

Environmental Chemistry Topics: Energy, Food, and Emerging Contaminants - UNT.229UF



Fulbright Guest Professor: Vivian Feng,
Augsburg University, Minneapolis, Minnesota, USA

Course Introduction:

This topic course aims to provide students with an opportunity to apply their disciplinary technical knowledge in chemistry, physics and environmental sciences in evaluating environmentally-relevant issues of sustainability in the modern society. We will examine issues in energy and food productions, as well as emerging contaminants, analyze primary scientific literature, and read essays on opposing views debating issues in environmental sustainability and fulfilling the needs in the modern society. The course is aimed to provide a chemistry-focused perspective on environmental and global sustainability issues.

Course objectives:

The main learning objectives of the course are:

- To develop an appreciation for the complexity of environmental systems, and to begin to solve problems (think sustainability) within that complexity
- To develop and apply scientific literacy in the context of environmental issues
- To appreciate and apply interdisciplinarity in the context of environmental science
- To develop and demonstrate critical thinking skills on complex environmental issues through written and oral communication

Online -Course – Schedule: To be determined