ARI 3101 Innovation Systems Management

**Lecturer** Dr. Monica Karuhanga (0772 482483)

**Course Type**: **CORE (BARI III)**

**1. COURSE DESCRIPTION**

**Course Credits (CU)**: **3 CU i.e. 45 Contact Hours per semester**

**Course Description**

The course equips students with knowledge and skills and fosters an appropriate attitudinal environment for innovation process/ systems management for agricultural and rural development. It covers: key concepts related to innovation process/ systems management within the context of agricultural and rural development. Provides a background (overview) to the innovation process/systems management perspective to agricultural and rural development including the importance of networks/partnerships and fostering information exchange information exchange between/among institutions/organizations involved in agricultural and rural development for effective implementation of innovative agricultural and rural development programmes. Offers (practical) skills for facilitating innovation processes and innovation management, and information exchange through contemporary and appropriate agricultural and information between/among institutions/organizations involved in agricultural and rural development and the target communities. Highlights the challenges and implications of networking underlining the need for partnering the institutions/organizations to play their respective roles while respecting the individual rights of their institutions/organizations (target communities)

**2. COURSE OBJECTIVES**

**Overall course objective:**

 **Overall,** the course aims to provide students with knowledge, skills and attitudes for effective innovation process/ systems management for agricultural and rural development

**Specific objectives of the course**

By the end of the course, students will be able to:

* Explain concepts: innovation, system, innovation process/ system, management innovation process/systems management within the agricultural and rural development context
* Understand the background to the innovation process/systems management perspective including the importance of networks/partnerships within agricultural and rural development context
* Identify and foster innovative networks/partnerships between/among institutions/organizations involved in agricultural and rural development
* facilitate in a practical manner innovation processes and innovation process management, and including information exchange between/among institutions/organizations involved in agricultural and rural development
* Identify the challenges of networking and their implications and underlining the need for partnering the institutions/organizations to play their respective roles while respecting the individual rights of their institutions/organizations (target communities)

**3. RECOMMENDED REFERENCES FOR READING**

Critchley, W., Verburg, M. & van Veldhuizen, L. (2006) *Facilitating multi-stakeholder partnerships: lessons from Prolinnova.* Silang, Cavite: IIRR / Leusden: Prolinnova.

Killough, S. (2005) “Farmer participation in agricultural research and extension.” In J. Gonsalves, *et al.* (eds) *Participatory research and development for sustainable agriculture and natural resource management: a Sourcebook.* UPWARD.

Key note address, 2006: CONCEPTUAL AND METHODOLOGICAL DEVELOPMENTS IN INNOVATION. By Neils Roling.

Pascal Sanginga, 2007. Enhancing Partnerships for Enabling Rural Innovation in Africa: Challenges and prospects for institutionalizing Innovation Partnerships

DEVELOPING AND MANAGING COLLABORATIVE ALLIANCES: LESSONS FROM A REVIEW OF THE LITERATURE. *Prepared by Deborah Merrill-Sands and Bridgette Sheridan*

Organizational Change Briefing Note – No. 3, 1996.

Pascal C. Sanginga, Colletah A. Chitsike, Jemimah Njuki, Susan Kaaria

and Rogers Kanzikwera, 2007. Enhanced learning from multi-stakeholder partnerships: Lessons from the Enabling Rural Innovation in Africa programme. Natural Resources Forum 31 (2007) 273–285

Daniel Maselli, Jon-Andri Lys, and Jacqueline Schmid, 2006. Improving Impacts of Research Partnerships. 2nd edition. Swiss Commission for Research Partnerships with Developing Countries, KFPE.

David J. Spielman and Kwaw S, Andam, 2008. Partnerships, Platforms, and Coalitions in Agricultural Innovation. *New Modalities to Accelerate Technological Change, Productivity Growth, and an End to Hunger. http://www.ifpri.org/events/conferences/2008/20080407.asp.*

**4**. **COURSE CONTENT, METHODS OF INSTRUCTION, TOOLS AND EQUIPMENT REQUIRED**

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| **TOPIC** | **CONTENT** | **Methods & Equipment** |
| Definition of terms and concepts (6 hrs) | Innovation; System; Innovation system; Agents ; Knowledge; Sources of knowledge; Interactions; Institutions; Dimensions of analysis – boundary | Bea Beamer and computerCase study materials  |
| **Evolution of Innovation Systems Approaches (6 hrs)** | Origins of the innovation systems conceptEvolution towards agricultural innovation systems (AIS) NARS, AKIS, and agricultural innovation systems compared management of innovation process/systems management within the agricultural and rural development context | Beamer and computerCase study materials |
| **The value of the innovation systems perspective (6hrs)** | Knowledge generation and application in a changing agricultural context Innovation systems and value chainsRelevance to developing agriculture: practical applications of the innovation systems conceptRelevance to policy analysisRelevance to poverty reduction | Beamer and computerCase study materials |
| **Building partnerships for innovation (6hrs)** | Why collaborate?Definitions, types and stages of partnershipsProcess and phases of building partnershipsFactors influencing successPrinciples of partnerships/ Elements of successful partnershipsCoping with challenges of multi-stakeholder partnershipsImplications for organizational change required to foster Partnerships | Beamer and computerCase study materialsVideo material |
| **Facilitating multi-stakeholder partnerships** (6hrs) | Stakeholder analysisTeam building and Conflict managementcommunication | Beamer and computerCase study materialsVideo material |

**5. OVERALL COURSE EVALUATION**

Continuous Assessment Test 40%

Final examination 60%.