



SECOND SEMESTER 2020-21
Course Handout (Part -II)

Date: 12/1/2021

In addition to Part- I (General Handout for all courses appended to the time table) this portion gives further specific details regarding the course.

Course No. : PHA F491
Course Title : Special Projects
Instructor-in-charge : Hemant R Jadhav

1. Scope & Objective of the Course : This course aims at developing the basic concepts and understanding of the specialized fields of pharmacy profession. It trains the students to apply their knowledge of the fundamental principles in the development of formulations of drug products, of analytical methods, projects on synthesis, microbiology and other similar projects of pharmaceutical & related applications.

2. Course Plan : The various types of the special projects under investigations are:

- Development of Analytical methods for Drug substances
- Design of sustained Release Dosage Formulations
- Micro-encapsulation, Nano-particular formulation studies
- Drugs in different formulations - their pharmacokinetic and stability studies.
- Effects of various factors on Pharmaceutical Formulations
- QSAR Studies, Computer Aided Drug Design, Related Computational studies
- Synthesis of Bio-active Molecules
- Microbiological and Immunological studies
- Pharmacological Screening and Receptor Pharmacology
- Pharmaceutical Management, Quality assurance
- Phyto-chemical investigations and related studies
- Any other related topic deemed fit

The plan of work for the specific projects in the above mentioned areas will be approved by the respective instructors.

3. Evaluation Scheme:

Component	Weightage	Due date
Presentation of outline cum project proposal	10	2nd week
Mid semester work contribution	05	6th week
Mid semester seminar	15	9th week
Mid Sem. progress report	15	9th week
Overall contribution & sincerity	10	13th week
Final report *	25	15th week
Final Presentation	15	15th week
Day to Day Diary	05	continuous
Total	100	





Marking scheme for Final Report * :

a) Literature survey	05
b) Experimental Work Results & Discussion	15
d) References	05

The mid-semester and end semester work may also be evaluated by another Instructor identified by the project guide.

4. **Notices:** The Notices concerning this courses will be displayed on the Pharmacy Notice Board only.

Note:

It is the responsibility of the students registered for the course to meet the aforementioned deadlines and submit reports periodically with the assigned Instructor. Students who do not meet the Instructors for more than 10 days at a stretch without genuine reasons (as will be decided by the assigned Instructor), may not clear the course.

**Instructor-in-Charge
PHA F491**

