



TEACHING PLAN: FUNDAMENTALS OF AGRICULTURAL EXTENSION EDUCATION

Name of Faculty- Dr. Jyoti Vishwakarma

SCHOOL: (SOAS) SCHOOL OF AGRICULTURAL SCIENCES		ACADEMIC SESSION: 2023-24		FOR STUDENTS' BATCH: 1 st year 2 nd Semester	
1	Course No.	AEX-T-102			
2	Course Title	Fundamentals of Agricultural Extension Education			
3	Credits	3			
4	Learning Hours	Contact Hours		72	
		Assessment		10	
		Guided Study		18	
		Total hours		100	
5	Course Objective	1. To develop the ability to understand and application of basics of the agriculture. 2. Develop the ability to analyze the evolution and developments in agriculture and allied sectors. 3. To orient the students with the concept of extension education and its importance in agricultural development. 4. To expose the students towards various rural development programmes aimed at poverty alleviation and to increase employment opportunities and their analysis. 5. To orient the students learning about the extension system worldwide and new dimensions of Agricultural Extension in India.			
6	Course Outcomes	1. Acquaint the knowledge on concept, objectives, principles and philosophy of extension management. 2. Develop an understanding on the process, steps, principles and monitoring and evaluation involved in agricultural extension programme development for transfer of technology. 3. Develop the skills about genesis of agricultural extension, extension efforts in pre- and post independence era along with specific agricultural programmes 4. Apply new trends in agricultural extension like private extension, market led extension, expert systems, farmer led extension and cyber extension. 5. Evaluate different facets of rural development programmes, community development programmes, and rural leadership for capacity development of extension clientele. 6. Apply communication strategies using agricultural journalism for innovation, diffusion and adoption of agricultural technology.			
7	Outline syllabus:				
7.01	Paper Code	Unit	Introduction	Page Numbers	Lectures
7.02	AEX-102	Unit I	1. Education: Meaning, definition & Types; Extension Education- meaning, definition, scope and process, objectives and principles of Extension Education;	3-12	1 to 5

			2. Extension Programme planning- Meaning, Process, Principles and Steps in Programme Development. 3. Extension systems in India: extension efforts in pre-independence era (Sriniketan, Marthandam, Firka Development Scheme, Gurgaon Experiment, etc.) and post-independence era (Etawah Pilot Project, Nilokheri Experiment, etc.)		
7.03		Unit II	1. Various extension/ agriculture development programs launched by ICAR/ Govt. of India (IADP, IAAP, HYVP, KVK, IVLP, ORP, ND, NATP, NAIP, etc.). 2. New trends in agriculture extension: privatization extension, 3. Cyber extension/ e-extension, market-led extension, farmer-led extension, expert systems, etc.	45-54	6 to 8
7.04		Unit III	1. Rural Development: concept, meaning, definition; various rural development programmes launched by Govt. of India. 2. Community Dev.-meaning, definition, concept & principles, Philosophy of C.D. 3. Rural Leadership: concept and definition, types of leaders in rural context; 4. Extension administration: meaning and concept, principles and functions.	55-77	9 to 13
7.05		Unit IV	1. Monitoring and evaluation: concept and definition, monitoring and evaluation of extension programmes; 2. Transfer of technology: concept and models, capacity building of extension personnel; extension teaching methods: meaning, classification, individual, group and mass contact methods, ICT Applications in TOT (New and Social Media), media mix strategies; 3. Communication: meaning and definition; Principles and Functions of Communication, models and barriers to communication. 4. Agriculture journalism; diffusion and adoption of innovation: concept and meaning, process and stages of adoption, adopter categories.	85-117	14 to 16
8	Course Evaluation				
8.1	CA (Assignment): 5%				
8.11	Attendance	25%			
8.12	Homework	50%			
8.13	Quizzes	25%			
8.14	Projects				
8.15	Presentation				

8.16	Any other	
8.2	Practicals	15%
8.3	MTE	30%
8.4	End-term examination: 50%	
9	Text Books & References	
9.1	Text book	1. EXTENSION COMMUNICATION AND MANAGEMENT- G. L. Ray 2. FUNDAMENTALS OF AGRICULTURAL EXTENSION EDUCATION - Sagar Mondal
9.2	References	1. DIMENSIONS OF AGRICULTURE EXTENSION - TNAU 2. AGRICULTURAL EXTENSION AND RURAL DEVELOPMENT HANDOUT- Hudu Zakaria
	Video References	1. https://www.youtube.com/watch?v=V0mu0ZVnWfk 2. https://youtu.be/k4HHsTR3vvl 3. https://www.youtube.com/watch?v=z19BhR9hsjU 4. https://www.youtube.com/watch?v=abRCltSjvQ4

Mapping of Outcomes v. Topics

Outcome no. → Syllabus topic↓	1	2	3	4	5
Paper Code. Unit I (1)	✓	✓			
Paper Code. Unit I (2)	✓	✓			
Paper Code. Unit I (3)	✓	✓			
Paper Code. Unit I(4)	✓	✓			
Paper Code. Unit II(1)			✓		
Paper Code. Unit II(2)			✓		
Paper Code. Unit II(3)			✓		
Paper Code. Unit III(1)				✓	
Paper Code. Unit III(2)				✓	
Paper Code. Unit III(3)				✓	
Paper Code. Unit IV(1)					✓
Paper Code. Unit IV(2)					✓
Paper Code. Unit IV(3)					✓

Question Bank

UNIT-I:

A. Objective Questions

1. Extension is a..?

- (a). Two way flow of message.
- (b). 1 way flow of message.
- (c). Both a and b.
- (d). Multi-way flow of message.

