



Dr. Bhimrao Ambedkar University Agra

Department of Biotechnology
School of Life Sciences, Khandari Campus

Value Added Courses

Course Name	Pharmaceutical Biotechnology
Course Code	BT-VAC -03
Duration & Credit	30 Hrs. & 2 Credits
Coordinator	Dr. Monika Asthana, Assistant professor
Evaluation	By the Coordinator
Organized by	Department of Biotechnology, SLS, Dr. Bhimrao Ambedkar University Agra

Course objectives:

After successful completion of the course student will learn the basic principles of health management strategies; Student will also learn the various types of vaccine preparation methods and the essential principles in their health management

Syllabus

UNIT 1

Pharmacology: Terms and Definitions;
Drugs, chemicals, antibiotics and probiotics and their mode of action;
Preventive strategies; Quarantine and health certification

UNIT 2

Principles and methods of vaccine production and immunization;
DNA and RNAi vaccines;
Immunostimulants

UNIT 3

Bioremediation strategies for health management.
Probiotics; Bioremediators and Other prophylactic measures

TEXT BOOK:


1. A Textbook of Clinical Pharmacology and Therapeutics by Ritter et al., Hodder Arnold, Hachette Livre UK

Course Outcomes (Cos):

On completion of this course, students will able to:

- CO1: Learn about the terminology of pharmacology and identification of medicinal molecules.
- CO2: Learn about Vaccine preparation
- CO3: Progress in enduring health management strategies.

Monika


DEAN
Faculty of Life Science
Dr. Bhimrao Ambedkar University, Agra