

Course title: Indian Agriculture in a Global Setting				
Course code: MPE 128		No. of credits: 3	L-T-P: 38-4-0	Learning hours: 42
Pre-requisite course code and title (if any): None				
Department: Department of Policy Studies				
Course coordinator: Dr. Shantanu De Roy			Course instructor: Dr. Shantanu De Roy	
Contact details: shantanu.roy@teriuniversity.ac.in				
Course type: Elective			Course offered in: Semester 3	
Course description: The agricultural sector, because of its overwhelming importance in terms of generation of employment and output, has traditionally been an area characterised by very high degree of government intervention. The nature and scope of intervention however varied from country to country. The intervention was indispensable in an economy like India where agriculture inherited a very inequitable socio-economic structure mainly due to the feudal production structure. Unlike the richer counterparts, in India, the support measures for agriculture relied more on broader measures and other price-based policy measures than on fiscally budgeted support payments. The new trade policy regime, following the WTO Agreement on Agriculture, has necessitated major structural changes in the manner in which countries support their agriculture. The present course is being developed against this background. The main objective of this course is to help students in deepening their knowledge on the production conditions of Indian agriculture and its present dynamics in the context of trade liberalisation and agricultural support measures of developed countries.				
Course objectives: Students will develop an understanding on economic and social issues related to the Indian agriculture. They will also understand the relations that exist among different sections of the agrarian population in the process of production and exchange and (unequal) impacts of technological and climatic changes on different sections of the agrarian population in India. They will also be able to analyse, impacts of current globalization, more specifically policies and institutions that are the outcomes of the current phase of globalization on Indian agriculture.				
Course contents				
S.No	Topic	L	T	P
	PART 1: Agricultural Policies and Production Conditions in India			
1	Module 1. Growth and Policies Price Policies Input Subsidies Trends in Growth Public Investment in Agriculture	8		
2	Module 2. Agrarian Relations Land Distribution in Rural India Tenancy Relations Implementation of Land Reforms: Experiences and Contemporary Relevance	6		
3	Module 3. Agricultural Bio-technology, Technology diffusion and Seed Act Genetically Modified Crops Environmental Degradation Cultivation of BT cotton Contract Farming Intellectual Property Rights	6		
4	Module 4. Agriculture and Food Markets Overview of Markets and Marketing Market Structure (perfect and imperfect competition) Institutions Challenges to Food Security Right to Food Act Credit Relations in Rural India	6		
	PART 2: Indian Agriculture in an Increasingly Globalising World			
5	Module 5. WTO and Indian Agriculture Agreement on Agriculture-Export Competition, Domestic Support, Market Access	6	2	

	Implementation of Commitments Impact of WTO on Indian Agriculture <ul style="list-style-type: none"> • Determinants of Market Access (the interplay between tariffs and non-tariff measures (SPS Measures and domestic support) • The Question of a Balance between AoA and NAMA? • Food Security and Livelihood Issues • The Case studies- Indian Mango, etc. 			
6	Module 6. WTO Commitments and Agricultural Support Policies of Developed Countries	6	2	
	Agricultural Support Policies CAP Reforms and US Farm Bills Implementation of WTO Commitments Supply Response of Decoupled Income Payments Agricultural Dumping Dispute Settlement Case study: Brazil's WTO Case against US Cotton Programme			
	Total	38	4	

Evaluation criteria:

1. **Test 1: Written test** [at the end of teaching of module 1] – 20%
2. **Test 2: Submission of a term paper** [at the end of teaching of module 2, 3 and] – 35%
Students will be asked to write an essay (in 2000 words) on a given topic. They will be assessed based on (a) answering the question, (b) maintaining word limit, (c) in-depth understanding of the topic, (d) strength of argument, (e) clarity of argument and (f) proper referencing.
3. **Test 3: Written test** [at the end of the semester, entire syllabus] – 45%

Learning outcomes: By the end of the course, students will:

- Develop critical understanding regarding production and exchange relations in Indian agriculture in different phases of capitalist development.
- Enable to understand the impact of policies, technological and climatic factors at different points of time since Independence on Indian agriculture.

Pedagogical approach

- Critically investigates policy and technological impacts on various socio-economic classes and social and religious groups in rural India.
- The course does not focus on mathematical tools and modelling.
- Class interactions and discussions.

Materials:

Optional textbooks:

Patnaik, Utsa (ed.) (1990), *Agrarian Relations and Accumulation: The Mode of Production Debate in India*, Oxford University Press.
 Ramachandran, V. K. and Swaminathan, M. (eds.) (2002), *Agrarian Studies: Essays on Agrarian Relations in Less-Developed Countries*, Tulika Publishers.
 Mohanty, B. B. (ed.) (2016), *Critical Perspectives on Agrarian Transition: India in the Global Debate*, Routledge.
 Campling, Liam et. al. (eds.) (2013), *Journal of Agrarian Change: Special Issue*, July, 13(3).

Reading materials:

Part 1: Agricultural Policies and Production Conditions in India

Module 1: Growth and Policies

1.1 Price Policies

Bharadwaj, Krishna (1994), *Agricultural Price Policy for Growth: The Emerging Contradictions*, in Byres, T. J. (ed.), *The State, Development Planning and Liberalisation in India*, OUP. New Delhi.

Dev, Mahendra S and Rao, Chandrasekhara N (2010), "Agricultural Price Policy, Farm Profitability and Food Security", Economic and Political Weekly, June 26, XLV (26/27)

1.2 Input Subsidies

Gulati, A. and S. Narayanan (2003), The Subsidy Syndrome in Indian Agriculture, OUP, Delhi, Chapter 6.

