

GENERAL ELECTIVE – GEOGRAPHY OF FOOD SECURITY (GE 20)

Course title & Code	Credits	Duration (per week)			Eligibility Criteria	Prerequisite
		Lecture	Tutorial	Practical/Practice		
Geography of Food security (GE 20)	4	3	1	0	Class 12th	NIL

Learning Objectives: The course addresses SDG 2 Zero hunger and aims to:

- Understanding geographical dimensions of food security
- Critically analysing indicators used to determine food and nutrition security.
- Learn the basic strategies to mitigate food insecurity at different scales
- In-depth knowledge of issues, challenges and programmes associated with food security in the world and in India

Learning Outcomes:

Upon completion of this course, students will be able to:

- correlate poverty, hunger, malnutrition, diseases, and gender with food security
- recognize the role of both national self sufficiency and international organizations in eliminating food and nutrition insecurity
- know the best approaches and strategies to eradicate hunger and food insecurity
- gain in-depth knowledge of the issues, challenges and programmes associated with food security in India

Course Outline:

- **Unit-1 Food security (15 hours):** Definition and concept of Food security and insecurity, Nutrition security, Food sovereignty, zero hunger, Factors affecting food security.
- **Unit-2: Geographical Approaches to food security (15 hours):** Food Availability, Income-based, Basic Needs, Entitlement, Sustainable Livelihood, Human development and capability approach to food security
- **Unit-3: Global Issues and Challenges to Food Security (15 hours):** Climate Change and food insecurity, Globalization and sustainability of food supply, GM crop and food security, socio-spatial issues in attaining food and nutritional security.
- **Unit-4: Global Pattern and Policies (15 hours):** Global Hunger Index (GHI), International Organisations involved in ensuring Food Security, FAO food security policies; Food security in India-Challenges of food security in India, Government of India programs and initiatives, National Food Security Act (NFSA)

Tutorial exercises will include discussion of specific readings, presentations with specific reference to SDG 2: Zero Hunger

Readings:

- FAO. 2022. The State of Food Security and Nutrition in the world, accessed from <https://www.fao.org/publications/sofi/2022/en/>
- M.S. Swaminathan, 2016, Combating Hunger and Achieving Food security, Cambridge University Press, Delhi
- FAO, 2015, Climate change and food security: risks and responses, accessed from <https://www.fao.org/3/i5188e/i5188E.pdf>
- Zhang-Yue Zhou, 2019, Global Food Security What Matters? Routledge, New York
- John Krebs, 2013, Food a very Short Introduction, Oxford
- Sanjeev Kumar, 2020, The State of Indian Agriculture: Agricultural Productivity, Food Security and Climate Change, SAGE Publications Pvt Ltd, New Delhi
- FAO Food security and sovereignty accessed from <https://www.fao.org/3/ax736e/ax736e.pdf>
- World Bank Group, 2018, Atlas of Sustainable Development Goals 2018 From Development Indicators accessed from <https://documents1.worldbank.org/curated/en/590681527864542864/pdf/126797-PUB-PUBLIC.pdf>
- The National Food Security Act, 2013, Professional Book Publishers, Delhi
- A Human Development and Capability Approach to Food Security: Conceptual Framework and Informational Basis | United Nations Development Programme (undp.org). Accessed from: <https://www.undp.org/africa/publications/human-development-and-capability-approach-food-security-conceptual-framework-and-informational-basis>

GENERAL ELECTIVE – GEOGRAPHY OF SETTLEMENTS (GE 21)

Course title & Code	Credits	Duration (per week)			Eligibility Criteria	Prerequisite
		Lecture	Tutorial	Practical/Practice		
Geography of Settlements (GE 21)	4	3	1	0	Class 12th	NIL

Learning Objectives: The Course addresses SDG 11 Sustainable cities and communities

The Learning objectives of this course are as follows:

- To introduce the concept of settlement system, geographical linkages and hierarchy. 26