2. The role of extension education in India is performed by..?

- (a). State Agricultural University.
- (b). Central Agricultural University.
- (c). Both a and b.
- (d). Krishi Vigyan Kendra.

3. Motivation is a process of..?

- (a). Enhancing the skill of individuals by spring them through the examples of various success stories.
- (b). Initiating a conscious and purposeful action.
- (c). To motivate laggards to get something extraordinary.
- (d). All of the above.

4. By nature, extension teaching is..?

- (a). Horizontal.
- (b). Vertical.
- (c). Vertical – horizontal.
- (d). None of the above

5. Over adoption may occur due to..?

- (a). Sufficient knowledge.
- (b). More knowledge.
- (c). Insufficient knowledge.
- (d). No knowledge.

B. Write short notes on following heads-

1. Alternative education
2. Vocational education
3. Formal education
4. Informal education
5. Transfer of technology

C. Descriptive Questions

1. Discuss the role of Agro-tech kisan mela in rural development.
2. How Etawah Pilot Project helped to solve the problem of unemployment?

3. What is the need of market led extension?
4. Write in brief about Mahatma Gandhi National Rural Employment Guarantee Act (MGNREGA).
5. Who started Shri Niketan project? Briefly discuss its main objectives.

UNIT- II

A. Objective Questions

1. The sensory situation is more in..?

- (a). Interpersonal communication.
- (b). Intrapersonal communication.
- (c). Both a and b.
- (d). None of the above.

2. What is the meaning of Esprit de corps?

- (a). Individual sprit.
- (b). Work sprit.
- (c). Outcome sprit.
- (d). Team sprit.

3. Who is considered as the father of method demonstration?

- (a). F. L. Brayne.
- (b). Albert Mayer.
- (c). J. P. Leagans.
- (d). Dr. Seeman A. Knapp.

4. An extension teaching includes..?

- (a). Convection.
- (b). Desire.
- (c). Action.
- (d). All of the above.

5. Destination is the final product of communication model?

- (a). Berlo's.
- (b). Weaver's.
- (c). Aristotle's.
- (d). Leagans.

B. Write short notes on following heads-

1. Social Mapping
2. Diffusion
3. Adoption of Technology
4. Integrated Agricultural Development
5. Institution village linkage program (IVLP)

C. Descriptive Question

1. What are the various categories of adopters.
2. Describe the role of NAIP in crop and animal improvement.
3. How NGOs contribute towards development of Indian agriculture.
4. Write a note on adoption of drip irrigation for the water efficient agriculture.
5. Write about Marthandam project.

UNIT-III

A. Objective Questions

1. The Method demonstration is a type of..?

- (a). Short.
- (b). Long.
- (c). Both.
- (d). None of the above.

2. Farm and home visits are..?

- (a). Group contact.
- (b). Mass contact.
- (c). Individual contact.
- (d). None of the above.

3. Baster and Benor Scheme is another name of..?

- (a). T and V Programme.
- (b). Lab to Land Programme.
- (c). CDP.
- (d). None of the above.

4. Puppet shows are popular in..?

- (a). Rural areas.
- (b). Urban areas.
- (c). Suburban areas.
- (d). All of the above.

5. Result demonstration includes..?

- (a). Old technology.
- (b). New technology.
- (c). Both a and b.
- (d). None of the above.

B. Write short notes on following head-

1. Agricultural information
2. KVKs (Krishi Vigyan Kendras)

3. Cyber extension
4. Rural development
5. Village Panchayat

C. Descriptive Question

1. List major welfare steps initiated by the Government and other agencies for rural women folk.
2. Suggest some measures for removal of poverty for development of rural areas
3. Discuss the social structure of Indian rural society
4. Extension education is an inter disciplinary subject: Justify.
5. Discuss the role of Indian agricultural universities in rural development

UNIT-IV

A. Objective Questions

1. What is FLD?

- (a). Front Line Demonstration.
- (b). Front Land Development.
- (c). First Linkage Development.
- (d). None of the above.

2. Which was the key component of FLD?

- (a). State.
- (b). Country.
- (c). District.
- (d). Village.

3. Which is not a type of projected visual aid?

- (a). Slide.
- (b). Over head projector.
- (c). Poster.
- (d). Power point slide.

4. What is POSDCORB?

- (a). Communication code
- (b). Seven processes of management
- (c). Administration techniques
- (d). None of the above

5. What is S in POSDCORB?

- (a). Service
- (b). Source
- (c). School
- (d). Staffing

B. Write short notes on following head-

1. Capacity building of extension personnel
2. Community Development
3. Panchayati Raj
4. Extension privatization
5. District Rural Development Agencies (DRDA)

C. Descriptive Question

1. Explain the extension systems in pre-independence and post-independence era in India.
2. Discuss the role of NGOs in rural development. What are the challenges being faced by NGOs in rural development.
3. Explain the impact of extension education on rural development.
4. Explain in detail the methods of communication in extension.
5. Explain the reasons for underdevelopment of Indian agriculture.