

Department of Physics

This course aims to educate students on the fundamentals of physics that have been firmly established and to introduce world-class advanced theories to cultivate skills that go beyond globalization. The Department of Physics aims to cultivate innovative talents that contribute to national academic development and contribute to social benefits by leading students to creative and foremost academic activities that actively study and find answers through a free teaching method.

Information

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Professor Introduction

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Curriculum

Course Code	Course Title	Credit
504.501	Classical Mechanics I	3-0-0
504.502	Electronic Mechanics I	3-0-0
504.503	Quantum Mechanics I	3-0-0
504.504	Special Topics of Mathematical Physics I	3-0-0
504.505	Experimental Physics	3-0-0
504.506	Classical Mechanics II	3-0-0
504.507	Electronic Mechanics II	3-0-0
504.508	Quantum Mechanics II	3-0-0
504.509	Special Topics of Mathematical Physics II	3-0-0
504.510	Seminar I	1-0-0
504.511	Seminar II	1-0-0
504.601	Nuclear Physics I	3-0-0
504.602	Nuclear Physics II	3-0-0
504.603	Special Topics of Particle Physics I	3-0-0
504.604	Special Topics of Particle Physics II	3-0-0
504.605	Quantum Field Theory I	3-0-0
504.606	Quantum Field Theory II	3-0-0
504.607	Special Topics of Solid State Physics I	3-0-0
504.608	Special Topics of Solid State Physics II	3-0-0
504.609	Quantum Theory of Solid State I	3-0-0
504.610	Quantum Theory of Solid State II	3-0-0
504.611	Semiconductor Physics	3-0-0
504.612	Statistical Mechanics I	3-0-0
504.613	Statistical Mechanics II	3-0-0
504.614	Special Topics of Statistical Mechanics I	3-0-0
504.615	Special Topics of Statistical Mechanics II	3-0-0
504.616	Many-body Theory	3-0-0
504.617	Quantum Statistical Mechanics	3-0-0
504.618	Geometric Optics	3-0-0
504.619	Wave Optics	3-0-0
504.620	Laser Optics	3-0-0
504.621	Applied Optics	3-0-0
504.622	Special Topics of Optics	3-0-0
504.623	Theory of Relativity	3-0-0
504.624	Interaction of Radiation with Matter	3-0-0
504.625	Methods of Particle Detection	3-0-0

504.626	Methods of Data Analysis	3-0-0
504.627	Quantum Electro-Dynamics	3-0-0
504.628	Quantum Chromo-Dynamics	3-0-0
504.629	Advanced Quantum Mechanics I	3-0-0
504.630	Advanced Quantum Mechanics II	3-0-0
504.631	Special Lectures on Advanced Physics I	3-0-0
504.632	Special Lectures on Advanced Physics II	3-0-0
504.633	MonteCarlo simulation I	3-0-0
504.634	MonteCarlo simulationII	3-0-0
504.635	Molecular dynamics simulation I	3-0-0
504.636	Molecular dynamics simulation II	3-0-0
504.801	M.S. Thesis Research I	3-0-0
504.802	M.S. Thesis Research II	3-0-0
504.803	Ph. D. Thesis Research I	3-0-0
504.804	Ph. D. Thesis Research II	3-0-0