

Astronomy master's programme 2017-2018

[Course overview 2017-2018 \(e-Prospectus\)](#)

[Schedules 2017-2018 \(student's website\)](#)

Astronomy - General		Link to Google Calendar
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Obligatory events and holidays

<https://goo.gl/KLyvhi>

Career events

<https://goo.gl/3fGveH>

Colloquia

<https://goo.gl/iPT63J>

Astronomy - Semester 1		
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Astronomical Observing Techniques (crash course)	AOT	https://goo.gl/y4C7Ca
Astronomical Telescopes and Instruments	ATI	https://goo.gl/4viMC6
Computational Astrophysics	CAP	https://goo.gl/UYrx3M
Databases and Data Mining in Astronomy	DBDM	https://goo.gl/8Nt2en
Origin and Evolution of the Universe	OEU	https://goo.gl/kwkntu
Astronomy from Space	AFS	https://goo.gl/Qmiez2
Project Management for Scientists	PFS	https://goo.gl/LmY28i
High Contrast Imaging	HCI	https://goo.gl/f5EWz1

Astronomy - Semester 2		
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Astrochemistry	ASC	https://goo.gl/yNDTyP
Compact Objects and Accretion	COA	https://goo.gl/UceQbX
Detection of Light a	DTLa	https://goo.gl/NXMVzB
Detection of Light a+b	DTLa+b	https://goo.gl/DNCEwX
Galaxies: structures, dynamics and evolution	GSD	https://goo.gl/5u686w
Interstellar Medium	ISM	https://goo.gl/jMs89W
Large Scale Structure and Galaxy Formation	LSSGF	https://goo.gl/F7tPvs
Star and Planet Formation	SPF	https://goo.gl/1T5t7Y

Physics - Semester 1		
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Advanced Biophysics	ABP	https://goo.gl/mQ8odV
Advanced Optics	ADO	https://goo.gl/tCN38H
Advanced Topics in Theoretical Physics 1	ATP1	https://goo.gl/E3DhPy
Condensed Matter Physics	CMP	https://goo.gl/qXTdVG
Complex Networks	CXN	https://goo.gl/3rwrze
Effective Field Theory	EFT	https://goo.gl/PWfRzw
Experimental Biophysics	EBP	https://goo.gl/xh8xxj
Frontiers of Measurement Techniques	FMT	https://goo.gl/y2GGNc
Magnetics Resonance Physics	MRP	https://goo.gl/X3jpd9
Origin and Structure of the Standard Model	OSM	https://goo.gl/vhUvkT
Quantum Information	QIF	https://goo.gl/Zm9veP
Quantum Theory	QTH	https://goo.gl/oE9D3p
Soft & Biomatter Theory	SBT	https://goo.gl/Pyq9Xs
Statistical Physics a	StPa	https://goo.gl/nm94d4

Statistical Physics b	StPb	https://goo.gl/9p8Q84
Theory of General Relativity	TGR	https://goo.gl/a5DmV6

Physics - Semester 2		
Academic and Professional Skills	APS	https://goo.gl/pw6y61
Advanced Topics in Theoretical Physics 2	ATP2	https://goo.gl/XiVuJG
Black Holes and Gravitational Waves	BHGW	https://goo.gl/Nqm5Bm
Computational Physics	COP	https://goo.gl/cg1p78
Mechanical Metamaterials	MMM	https://goo.gl/4m6Ccv
Particle Physics and the Early Universe	PPEU	https://goo.gl/H7rCbQ
Quantum Field Theory	QFT	https://goo.gl/EB14Zr
Quantum Optics	QUO	https://goo.gl/cUSyU3
Single Molecule Optics	SMO	https://goo.gl/f8NmXL
Soft Matter Physics	SMP	https://goo.gl/pMHe6x
Theory of Condensed Matter	TCM	https://goo.gl/BPmbKs
Theoretical Biophysics	THB	https://goo.gl/X6JstC
Topics in Theoretical Physics: Advanced	TTP	https://goo.gl/jeqwzc
Topics in Modern Cosmology		

Other - Semester 1		
Mesoscopic Physics	MP	https://goo.gl/67wpR7
Imaging Systems	IMS	https://goo.gl/s9qhMf
Databases and Data Mining (Computer Science)	DDCS	https://goo.gl/gq13qb
Advances in Data Mining	AiDM	https://goo.gl/D7qzuF

Other - Semester 2		
Advanced Solid State Physics	ASP	https://goo.gl/TdmxPE
Bayesian Networks	BN	https://goo.gl/o5PJRo
Molecular Electronics	ME	https://goo.gl/4MVgMf
Neural Networks	NN	https://goo.gl/5nUJvo
Nanotechnology	NT	https://goo.gl/r3D4Wd
Science and the Public: contemporary and historical perspectives	SAP	https://goo.gl/nEDx6o
Evolution and Engineering of Living Systems	EELS	Unavailable
The Origin of Life	OOL	Unavailable
Science Methodology	SCM	Unavailable