

MANGALORE UNIVERSITY
MSc Geography

HARD CORE COURSE GYH 551: Agricultural Geography

Course Learning Outcomes:

- CO1. Understand the spatial distribution of agricultural phenomena.
- CO2. Analyzing the agricultural practice and cultural development.
- CO3. Evaluate the inter relationship between geographical knowledge and agricultural practice in everyday living.
- CO4. Evaluate the effects of agricultural policy measures in regional disparities.
- CO5. Demonstrate the ability of analysing agricultural problems in their own perspective.
- CO6. Demonstration of appreciation for the contribution of agricultural sector in the economic development.

Course Content:

Unit1: Definition, nature, scope, and significance of agricultural geography; Origin & evolution of agriculture, approaches: Commodity, systematic, regional and systems approaches. –14

Unit 2: Determinants of agriculture: Physical, socio-economic, cultural, institutional, technological and political. Land holding and land tenure systems, land use policy and planning, irrigation and dry-farming, command area development. – 13

Unit 3: Measures of agriculture: Cropping pattern, crop combinations, crop diversification, and intensity of cropping, degree of commercialization, agricultural efficiency and productivity, HYV seeds. Classification of agriculture: Whitley's classification of world agriculture, Von-Thunen's theory of agriculture and its relevant modifications, game theory & decision making. Role of WTO in agriculture. –14

Unit 4: Green revolution, white revolution, blue revolution, yellow revolution, horticulture & floriculture. Agriculture: Sustainable development. Remote sensing & agriculture. Emerging impact on agriculture: Food security, salinization and land degradation. Employment in agricultural sector, use of modern technologies. – 13

Essential Readings

1. Mohammad Shafi (2006): Agricultural Geography, Dorling Kindessley (India) Pvt. Ltd. New Delhi.
2. Negi. B.S. (2003) Indian Agriculture: problems, Progress & Prospects, Vikas publishing house Pvt. Ltd. S. Ansari Road, Daryagani, New -Delhi-2.
3. Majid Hussain (2000): Agricultural Geography, Ed Anmol Publishing Pvt. Ltd. Ansari Road, Daryagani, New Delhi-2.
4. Shafi M. (1999): Agricultural Geography, Kedarnath Ram Nath, 132, RG College road, Meerat UP-1.
5. Singh & Dhillon (2000): Agricultural Geography, Prayog Pustak Bhavan, 20 A, University Road, Allahabad-211002, UP.
6. Jasbir Singh (2001): Agricultural geography, Prayog Pustak Bhavan, 20 A, University Road, Allahabad-211002, UP
7. Memonia CB (1998): Agricultural Problems in India: Prayog Pustak Bhavan, 20 A, University road, Allahabad-211002, UP.

8. Majid Husain (2007): Systematic Agricultural Geography, Rawath Publications, Jawahar Nagar, Jaipur, New Delhi – 92.
9. Goh Cheng Leong & Gillian C. Morgan (2009): Human and Economic Geography, Oxford University Press, New Delhi, New York.
10. The Hindu Publications: 2005 to 2010; Survey of Indian Agriculture.

