



FIRST SEMESTER 2016-2017

Course Handout (Part -II)

Date: 02/08/2016

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 G642
Course Title : Laboratory Projects
Instructor-in-Charge : DR. S. MURUGESAN

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 of theory 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 projects under investigations are:

- Development of Analytical and bio-analytical methods for Drug substances
- Design of sustained Release Dosage Formulations
- Micro-encapsulation, Nano-particulate 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:

S. No	Component	Weightage	Due date
1.	Project outline and proposal	05	29-08-2016
2.	Project work contribution	05	28-09-2016
3.	Mid-semester report	15	15-10-2016
4.	Mid-semester presentation	15	19-10-2016
5.	Final report**	20	16-11-2016
6.	Final presentation	10	25-11-2016
7.	Research Paper*	20	28-11-2016
8.	Overall contribution & sincerity	10	28-11-2016

*Students should write a research paper as per author instructions of reputed international journal based upon the work undertaken during the course.

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 Group 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 G642

