

COLLEGE OF ENGINEERING HONORS SYLLABUS

COURSE: CE/EEE 355: Engineering Environmental Sustainability

ACADEMIC PERIOD: Spring 2021

HONORS CONTRACT OBJECTIVES

Students honors contracting the CE/EEE 355 course will complete all the material seen in the original syllabus for this course in addition to completing an end of semester project that relates to the units discussed in class. The project objective is to analyze/discuss the life cycle environmental footprints of food consumption based different countries dietary patterns and its sustainability implications.

The project focuses on units B, C, and D of the course (Food, Energy, and Water). The student will analyze the dietary pattern of various countries and calculate each country's four environmental footprints: Nutrition, Water, Energy and Carbon Emissions. There will be two primary data sources for this project:

- Source A: Provides the dietary pattern and related information for various countries around the world
- Source B: An environmental footprint calculator that takes the various consumables (e.g. beef, water, energy) to calculate such information

HONORS CONTRACT DELIVERABLES

The student is expected to submit a Microsoft Excel spreadsheet which contains all of the information and calculation regarding the environmental footprints. In addition to the spreadsheet, a document explaining the findings along with its related factors and implications must be submitted as well.

HONORS CONTRACT DEADLINES

This project will be assigned during the Food Unit (Week 4) and is expected to be completed and submitted by the Friday of Dead Week.

HONORS CONTRACT EXPECTATIONS

The student is expected to meet with the professor triweekly to discuss the project as well as the progress made. More information will be given regarding the project closer to its start date in addition to other source materials.

HONORS GRADING SCHEME

The project is worth 20% of the overall grade for this course. The grading scale from A to D- will remain the same.

Projects/Assessments

Course Breakdown (%)

CE/EEE 355 Standard Course Work	80
Honors Semester Project	20
Total	100