



**Course:** EES1122H: Environmental Security and Sustainable Development  
**Class Day:** Monday, Evening 7:00-9:00 PM  
**Professor:** Dr Monirul Mirza  
**Email:** ees1122h@gmail.com  
**Office Hour:** 5:30 to 6:30 PM Monday (Zoom Meeting)

### **COURSE DESCRIPTION**

(1) Major environmental challenges the planet earth is now facing; (2) How human interventions that are deteriorating global environment and affecting sustainable development; (3) analysis of major environmental initiatives which include: the Stockholm Conference on Human Development, World Commission on Environment and Development (WCED), the 1992 Rio Earth Summit/United Nations Conference on Environment and Development (UNCED) and the Rio Agreements, the Johannesburg World Summit on Sustainable development, Montreal Protocol on Ozone Depletion, Kyoto Protocol, 2015 Paris Climate Agreement and other global conventions, protocols and processes and their usefulness; (4) North-south and South-south cooperation in facilitating global environmental security and sustainable development.

### **COURSE OBJECTIVES**

The students will be introduced to major environmental security issues of the planet earth and their linkages with sustainable development. The provided information will also allow them to understand the background of major environmental initiatives and their effectiveness. Students will also apply statistical and programming techniques to calculate Gini Coefficient, development indices, population modeling, water security modeling, environmental Kuznets curve and designing a solar home system. They will also learn how to review a scientific journal article and will debate in the class on a critical environmental issue our world is facing now or take part in an online discussion.

### **SCHEDULE for Fall 2021**

- Class #1: Introduction to the Course
- Class #2: Development & Sustainable Development
- Class #3: The Population Issues
- Class #4: Poverty & Food Security Issues
- Class #5: Water and Energy Security & Development
- Class #6: The Threatened Ecosystem: Major Findings  
of the Millennium Ecosystem Assessment (MA) and other initiatives
- Class #7: Climate Change: Water, Food Security and Adaptation

Class #8: Class Debate  
Class #9: Class Presentation on critique of a peer reviewed journal article  
Class #10: Multilateral Environmental Agreements  
Class #11: Final wrap up and Essay Submission

## **EVALUATION**

- Take-Home Quiz (15%)
- Four data analysis assignments (20%)
- Class Presentation (Critique of a Peer Reviewed Article) (15%)
- Debate/Online Discussion (15%)
- Essay (35%; 10% proposal +25% the essay)

Evaluation will be carried out in accordance with the Graduate Grading and Evaluation Practices Policy (and how that policy is interpreted and applied in this Dept.)

<http://www.governingcouncil.utoronto.ca/Assets/Governing+Council+Digital+Assets/Policies/PDF/grading.pdf>

## **EMERGENCY PLANNING**

Students are advised to consult the university's preparedness site (<http://www.preparedness.utoronto.ca>) for information and regular updates regarding procedures relating to emergency planning.

## **ACCESSIBILITY NEEDS**

The University of Toronto is committed to accessibility. If you require accommodations for a disability, or have any accessibility concerns about the course, the classroom or course materials, please contact The UTSC Accessibility Services as soon as possible. <http://www.utsc.utoronto.ca/~ability/>

We also suggest you also refer to the following University of Toronto Scarborough Library link:

<http://utsc.library.utoronto.ca/services-persons-disabilities>

## **PLAGIARISM**

University of Toronto code of Behaviour on Academic Matters states that "it shall be an offense for a student knowingly: to represent as one's own any idea or expression of an idea or work of another in any academic examination or term test or in connection with any other form of academic work, i.e., to commit plagiarism."

For accepted methods of standard documentation formats, including electronic citation of internet sources please see the UofT writing website at: <http://advice.writing.utoronto.ca/using-sources/documentation>.

The full Code of Behaviour regulations could be found from consulting <http://www.sas.utoronto.ca/facultyandstaff/Pages/Academic-Integrity.aspx>

## **WRITING AND ENGLISH LANGUAGE**

As well as the faculty writing support, please see English Language and writing support at University of Toronto: <http://www.sgs.utoronto.ca/currentstudents/Pages/English-Language-and-Writing-Support.aspx>

Students have commented that they found the latter address extremely helpful for writing term papers.

The following are also useful:

Sylvan Barnett, *A Short Guide to Writing About Art*. 5-7th edition (New York: Harper-Collins, 1997)  
William Strunk Jr., E.B. White. *The Elements of Style* (New York: MacMillan Publishing)

## **LATE WORK**

Late submission will result in a penalty (5% per day) unless you have an approved extension.

## **READINGS**

Reading materials specific to each class are supplied to the students.

For Reference Only  
Uoft Copyright