

Preliminary teaching programme for academic year 2024-25

Code	Course unit name	Scope (cr)	Period	Teaching language	Mode of teaching	Open university studies	Open to exchange students	Open to other degree programmes
PAP301	Seminar in Particle Physics and Astrophysical Science	5 cr	1.-4. period	English	contact teaching	no	no	no
PAP302	Open problems in modern astrophysics	5 cr	1.-2. period	English	contact teaching	no	yes	yes
PAP303	Statistical Inverse Methods	5 cr	3.-4. period	English	contact teaching	no	yes	yes
PAP304	Plasma Physics	5 cr	1. period	English	contact teaching	no	yes	yes
PAP305	Space Applications of Plasma Physics	5 cr	2. period	English	contact teaching	no	yes	yes
PAP306	Advanced Course in Observational Astronomy I	5 cr	1. period	English	contact and distance teaching + intensive period in	no	yes	yes
PAP308	Special Course in Observational Astronomy	5 cr	1.-2. period	English	contact teaching	no	yes	yes
PAP309	Interstellar Matter	5 cr	2. period	En, Fi	including both contact and distance teaching	no	yes	yes
PAP313	Variable Stars	5 cr	1.-2. period	English	contact teaching	no	yes	yes
PAP315	Computational light scattering	5 cr	1. period	English	contact teaching	no	yes	yes
PAP316	Astrophysical light scattering problems	5 cr	4. period	English	contact teaching	no	yes	yes
PAP317	Galactic dynamics	5 cr	3.-4. period	English	contact teaching	no	yes	yes
PAP318	Galaxy formation and evolution	5 cr	1.-2. period	English	contact teaching	no	yes	yes
PAP319	High Energy Astrophysics	5 cr	3.-4. period	English	contact teaching	no	yes	yes
PAP321	Solar Physics	5 cr	3. period	English	contact teaching	no	yes	yes
PAP324	Numerical Space Physics	5 cr	4. period	English	contact teaching	no	yes	yes
PAP325	Introduction to Particle Physics II	5 cr	2. period	English	contact teaching	no	yes	yes
PAP326	Cosmology II	5 cr	2. period	English	contact teaching	no	yes	yes
PAP328	Laboratory course on instrumentation	5 cr	1.-2. period	English	contact teaching	no	yes	yes
PAP329	Particle Physics Experiments	5 cr	3.-4. period	English	contact teaching	no	yes	yes
PAP331	Computing Methods in High Energy Physics	5 cr	3.-4. period	English	contact teaching	no	yes	yes
PAP332	Introduction to Particle Physics I	5 cr	1. period	English	contact teaching	no	yes	yes
PAP334	Statistical Methods	5 cr	1.-2. period	English	contact teaching	no	yes	yes
PAP340	Physics of semiconductor devices	5 cr	3.-4. period	English	including both contact and distance teaching	no	yes	yes
PAP346	Path Integral Quantization of Gauge Field Theories	5 cr	4. period	English	contact teaching	no	yes	yes
PAP348	General relativity I	5 cr	3. period	English	contact teaching	no	yes	yes
PAP349	General relativity II	5 cr	4. period	English	contact teaching	no	yes	yes
PAP352	Galaxy Survey Cosmology	5 cr	3. period	En or Fi	contact teaching	no	yes	yes
PAP353	Gravitational Lensing	5 cr	4. period	En or Fi	contact teaching	no	yes	yes
PAP354	Space and Astrophysical Plasma Turbulence	5 cr	2. period	English	contact teaching	no	yes	yes