



**First Semester 2015-2016
Course Handout (PART-II)**

Date: 03-08-2015

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 : **Madhukar Mishra**

Instructors Name : Anshuman Dalvi, Amar Singh, Aradhya Maiti, Ashis Kumar Pal, Biswanath Layek, Captain Rituraj Singh, D D Pant, Devnarayan, Jitender Kumar, Kapil, Keerti Choudhary, Kusum Lata, Monika Poonia, **Madhukar Mishra**, Prachi Venkat, Pradeep Kumar Yadav, Raj Kumar Gupta, Ravi Trivedi, Rithika Sharma, Shivani Choudhary, Subhash N Karbelkar, Sumita Choudhary, Surendra Pratap, Tej Verma Y, 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	150	Class timing
Lab. Test	One hour	60	
Comprehensive examination	Two hours	90	<test_C>
Total		300	

4. Import Notes for the students:

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. After the experiment, they should submit the record to the instructor in Lab. They should not take out any **experimental record out side the Lab**. They should follow the same procedure on each turn. Two experiments will be assigned to each group on the first day of the lab. session along with general instructions and formation of groups. On 1st working day, they (group-wise) will do practice for two allotted experiments. On 2nd day, they will perform first allotted experiment, complete calculations, graphs and will submit the completed record to the lab. instructor. On 3rd day, second allotted experiment will be performed, completed with calculations and graphs. Finally, record will be submitted to the lab. instructor at the end of the session.

5. Make-up policy:



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Pilani Campus,
Instruction Division

The schedule of the experiment is very tight; the students are expected to attend all the lab. sessions regularly. 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. That is why no make up will be given if any body misses one experiment due to any reason. Make up will be given to those who miss two or more experiments due to very genuine reason provided he/she submits suitable documentary proof.

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

Instructor-In-Charge:
Madhukar Mishra



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