

| Course Title | Recent Advances in Biosystems Technology | | | Course Code | BST 41491 | | |
|--------------|--|----------|---|-------------|-----------|---------------------------|----|
| Year | 4 | Semester | 1 | Credits | 01 | Theory (hr) | 15 |
| | | | | | | Practical (hr) | 00 |
| | | | | | | Independent Learning (hr) | |

Aim of the Course:

To make aware of the recent applications and emerging trends, from both local and global perspective, in the management of, and the technologies in use in, various biosystems to enhance their productivity and sustainability

Intended Learning Outcomes:

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

- Explain the latest developments in relation to management of various biosystems local and global perspective.
- Discuss the applicability of certain advance technologies in use globally to solve the problems associated with biosystems in Sri Lanka.

Course Capsule:

| Theory |
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| Current understanding in key areas in biosystems technology, how conceptual and technical advances provide new insights in biosystems technology; New approaches for answering the problems in different biosystems; Novel technologies and issues in biosystems, environment, health and society; Bio-safety regulations and procedures; New trends in red, white and green biotechnologies, Quality management systems, Patents and Intellectual Property Rights (IPR) |

Assessment:

Continuous assessment: 30%
End semester assessment: 70%