

SYLLABUS – CLIMATE CHANGE CASE STUDIES AROUND THE GLOBE

BY: FAZILA DERYA AGIS, PH.D.

The aim of this course is to teach students to prepare case studies based on environmental issues and climate change from sociological perspectives.

Week – 1: Introduction: Climate Change around the Globe

Resource: Crate, Susan A. "Climate and Culture: Anthropology in the Era of Contemporary Climate Change." *Annual Review of Anthropology* 40, no. 1 (2011): 175-94.
doi:10.1146/annurev.anthro.012809.104925.

Essay-writing: How can climate change influence cultures, languages, and social structures?

Week – 2: Climate Change and Law

Resources: (1) London School of Economics and Political Science. Database. Climate Change Laws of the World. Web: <http://www.lse.ac.uk/GranthamInstitute/climate-change-laws-of-the-world/>

(2) Columbia Law School. Sabin Center for Climate Change Law. Web: <http://columbiaclimatelaw.com/resources/climate-change-laws-of-the-world-2/climate-change-laws-of-the-world-database/>

Quiz on legal issues related to climate change

Week – 3: Climate change and Society: an introduction

Resources: (1) Marino, Elizabeth. 2015. *Fierce Climate, Sacred Ground: An Ethnography of Climate Change in Shishmaref, Alaska*. University of Alaska Press.

(2) Davis, Mike. 2001. *Late Victorian Holocausts: El Nino Famines and the Making of the Third World*. Verso

Essay: How can climate change influence the cultural values of a society?

Week – 4: A case study: the Mayan civilization: Climate change in the Americas

Resources: (1) Douglas, Peter M J et al. "Drought, agricultural adaptation, and sociopolitical collapse in the Maya Lowlands" *Proceedings of the National Academy of Sciences of the United States of America* vol. 112,18 (2015): 5607-12.

(2) Marx, W, R Haunschild, and L Bornmann. "The Role of Climate in the Collapse of the Maya Civilization: a Bibliometric Analysis of the Scientific Discourse." *Climate*. 5.4 (2017). Print.

Essay: What were the environmental reasons for the collapse of the Mayan civilization? Why?

Week – 5: Case study: Effects of the Climate Change to the Alaskan Society: students will conduct group work and present the theme via interactive presentations and games

Resource to read: Hamilton, Lawrence C et al. "Climigration? Population and climate change in Arctic Alaska" *Population and environment* vol. 38,2 (2016): 115-133.

Week – 6: Hurricane Katrina and Its Aftermath: Climate change in the U.S.

Resources: (1) Bullard, Robert D., and Beverly Wright. 2018. *Race, place, and environmental justice after Hurricane Katrina: struggles to reclaim, rebuild, and revitalize New Orleans and the Gulf Coast*.

https://nls.idls.org.uk/welcome.html?ark:/81055/vdc_100057644100.0x000001.

(2) United States. 2006. *Hurricane Katrina*. [Silver Spring, Md.]: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration. <http://www.katrina.noaa.gov/>.

Essay: Lessons Learned after Katrina

Week – 7: Tsunami in Asia

Resource: Stewart, Gail B. 2005. *Catastrophe in Southern Asia: the tsunami of 2004*. Detroit: Lucent Books.

Quiz on the relationship between climate change and continents

Week – 8: Earthquakes in the Middle East

Resource: Lawrence Livermore National Laboratory, and United States. 1997. *Seismic discrimination between earthquakes and explosions in the Middle East and North Africa*. Washington, D.C.: United States. Dept. of Energy. <http://www.osti.gov/servlets/purl/610742-XRGYj0/webviewable/>.

Student presentations

Week – 9: Climate Change in Europe

Resources: (1) Alcamo, Joseph, and Jørgen E. Olesen. 2012. *Life in Europe under climate change*. Chichester: Wiley-Blackwell.

(2) Leggewie, Claus, and Franz Mauelshagen. 2018. *Climate change and cultural transition in Europe*. <http://booksandjournals.brillonline.com/content/books/9789004356825>.

Week – 10 Student role plays about the affects of climate change around the globe

Week – 11 Summary and final tests

GRADING and EVALUATION

10% participation

10% peer reviews

30% midterm

10% project presentation: preparation of a case study

40% final project: preparation of a case study