First Semester 2017-2018
Course Handout (PART-II)

Date: 02/08/2017

In addition to part I (General handout for all courses appended to the timetable) this portion gives further details regarding the course.

Course No. : *PHY F110*

Course Title: *Physics Laboratory*

Instructor In-charge: **Amol Holkundkar**

Instructors Name :
Aditi Mandal, Anshuman Dalvi, Arghya Maity, Biswanath Layek, Captain Rituraj Singh, D Bandyopadhyay, D D Pant, Dinachandra Singh, Ishan Mata, J N Bandopadhyay, Kaushar Vaidya, Kusum Lata, Madhukar Mishra, Navin Singh, Neelakshi Sharma, Parul Taneja, Prachi Venkat, Pradeep Kumar Yadav, Raj Kumar Gupta, Rakesh Choubisa, Rishikesh Vaidya, RR Mishra, Shivani Choudhary, Sumita Choudhary, Tridev A Mishra

1. Aims and learning objective:
The main aim is to expose the students to experimental methods of physics and to integrate theoretical knowledge and concept to practical experience. Students will learn, operation of scientific equipment for collecting data and the analysis of collected data using computer.

2. Text Book:
Laboratory manual written by the faculty members of physics department is available in physics department web page and also will be uploaded on Nalanda.
Reference: Relevant reference materials are specified in the lab manuals.

3. Evaluation Scheme:

Evaluation components	Duration	Marks	Day, Time and Venue
Day-To-Day Performance	Normal class hours	120	Regular Lab Hour
Mid term test	30 mins	30	<TEST_1>
Comprehensive examination	2 hours	90	<TEST_C>
Lab test	1 hour	60	TBA
Total		300	

*TBA: To be annouced.

4. Important Instructions to the students:

(a) Day to day performance would carry 15 (10 for Performing Experiment and 5 for results/graphs) marks for each experiment.
(b) We will take the best (n-1) experiments (where n is the total number of experiments performed by a particular Section during the semester) while doing the evaluation at the end of the semester. Total marks for day to day performance would be scaled down to 120 marks.
(c) Students would perform 1 experiment per turn and submit the calculations and the results on the next turn in the prescribed "observation booklet". They need to keep their this observation booklet on the instructor's desk, before they start next experiment. If they fail to do so, 3 marks per experiment would be deducted from day to day performance for that experiment.
(d) Students are expected to read about the allotted experiments from the manuals before coming to the Lab and should carry the hard copy of the observation booklet (record) with them.
(e) Students are expected to maintain laboratory discipline during the lab hour. They can be penalized for any indiscipline in the lab.

5. Responsibilities of the students:

(a) To carry his/her valid identity card issued by the institute.
(b) To sign attendance sheet.
(c) To arrive at the laboratory in time.
(d) To get one reading in the observation table verified and attested by the instructors.
(e) To understand and strictly follow the safety precautions.
(f) To complete the experiment on time.
(g) To not indulge in any unfair means in the evaluation component. Institute has very strict policy on plagiarism. If it is observed that the readings and results are copied from any other sources, then no marks for that experiment

would be awarded.

6. Make-up policy:

The schedule of the experiment is very tight; the students are expected to attend all the laboratory sessions regularly. Make up, if any, will be decided after the consultation with the lab instructor and the genuineness of the missing purpose. No makeup would be granted during the regular lab hours. Makeup will be granted at the end of the semester based on the recommendation of the respective instructor.

6. Notices:

Notices concerning this course will be displayed on Physics Dept./FD-III notice board and NALANDA.

Instructor-In-Charge:
Amol Holkundkar