

| Lecture Plan | | |
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| Name of the College: Government College of Arts, Science and Commerce, Sanquelim - Goa | | |
| Name of Faculty: Ms. Hema Umesh Sawant | Subject: Geography | |
| Paper code & paper: GED104 & Agricultural Geography | Program: T.Y.B.A. | Division: |
| Academic year: 2024-25 | Semester: VII | Total Lectures: 40 |
| Course Objectives: <p style="margin-left: 40px;">To familiarise the students with the concepts, origin, and development of agriculture; to examine the role of agricultural determinants towards changing cropping patterns, intensity, productivity, diversification and specialization.</p> <p style="margin-left: 40px;">To discuss environmental, technological and social issues in agricultural sector with special reference to India.</p> | | |
| Course Outcome: By the end of this course, students will be able to: Students will familiarize themselves with the application of various theories, models and classification schemes of cropping patterns and productivity. | | |
| Student Learning Outcome: After completion of this course, students will be able to: <ol style="list-style-type: none"> 1. Understand the basic concepts and principles of agricultural geography. 2. Analyse the spatial distribution and patterns of agricultural activities. 3. Evaluate the importance of agriculture in the Indian economy. 4. Assess the impact of recent trends and reforms in Indian agriculture. 5. Apply geographic concepts to analyse agricultural regions and land use patterns. 6. Understand the role of agricultural planning and policies in India. | | |

| Month | Lecture From | Lecture To | No. of lectures allotted | Topic, Subtopic to be Covered | Exercise/ Assignment | ICT Tools | Reference books |
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| July | 22/07/2024 | 27/07/2024 | 03 per week | Introduction to the Syllabus Definition Definition, Nature & Scope of Agricultural Geography | List out the importance of agricultural geography in understanding the relationship between humans and the environment. | PPT, Google Maps, Videos and Smart Board | Majid Husain, Agricultural Geography (2021) and Agricultural Geography Dr. Alka Gautam (2022) |
| July | 29/07/2024 | 31/07/2024 | | Approaches: Regional approach & Systematic approach | Discuss the impact of differences on agricultural productivity and sustainability. | PPT, Videos, Google Maps and Smart Board | Majid Husain, Agricultural Geography (2021) and Agricultural Geography Dr. Alka Gautam (2022) |
| August | 01/08/2024 | 03/08/2024 | | 03 lectures per week | Commodity approach, Recent approaches | Identify the key similarities and differences in terms of production, | PPT, Videos, Google Maps and Smart Board |

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| | | | | Importance of Agriculture in Indian Economy | processing, marketing, and consumption. | PPT, Videos, Google Maps and Smart Board | Majid Husain, Agricultural Geography (2021) and Agricultural Geography Dr. Alka Gautam (2022) |
| | 05/08/2024 | 10/08/2024 | | | | | |
| | 12/08/2024 | 17/08/2024 | | Recent Trends in Agriculture | Discuss the benefits and challenges of precision agriculture for farmers and the environment. | PPT, Videos and Smart Board | |
| | 19/08/2024 | 24/08/2024 | | The Agricultural Regions of the World: (Whittlesey's Scheme) | Compare two or more different agricultural regions based on Whittlesey's scheme. | PPT, Videos and Smart Board | Majid Husain, Agricultural Geography (2021) and Agricultural Geography Dr. Alka Gautam (2022) |
| | 26/08/2024 | 31/08/2024 | | ISA II Classification of Agricultural Regions: Land use & Land use capability, Land use Efficiency | Classify the different types of land use in the region (e.g., cropland, pasture, forest, urban). | PPT, Videos and Smart Board | Majid Husain, Agricultural Geography (2021) and Agricultural Geography Dr. Alka Gautam (2022) |
| September | 02/09/2024 | 07/09/2024 | 03 lectures per week | Regional Agricultural Specialization: Models/Theories of Agricultural location - Von Thunen Landuse theory, Landuse Analysis in India. | Discuss the factors that influence land use patterns in India (e.g., climate, soil, topography, population, economic development). | PPT, Videos and Smart Board | Majid Husain, Agricultural Geography (2021) and Agricultural Geography Dr. Alka Gautam (2022) |

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| October | 09/09/2024 | 14/09/2024 | 03 lectures per week | Land use pattern: a) Measurements of Agricultural Productivity, | Evaluate the potential for improving crop productivity. | PPT, Videos and Smart Board | Majid Husain, Agricultural Geography (2021) and Agricultural Geography Dr. Alka Gautam (2022) |
| | 16/09/2024 | 21/09/2024 | | Crop Combination Crop Diversification, Delineation of crop combination regions | Identify challenges and opportunities for improving agricultural zoning practices. | PPT, Videos and Smart Board | Majid Husain, Agricultural Geography (2021) and Agricultural Geography Dr. Alka Gautam (2022) |
| | 23/09/2024 | 30/09/2024 | | b) Measurement of Regional Disparities in Agricultural production | Suggest potential policy reforms to reduce regional disparities. | PPT, Videos, Google Maps and Smart Board | Majid Husain, Agricultural Geography (2021) and Agricultural Geography Dr. Alka Gautam (2022) |
| | 01/10/2024 | 05/10/2024 | | Agricultural planning and policies in India, Agro-climatic regions of India | Analyse the agricultural planning process in India, including the key stakeholders and decision-making mechanisms. | PPT, Google Maps, Videos and Smart Board | Majid Husain, Agricultural Geography (2021) and Agricultural Geography Dr. Alka Gautam (2022) |
| | 07/10/2024 | 12/10/2024 | | Green revolution in India; Second generation reforms in Indian agriculture: Land and institutional reforms | Examine the institutional reforms undertaken in Indian agriculture, such as the establishment of agricultural cooperatives, | PPT, Google Maps, Videos and Smart Board | Majid Husain, Agricultural Geography (2021) and Agricultural Geography Dr. Alka Gautam (2022) |

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| | 14/10/2024 | 19/10/2024 |
| | 21/10/2024 | 22/10/2024 |
| | Component | Max Marks |
| Assessment Rubrics | ISA 1 | 10 |
| | ISA 2 | 10 |
| | Practical | NIL |
| | Project | NIL |
| | Semester End Exam | 80 |

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| | agricultural marketing boards, and agricultural research institutions. List their role in promoting agricultural modernization and efficiency. | | |
| Evergreen revolution; Organic and contract farming. | Identify the challenges and limitations faced in implementing evergreen revolution. | PPT, Videos, Google Maps and Smart Board | Majid Husain, Agricultural Geography (2021) and Agricultural Geography Dr. Alka Gautam (2022) |
| Revision based on the syllabus covered | | | Majid Husain, Agricultural Geography (2021) and Agricultural Geography Dr. Alka Gautam (2022) |