

Physics
Applicable to students admitted in 2010-11

Course List

<i>Course Code</i>	<i>Course Title</i>	<i>Unit</i>
PHYS1001	General Physics I	3
PHYS2001	Introduction to Mechanics	4
PHYS2002	Introduction to Thermal Physics	4
PHYS2003	Introduction to Electricity and Magnetism	3
PHYS2004	Quantitative Methods for Basic Physics I	2
PHYS2005	Quantitative Methods for Basic Physics II	2
PHYS2011	Physics Problems I	1
PHYS2022	Physics Problems II	1
PHYS2041	Problems in Quantitative Methods for Basic Physics	1
PHYS2351	Basic Computational Physics	3
PHYS2400	Topics in Contemporary Physics	3
PHYS2811	Physics Laboratory I	2
PHYS2822	Physics Laboratory II	1
PHYS2910	Introduction to Astronomy and Astrophysics	3
PHYS3011	Mechanics	3
PHYS3022	Intermediate Mechanics	3
PHYS3041	Electricity and Magnetism	3
PHYS3201	Quantum Physics I	4
PHYS3202	Quantum Physics II	4
PHYS3350	Introduction to Computer Simulations of Physical Systems	3
PHYS3401	Contemporary Topics in Applied Physics	3
PHYS3402	Applied Solid State Physics	3
PHYS3412	Electronics	3
PHYS3601	Methods in Theoretical Physics I	3
PHYS3710	Special Experimental Project V	1
PHYS3720	Special Experimental Project VI	1
PHYS3751	Special Theoretical Projects I	1
PHYS3752	Special Theoretical Projects II	1
PHYS3811	Physics Laboratory III	1
PHYS3822	Physics Laboratory IV	1
PHYS4011	Seminar I	1
PHYS4022	Seminar II	1
PHYS4211	Electromagnetic Theory and Optics	3
PHYS4221	Quantum Mechanics I	3
PHYS4260	Statistical Mechanics	3
PHYS4360	Electronic Packaging	3
PHYS4370	Computational Physics	3
PHYS4440	Laser Principles and Applications	3
PHYS4450	Solid State Physics	3
PHYS4460	Relativity	3
PHYS4510	Selected Topics (Thematic Melodies of 20th Century Theoretical Physics)	2
PHYS4520	Selected Topics (Physics In Meteorology)	3
PHYS4530	Selected Topics (Astrophysics)	3
PHYS4602	Methods in Theoretical Physics II	3
PHYS4610	Project I	3
PHYS4620	Project II	3

PHYS4700	Selected Topics in Nanoscience and Technology	3
PHYS4711	Special Experimental Project I	1
PHYS4712	Special Experimental Project III	1
PHYS4721	Special Experimental Project II	1
PHYS4722	Special Experimental Project IV	1
PHYS4751	Special Theoretical Projects III	1
PHYS4752	Special Theoretical Projects IV	1
PHYS5320	Photonics: Materials and Devices	3
PHYS5330	Instrumentation I	3
PHYS5350	Tech in Materials Characteriza'n	4
PHYS5410	Quantum Mechanics II	3
PHYS5420	Classical Electrodynamics	3
PHYS5430	Solid State Theory	3
PHYS5570	Methods in Theoretical Phy III	3