

University of Calcutta

Coursework for the Ph.D programme in the Department of Physics (2014-2015)

The Ph.D Course work in this department will start on and from **9th September, 2014** as per the following schedule. The interested candidates are requested to register for the course as soon as possible.

Tuesday (4.00-6 P.M.) Paper I - Research Methodology, Total Marks
50

Friday (4.00-6 P.M.) Paper II - Advanced Theoretical Techniques / Advanced
Experimental Techniques, Total Marks
50

The topics along with the course instructors are given below for the Paper II theoretical techniques. The following modules will be offered this year. The student has to take two modules.

1. Quantum Field Theory : Prof. A. Kundu
2. Advanced Particle Physics : Dr. A. Datta
3. Relativistic Mean Field in Nuclear Physics : Dr. A. Bhattacharya
4. Statistical Model of Nuclear Reactions : Prof. G. Gangopadhyay

Advanced Computer Programming : Appropriate Problems will be set by supervisors.

For Advanced Experimental techniques the interested candidates are requested to contact the following persons for the details of course schedule (Prof. S. K. Biswas, Prof. D. Jana, Dr. S. Bandyopadhyay)

Paper III : Elective paper, Total Marks 50

The appropriate topics will be decided by the supervisor and DC. A formal presentation of the topic will be done by the candidate at the end of the course.

Kolkata

(Prof. P. Sen)

1st September, 2014
Physics

Head, Department of