final exam (Date TBA)