



The Physics Department, Aristotle University of Thessaloniki, welcomes international students. The incoming students who are not fluent in Greek have the opportunity to choose undergraduate or post-graduate courses, which are offered in English, among those listed in the following tables. These courses are taught in the individual study scheme according to which the students are provided with teaching material in English (overheads and/or class notes, literature), a detailed study scheme and regular/weekly meeting hours with the faculty members. Finally, they are examined in English. In addition to that they have the option to work on a project towards a BSc or MSc Thesis. In this case, it is necessary that they consult with the research activities of the individual faculty members (<https://www.physics.auth.gr/en/>) and come to an agreement with them prior to their arrival.

Bachelor Degree Courses offered in English

Fall semester normally runs from October to the end of January - Spring semester runs from February to the end of June - (examination period included)

Semester	Course Title	ECTS	Contact Person	Web page
Fall (3 rd)	Physics IV (waves and optics)	8	J. Arvanitidis , M Katsikini	http://www.physics.auth.gr/en/courses/141
Fall (3 rd)	Atmospheric and environmental physics	5	A.Bais , D. Melas , D. Balis	http://www.physics.auth.gr/en/courses/138
Fall (5 th)	Bioelectromagnetics	4	T. Samaras	http://www.physics.auth.gr/en/courses/160
Fall (5 th)	Physics of Metals	4	T. Kehagias , G. Dimitrakopoulos	http://www.physics.auth.gr/en/courses/162
Fall (5 th)	Quantum Mechanics I	8	T. Gaitanos	http://www.physics.auth.gr/en/courses/122
Fall (5 th)	Nuclear Physics and Elementary Particle Physics	7	C. Eleftheriadis , K. Kordas , D. Sampsonidis , I. Savvidis	https://www.physics.auth.gr/en/courses/242
Fall (7 th)	Solid State Physics	7	E. C. Paloura	http://www.physics.auth.gr/en/courses/43
Fall (7 th)	Nonlinear Dynamical Systems	5	G. Vougiatzis	http://www.physics.auth.gr/en/courses/200
Fall (7 th)	Digital Circuits	4	S. Nikolaidis	http://www.physics.auth.gr/en/courses/220
Fall (7 th)	Atmospheric environment	5	D. Melas , K. Tourpali	http://www.physics.auth.gr/en/courses/199
Fall (7 th)	Physics and Technology of Semiconductor Devices	4	D. Tassis	https://www.physics.auth.gr/en/courses/211
Fall (7 th)	Astronomy - Astrophysics	7	P. Papadopoulos	https://www.physics.auth.gr/en/courses/124
Fall (7 th)	Cosmic Radiation	4	A. Liolios , C. Eleftheriadis	http://www.physics.auth.gr/en/courses/170
Fall (7 th)	Electronic Circuits	5	T. Laopoulos	http://www.physics.auth.gr/en/courses/196
Fall (7 th)	Particle Physics	5	S. E. Tzamarias	https://www.physics.auth.gr/en/courses/194
Spring (4 th)	Electronics	5	T. Laopoulos	http://www.physics.auth.gr/en/courses/153
Spring (6 th)	Physics of Materials	4	F. Komninou , J. Kioseoglou	http://www.physics.auth.gr/en/courses/178
Spring (8 th)	Physics of nanostructures and surfaces	4	E. C. Paloura	http://www.physics.auth.gr/en/courses/205
Spring (8 th)	Solid State Physics II	5	M. Angelakeris , M. Gioti	http://www.physics.auth.gr/en/courses/204
Spring (8 th)	Radiation Physics and Applications of Radioisotopes	4	A. Ioannidou	http://www.physics.auth.gr/en/courses/228
Spring (8 th)	Cosmology	4	C. Tsagas	http://www.physics.auth.gr/en/courses/222
Spring (8 th)	General Theory of Relativity	4	C. Tsagas , N. Stergioulas	http://www.physics.auth.gr/en/courses/236
Spring (8 th)	Photonics and Applications	4	K. Vyrsokinis	http://www.physics.auth.gr/en/courses/186
Spring (8 th)	Atmospheric Technology	4	A.Bais , D. Balis , K. Garane , K. Tourpali	http://www.physics.auth.gr/en/courses/231
Spring (8 th)	Global Environmental Changes	4	D. Balis , K. Tourpali	http://www.physics.auth.gr/en/courses/232
Spring (8 th)	Radio astronomy - Astronomy in Non Optical wavelengths	4	P. Papadopoulos	https://www.physics.auth.gr/en/courses/224
Spring (8 th)	Observational Astronomy	5	P. Papadopoulos	https://www.physics.auth.gr/en/courses/197
Spring (8 th)	Experimental Foundations of Particle Physics	4	K. Kordas	https://www.physics.auth.gr/en/courses/226
Spring (8 th)	Accelerators and Detectors in Nuclear and Particle Physics	4	D. Sampsonidis	https://www.physics.auth.gr/en/courses/227

Additional info at: <https://www.physics.auth.gr/en/erasmus> , email: erasmus-physics@auth.gr



Master Degree courses offered in English

Odd (even) semester numbers correspond to fall (spring) semesters.

Semester	Course Title	ECTS	Contact Person	Web page
Fall (1 st)	Laboratory of Programming and Software Applications	6	T. Samaras	http://qa.auth.gr/en/class/1/600004130
Fall (1 st)	Atmospheric and environmental physics	8	K. Tourpali	https://qa.auth.gr/en/class/1/600004175
Fall (1 st)	Radiation in the atmosphere	8	A.Bais	https://qa.auth.gr/en/class/1/600004177
Fall (1 st)	Electronic Circuits	7	T. Laopoulos	http://elecom.physics.auth.gr/En/Courses/Electro n/semesterE1.htm http://qa.auth.gr/en/class/1/600004163
Fall (1 st)	Materials structure, growth & synthesis	8	E. C. Paloura	https://qa.auth.gr/en/class/1/600004253
Spring (2 nd)	Thin films II: applications	2	K. Vyrsoinos , E. C. Paloura	https://qa.auth.gr/en/class/1/600004402
Spring (2 nd)	Computational Electromagnetics	7.5	T. Samaras	http://qa.auth.gr/en/class/1/600004363
Spring (2 nd)	Global change	4	K. Tourpali	https://qa.auth.gr/en/class/1/600004329
Spring (2 nd)	Radiative transfer models	4	A.Bais	https://qa.auth.gr/en/class/1/600004330
Spring (2 nd)	Atmospheric Aerosols	4	D. Balis	https://qa.auth.gr/en/class/1/600004333
Spring (2 nd)	Atmospheric Pollution and Environmental Meteorology	8	D. Melas	https://qa.auth.gr/en/class/1/600004320
Spring (2 nd)	Materials Optimization and Selection Methods	8	I.Kioseoglou	http://qa.auth.gr/en/class/1/600004398/M1