

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 (2009-2010)

[Time-Table](#)

Autumn 2009

Core Courses

Courses	Instructor(s)	e-mail
Quantum Mechanics I [@]	Nilmani Mathur	nilmani@theory
Mathematical Methods ^{@\$*}	V. Tripathi & K. Damle	vtripathi@theory kedar@theory
Electrodynamics II ^{\$\$&*}	A. Gopakumar	gopu
Exp. Physics+Lab ^{@\$}	S.S. Prabhu	prabhu
Classical Mechanics [@]	Bhaswati Mookerjea	bhaswati
Electronics [@]	M. Deshmukh	deshmukh
Atomic and Molecular Physics ^{&}	Kailash Rustagi	rustagi@phy.iitb.ac.in

Astronomy and Astrophysics &€	A. Ray	akr
Nuclear Physics &	R. Palit	palit
Particle Physics &	K. Mazumdar, G. Mohanty	mazumdar, gmohanty

Topical Courses

Courses	Instructor(s)	e-mail
General Theory of Relativity	Sunil Mukhi	mukhi@theory
Advanced Statistical Mechanics	Deepak Dhar	ddhar@theory
Disordered Systems	Vijay Singh	vsingh@hbcse.tifr.res.in

Reading Courses

Courses	Instructor(s)	e-mail
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Spring 2010

[\(Timetable\)](#)

Core Courses

Courses	Instructor(s)	e-mail
Quantum Mechanics II @\$*	Deepak Dhar	ddhar
Statistical Mechanics @	Kedar Damle	kedar
Electrodynamics I @	S. Bhattacharya & R. Palit	sudip & palit
Numerical Methods and Computing @	S. Gupta	
Solid State Physics @	Pratap Raychowdary & A V Gopal	Pratap & achanta

Topical Courses

Courses	Instructor(s)	e-mail
Introduction to Cosmology	S. Majumdar	subha
QCD at Colliders	M. Guchait	guchait
Fluids and Plasmas	G. Ravindra Kumar	grk
Lasers and Ultrashort Light Pulses	G. Ravindra Kumar	grk
Nuclear Structure	Palit	palit
Epitaxy: Physics, Technology and Device Applications	Arnab Bhattacharya	arnab
Quantum Field Theory-1	Saumen Datta	saumen
First stars and galaxies and cosmic reionization	Alak Ray	akr

Reading Courses

@ 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.

€ Mandatory for 2nd year students with M.Sc. degree joining Department of Astronomy & Astrophysics.

*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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