

| Course Title | Technology and Innovation Transfer | | | Course Code | BST 41512 | | |
|--------------|------------------------------------|----------|---|-------------|-----------|---------------------------|----|
| Year | 4 | Semester | 1 | Credits | 02 | Theory (hr) | 20 |
| | | | | | | Practical (hr) | 20 |
| | | | | | | Independent Learning (hr) | |

Aim of the Course:

To provide the basic knowledge with respect to the process of technology transfer with special reference to the innovations in technology

Intended Learning Outcomes:

After completion of this course, the learner should be able to:

- Explain the basic concepts and models of technology transfer and diffusion of innovations.
- Identify the specific roles and responsibilities of technology stewards and extension workers in the process of technology transfer.
- Illustrates the implementation of technology transfer plan and rapid prototyping.

Course Capsule:

| Theory |
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| Introduction to technology transfer / knowledge mobilization; Technology dissemination; Sustainable technology; Diffusion of innovations, changes and challenges in technology transfer; Technology transfer models: Extension models, community of practice approach, rapid prototyping techniques, participatory rural appraisal, technology stewardship concept, inclusive innovations; ICT enable knowledge mobilization tools: Texting with <i>Frontlinesms</i> , Cloud-based crowd mapping with <i>Ushahidhi</i> , Interactive Voice Recognition (IVR) with <i>Freedomfone</i> ; Technology transfer planning, implementation of rapid prototyping and campaign, monitoring and evaluation of technology transfer plan |

| Practical |
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| Research - extension dialogue; Stakeholder – extension dialogue; Practice approach on participatory rural appraisal; ICT enable knowledge mobilizing tools |

Assessment:

Continuous assessment: 30%
End semester assessment: 70%