Jha, R. (2007), "Investment and Subsidies in Indian Agriculture", ASARC Working Paper, No. 3, Australia South Asia Research Centre, Australian National University, Australia.

[Discusses policy level impacts on the growth process during the pre- and the post-reform periods.]

1.3 Growth trends

Mohan Rao, J. and Storm, Servaas (1998), "Distribution and Growth in Indian Agriculture", in Byres, Terence J., The Indian Economy: Major Debates since Independence, OUP.

1.4 Public Investment

Chand, Ramesh and Kumar, Pramod (2004), "Determinants of Capital Formation and Agricultural Growth: Some New Explorations", Economic and Political Weekly, December 25.

Ramachandran, V. K. and Rawal, Vikas (2010), "The Impact of Liberalization and Globalization on India's Agrarian Economy", Global Labour Journal, 1(1)

[Through these readings, students will be able to understand the growth performances of Indian agriculture during the pre- and post-reform periods.]

Module 2: Agrarian Relations

2.1 Land Distribution in Rural India

Patnaik, Utsa(1991), Agrarian Relations and accumulation-,The mode of production debate in India, OUP, 1990

Rawal, Vikas (2008), "Ownership Holdings of Land in Rural India: Putting the Record Straight", Economic and Political Weekly, March 8.

[Discusses political economy issues related to land ownership in India.]

2.2 Tenancy relations

Rawal, Vikas (2009), "Economic Policies, Tenancy Relations and Household Incomes: Insights from Three Selected Villages in India"

Swain, Mamata (1999), "Agricultural Tenancy and Interlinked Transactions: Neoclassical and Marxist Approaches", part I, Economic and Political Weekly, Vol. 34, No. 37 (Sep. 11-17, 1999), pp. 2657- 2659+2661-2666 and part II, Economic and Political Weekly, Vol. 34, No. 38 (Sep. 18-24, 1999), pp. 2752-2758.

[Discusses various aspects of tenancy contracts in India.]

2.3 Land reforms

Jha, Praveen K. (2002), Land Reforms in India, Vol. 7, Issues of Equity in Rural Madhya Pradesh, Sage Publications, New Delhi.

Thangaraj, M (2004), Land Reforms in India, Vol. 9, Tamil Nadu - An Unfinished Task, Sage Publications, New Delhi.

[Analyses the un-finished agenda of land reform in India.]

Module 3: Agricultural Bio-Technology, Technology Diffusion and Seed Act

Munshi, Kaivan (2004), "Social learning in a heterogeneous Population: Technology diffusion in the Indian Green Revolution", *Journal of Development Economics*, 73:185-213.

[Captures technological diffusion in Indian agriculture.]

Module 4: Agriculture and Food Markets

Ali, Muhamad Jan, and Barbara Harris White (2012), "Three Views About Agricultural Commodity Markets", *Economic and Political Weekly*, December 47(52).

[Analyses interlocked nature of markets in the rural economies and the process of surplus realization.]

PART 2: Indian Agriculture in an Increasingly Globalising World

Module 5: WTO and Indian Agriculture

Dhar, B. (2007), "Agricultural Trade and Protection", *Economic and Political Weekly*, July 14, P. 2904-2909.

Hoda, A. (2002), "WTO Agreement on Agriculture and India", in A. Hoda (ed.) *WTO Agreement and Indian Agriculture*, OUP, Delhi, Chapter 2.

Gulati, A. (2002), "Indian Agriculture in a Globalising World", *American Journal of Agricultural Economics*, 84(3): 754-761.

[Discusses impacts of WTO Agreement on Indian agriculture.]

Module 6: WTO Commitments and Agricultural Support Policies of Developed Countries

Food and Rural Development (2003), *The EU CAP Reform, Context and Implications*, Prepared by Policy Secretariat, Alberta Agriculture, Food and Rural Development, October 20.

Orden, D. (2003), *U.S. Agricultural Policy: The 2002 Farm Bill and WTO Doha Round Proposal*, Trade and Macroeconomics Division Discussion Paper No.109, International Food Policy Research Institute (IFPRI).

Issa, Yasser, Al (2006), *Agricultural Support Policies in EU for Selected Products*, NAPC Policy Brief, No. 15.

FAPRI (2000), *FAPRI Analysis of CAP Reform in the Agenda 2000 Final Decisions*, FAPRI, Mimeo, February

Paggi, M.S. (2002), "Meeting the U.S. WTO Commitments", Paper presented at the Beltwide Cotton Conference, January 11. Source: www.cati.csufresno.edu

Blandford, D. And David, O. (2008), *United States: Shadow WTO Agricultural Domestic Support Notifications*, IFPRI Discussion Paper, 00821, Markets, Trade and Institution Division, IFPRI, Washington.

Adams, G, et al. (2001), "Do Decoupled" Payments Affect U.S. Crop Area? Preliminary Evidence from 1997–2000", *American Journal of Agricultural Economics*, 83(5), 1190-1195.

Beckman, J. and Eric, J.W. (2005), "The Supply Response of U.S. Rice: How decoupled are income payments?", Selected Paper prepared for presentation at the American Agricultural Economics Association Annual Meeting, Providence, Rhode Island, July 24-27, 2005

Young, C.E., and P.C. Westcott. (2000), "How Decoupled is U.S. Agricultural Support for Major Crops?" *American Journal of Agricultural Economics*, 82(3), 762–76.

[Discusses government support policies in the developed countries.]

Additional information (if any):

Student responsibilities: Attendance, feedback, discipline: as per university rules.

Course reviewers: