

Subject Board for Physics

Tata Institute of Fundamental Research

Homi Bhabha Road, Mumbai 400 005, INDIA

(In all e-mail addresses add @tifr.res.in unless otherwise mentioned)

To access any course material posted by the instructor please click on the link

Courses in (2006-2007)

Autumn 2006

Core Courses

Courses	Instructor(s)	e-mail
Quantum Mechanics I [@]	Shiraj Minwala	minwala@theory.tifr.res.in
Mathematical Methods ^{@\$&*}	Goutam Mandal	mandal
Electrodynamics II ^{\$\$\$*}	D Narasimha	dna
Exp. Physics+Lab ^{@\$}	Co-ordinator: Gobinda Majumdar	gobinda
Classical Mechanics [@]	Deepak Dhar	ddhar
Electronics ^{@#}	S S Prabhu	prabhu
Particle Physics ^{@#}	Amol Dighe/Shashi Dugad	amol

Topical Courses

Courses	Instructor(s)	e-mail
LHC FOR STRING THEORISTS	Sunil Mukhi	mukhi
Introduction to Plasma Physics	G Ravindrakumar	grk
Advanced Statistical Mechanics	Kedar Damle	kedar

Reading Courses

Courses	Instructor(s)	e-mail
<u>Fluid Dynamics</u>	Shankar Ghosh	sghosh
<u>Nanometer Scale Physics</u>	Mandar Deshmukh	deshmukh
<u>Introduction to Semiconductors and Optical Spectroscopy</u>	A V Gopal	achanta
<u>Advanced Quantum Mechanics: the path to quantum field theory</u>	Sourendu Gupta	sgupta

Spring 2007

(Timetable)

Core Courses

Courses	Instructor(s)	e-mail
<u>Quantum Mechanics II</u> @\$*	Vijay Singh	vsingh@hbcse.tifr.res.in
<u>Statistical Mechanics</u> @	Mustansir Barma	barma
<u>Electrodynamics I</u> @	G Ravindrakumar/R Palit	grk/palit
<u>Numerical Methods and Computing</u> @#	H M Antia	antia@astro.tifr.res.in
<u>Solid State Physics</u> @#	Sudesh Kumar Dhar	sudesh

Topical Courses

Courses	Instructor(s)	e-mail
<u>Introduction to Fermi liquids</u>	Vikram Tripathi	vtripathi@theory.tifr.res.in
<u>Quantum Field Theory</u>	Avinash Dhar	adhar@theory.tifr.res.in
<u>Gravitation and Cosmology</u>	Pankaj Joshi	psj
<u>Lattice Gauge Theory</u>	Rajiv Gavai	gavai
<u>Superconductivity and Magnetism</u>	Pratap Raychaudhuri	pratap

Reading Courses

Courses	Instructor(s)	e-mail
Plasma Physics	D Narasimha	dna
Laser Interaction with Matter	G Ravindrakumar	grk

@ Mandatory for 1st year students with B.Sc degree.

\$ Mandatory for 1st year students joining with M.Sc degree.

& Mandatory for 2nd year students with B.Sc degree.

This course can also be taken for credit as a topical course.

* Students joining with M.Sc. degree are encouraged to take [drop tests](#) for these courses. The drop test is held at the beginning of the semester. If you are interested in taking a drop test for any course kindly contact the Graduate Course Coordinator or send a mail to sbp@theory.tifr.res.in

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