This syllabus is subject to modification and exact lecture topics will be determined as we make progress through the course. However, this will provide for you an overview of what to expect.

**Course Overview**

Roughly 40% of our Earth’s land surface is devoted to agriculture. Grasslands have been plowed over for industrial sized farming operations; forests have been razed to make fuel and high-value commodities. The food we eat has a significant environmental impact, and, in turn, our food system stands to be tested with a changing environment. Food Production and Climate Change provides an overview of our current global food system embedded within larger environmental systems that it both impacts and depends on. We will explore the evolution of intensive food production, specifically in how humans have changed the land surface, and the environment, in order to meet increasing food demand. We will also learn how climate change, and the associated extreme events and variability, will challenge our ability to grow and harvest crops in a timely fashion to meet nutrition standards across the world. The impacts of climate change on food production vary largely across geographic, economic and even gender space. Finally, this course will review the environmental footprint of emerging food movements, their efficacy, and a host of alternative future food production trajectories that promise a range of environmental, socio-economic and nutritional impacts.