

Fall Semester (MA1/MA3)

	Astrophysics, Particles, High energy Physics	Plasma Physics and Energy	Physics of Biological and Complex Systems	Condensed Matter Physics	Quantum Science and Technology
6 ECTS	Quantum Field Theory I - 431	Plasma I - 423	Statistical Physics III - 435	Solid State Physics III - 419	QED & Quantum Optics - 453
	Relativity Cosmology I - 427			Quantum Physics III - 425	Solid State Physics III - 419
	Quantum Physics III - 425				
4 ECTS	Astrophysics III - 401	Nucl. Fusion&Plasma Physics - 445	Radiation biology - 450	Semiconductor Physics - 433	Semiconductor Physics - 433
	Particle Physics I - 415	Reactor technology - 447	Stat. Ph. biomacromolecul. - 441	Physics of Materials - 307	Lasers - MICRO422
	Intr. Particle Accelerators - 448	Phys. of nuclear reactors - 443	Biophysics: biol. sys. - 302	Electron spectroscopy - 511	Quantum transport - 462
	Particle detection - 440	Radiation biology - 450	Stat. Phys. Computation - 512	Neutron scattering – 640	Quantum Information - 641
	Computer simulation - 403	Particle detection - 440	Computer simulation - 403	Computer simulation - 403	Nonlinear Optics - 470
	Machine Learning Physics - 467	Computer simulation - 403	Machine Learning Physics - 467	Machine Learning Physics - 467	Computer simulation - 403
		Machine Learning Physics - 467			Machine Learning Physics - 467
3 ECTS		Radiation detection - 452		Exp. methods in Physics. - 405	Exp. methods in Physics - 405
				Frontiers in NanoSciences - 407	Frontiers in NanoSciences - 407

 : Engineering courses

Code 6XX: advanced courses