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| **Course title:** Biotechnology laboratory – Part 2 | | | |
| **Course code:** BBP 106 | **No. of credits:** 7 | **L-T-P:** 0-0-210 | **Learning hours:** 210 |
| **Pre-requisite course code and title (if any):** None | | | |
| **Department:** Department of Biotechnology | | | |
| **Course coordinator:** Prof. Anandita Singh | | **Course instructor:** Prof. Anandita Singh /Prof. Ramakrishnan Sitaraman /Prof. Shashi Bhushan Tripathi / Dr. Chaithanya Madhurantakam | |
| **Contact details:** asingh@terisas.ac.in | | | |
| **Course type:** Core | | **Course offered in:** Semester 2 | |

**Course description:**

The objective of this laboratory course is to introduce students to experiments related to biotechnology. The course is designed to teach students the utility of set of experimental methods in biotechnology in a problem-oriented manner. The list of experiments given in each module is representative and includes experiments. Part A will be common for both the streams. Part B1 is only for Microbial Biotechnology stream whereas Part B2 is only for Plant Biotechnology stream. The instructor may choose experiments for student's laboratory training as per requirements.

**Course objectives:**

1. To introduce the students to standard techniques of molecular biology.
2. To impart intensive hands-on-training using molecular tools in a research project mode.
3. To train the students in designing experiments with appropriate controls.