

BSHND 410: GLOBAL FOOD ISSUES

Course Learning Outcomes:

- To acquaint knowledge about global food issues having impact on food and nutrition security
- To understand the role of global organizations in food production, consumption and trade
- To study the impact of climate change and other threats on global food availability

Content-Theory:

1. Introduction

- World food situation;
- Food and nutrition security;

2. The green revolution:

- Worldwide post-harvest losses;

3. Global malnutrition:

- Protein energy malnutrition and hidden hunger;
- Overweight & obesity;
- Worldwide food price fluctuations;
- Importance of per capita earning, consumption and purchase power;
- Irrational food consumption behaviour;
- Contribution of cereals, legumes, roots, tubers and animal products;
- World food policy;
- Wto's trade regulations;
- Food bioterrorism

4. International food laws:

- European and American;
- Potentials of modern biotechnology to combat food insecurity;
- Genetically modified foods.
- Organic, Kosher and Halal Foods;
- Millennium development goals to sustainable development goals.
- Global Trends.
- Climate change.

Teaching-Learning Strategies:

Teaching will be a combination of class lectures, class discussions, and group work. Short videos/films will be shown on occasion.

Assignments:

The sessional work will be a combination of written assignments, class quizzes, presentation, and class participation/attendance.

Assessments and Examination:

Sessional Work: 25 marks

Midterm Exam: 35 marks

Final Exam: 40 marks

Recommended Readings:

1. Barbosa-Canovas, G., Mortimer, A., Lineback, D., Spices, W., Buckle, K. & Colonna, P. (2009). Global Issues in Food Science and Technology. Academic Press, Elsevier Inc., Burlington, MA, USA.
2. Barrientos, S. & Dolan, C. (2006). Ethical Sourcing in the Global Food System. Earthscan, New York, USA.
3. Hajra, M.A. (2013). Global Food Security: Emerging Issues and Economic Implications. Nova Science Publishers, New York, USA.
5. Oosterveer, P. (2007). Global Governance of Food Production and Consumption: Issues & challenges. Edward Elgar Publishing Inc., Massachusetts, USA.
6. Phoenix, L.E. & Walter, L. (2009). Critical Food Issues: Problems and State of the Art Solutions Worldwide, Vol. I & 2. ABC-CLIO, LLC, Santa Barbara, California, USA.