GLOBAL FOOD SECURITY (005GS)

Dr Pedram Rowhani

Why take this module?

Because you eat and drink multiple times a day and that simple action has one of the biggest impact on our planet.

Because it is an interdisciplinary module.

Because food is the biggest challenge that humanity faces.

Because billions of people are malnourished

What's the module about?

Level 6, 30 credit

We mainly focus on the following questions:

- As we are producing so much food, why are there so many people suffering from obesity while many are hungry?
- How can we develop a sustainable food system?

By the end of the module, you should be able to:

- discuss and analyse the complexity of the current food system, from seed to the plate, from the local to the global
- describe the various metrics, definitions and dimensions of food security and highlight their limitations and strengths by using current research literature research,
- appraise in detail scientific papers by assessing their significance, assumptions, and limitations of arguments
- work in a group environment to formulate arguments, develop and share ideas, reflect critically on scientific papers, and communicate to various audiences.

How will it be taught?

- Weekly 3-hour workshops
- Student-led seminars & Guest speakers
- Examples of key topics that we will try to cover:
  - What is food security?
  - Impact of climate change: mitigation and adaptation potential of agriculture
  - Deforestation, pesticides, biodiversity and other environmental issues
  - Famines and hunger
  - Food waste
- Assessment
  - Coursework (50%):
    - 20% 15-min Group Presentation
    - 30% Reflective Journal & Participation
  - 2-hour Policy Brief (50%)

Who am I?

- Dr. Pedram Rowhani

  I like eating food and my research focuses on global land use dynamics and the interaction between human society and their environment. I am currently working on the impacts of natural hazards on agriculture, the environmental and nutritional outcomes of the Common Agricultural Policy, mapping global irrigated areas, and land use change driven by Quinoa in Bolivia.

- Questions?

  Email: p.rowhani@sussex.ac.uk (or see me in my office in Chichester 1).