

FIRST TRIMESTER (SEPTEMBER 6 TO DECEMBER 3)

Subjects

Common obligatory courses:

32880 - *Gravitation (GRA)*: Coordinators: Tomás Ortín

Obligatory courses for the specialty “Elementary Particles and Cosmology”:

32550 - *Quantum Field Theory (QFT)*: Coordinator: Carlos Pena

Optional courses orientated to the specialty of “Elementary Particles and Cosmology”:

32559 - *Advanced Mathematics (MAV)*: Coordinators: José del Peso and Karl Landsteiner

32562 - *Quantum Entanglement and Information (QEI)*: Coordinator: German Sierra

Obligatory courses for the specialty “Astrophysics and Physics of the Cosmos”:

32554 - *Radiative processes in astrophysics (PRA)*: Coordinator: Alexander Knebe

32565 - *Observational techniques in Astrophysics (TOA)*: Coordinator: Gwendolyn Meeus

Lectures in the Department of Theoretical Physics (Aula 01.15.SS.201)	M-15-201
Lectures in the Institute of Theoretical Physics (IFT)	Room “GRIS 1”

WEEK-1, SEPTEMBER 5th TO 9th

TIME TABLE	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
10:00-11:00	HOLIDAYS	QFT		TOA*	
11:00-12:00		QFT	MAV	TOA*	
12:00-13:00		GRA	MAV	PRA	TOA
13:00-14:00		GRA	MAV	PRA	TOA
15:30-16:30			QEI		
16:30-17:30			QEI		

*Practical TOA sessions will take place at the UAM Observatory (Módulo 15). Some correspond to astronomical observations, and precise dates are subject to meteorological conditions. Additional observations at the Centro Astronómico Hispano-Andaluz in Calar Alto, Almería, will take place in the first trimester of 2023. Evaluation will take place afterwards.

WEEK-2, SEPTEMBER 12th TO 16th

TIME TABLE	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
10:00-11:00	QFT	QFT		PRA	
11:00-12:00	QFT	QFT	MAV	PRA	
12:00-13:00	GRA	GRA	MAV	GRA	
13:00-14:00	GRA	GRA	MAV	GRA	
15:30-16:30	QEI		QEI		
16:30-17:30	QEI		QEI		

WEEK-3, SEPTEMBER 19th TO 23th

TIME TABLE	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
10:00-11:00	QFT	QFT		TOA	TOA
11:00-12:00	QFT	QFT	MAV	TOA	TOA
12:00-13:00	GRA	GRA	MAV		PRA
13:00-14:00	GRA	GRA	MAV		PRA
15:30-16:30	QEI		QEI	PRA: 14:30-16:30	
16:30-17:30	QEI		QEI	PRA: 14:30-16:30	

WEEK-4, SEPTEMBER 26th TO 30th

TIME TABLE	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
10:00-11:00	QFT	QFT			TOA
11:00-12:00	Inauguration of Master in Science 11:30 – 13:30	QFT	MAV		TOA
12:00-13:00		GRA	MAV		PRA
13:00-14:00		GRA	MAV		PRA
15:00-16:00	GRA	QEI	QEI		
16:00-17:00	GRA	QEI	QEI		
19:00				TOA NIGHT	

WEEK-5, OCTOBER 3rd TO 7th

TIME TABLE	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
10:00-11:00	QFT	QFT		TOA	TOA
11:00-12:00	QFT	QFT	MAV	TOA	TOA
12:00-13:00	GRA	GRA	MAV		PRA
13:00-14:00	GRA	GRA	MAV		PRA
15:30-16:30	QEI		QEI	PRA: 14:30-16:30	
16:30-17:30	QEI		QEI	PRA: 14:30-16:30	

WEEK-6, OCTOBER 10th TO 14th

TIME TABLE	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
10:00-11:00	QFT	QFT	HOLIDAYS	TOA	TOA
11:00-12:00	QFT	QFT		TOA	TOA
12:00-13:00	GRA	GRA		PRA	PRA
13:00-14:00	GRA	GRA		PRA	PRA
15:30-16:30	QEI	QEI			
16:30-17:30	QEI	QEI			
19:00				TOA NIGHT	

WEEK-7, OCTOBER 17th TO 21st

TIME TABLE	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
10:00-11:00	QFT	QFT		TOA	TOA
11:00-12:00	QFT	QFT	MAV	TOA	TOA
12:00-13:00	GRA	GRA	MAV	PRA	PRA
13:00-14:00	GRA	GRA	MAV	PRA	PRA
15:30-16:30	QEI		QEI		
16:30-17:30	QEI		QEI		

WEEK-8, OCTOBER 24th TO 28th

TIME TABLE	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
10:00-11:00	QFT	QFT		PRA	
11:00-12:00	QFT	QFT	MAV	PRA	VO School
12:00-13:00	GRA	GRA	MAV	PRA	
13:00-14:00	GRA	GRA	MAV	PRA	
15:30-16:30	QEI		QEI		
16:30-17:30	QEI		QEI		

WEEK-9, OCTOBER 31st TO NOVEMBER 4th

TIME TABLE	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
10:00-11:00	QFT	HOLIDAYS		PRA	VO School
11:00-12:00	QFT		MAV	PRA	
12:00-13:00	GRA		MAV	PRA	
13:00-14:00	GRA		MAV	PRA	
15:30-16:30	QEI		GRA		
16:30-17:30	QEI		GRA		

WEEK-10, NOVEMBER 7th TO 11th

TIME TABLE	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
10:00-11:00	QFT		HOLIDAYS	TOA	TOA
11:00-12:00	QFT	MAV		TOA	TOA
12:00-13:00	GRA	MAV		PRA	PRA
13:00-14:00	GRA	MAV		PRA	PRA
15:30-16:30	QEI	GRA			
16:30-17:30	QEI	GRA			

WEEK-11, NOVEMBER 14th TO 18th

TIME TABLE	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
10:00-11:00	QFT				HOLIDAYS
11:00-12:00	QFT	MAV	MAV		
12:00-13:00	GRA	MAV	MAV		
13:00-14:00	GRA	MAV	MAV		
15:30-16:30	QEI	GRA	GRA		
16:30-17:30	QEI	GRA	GRA		

WEEK-12, NOVEMBER 21st TO 25th - EVALUATION

TIME TABLE	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
morning		GRA	MAV	PRA	

WEEK-13, NOVEMBER 28th TO DECEMBER 2nd

TIME TABLE	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
morning	QFT		QEI		

Deadline for first semester and final marks submission: February 8th, 2023

SECOND TRIMESTER (DECEMBER 6 TO MARCH 18)

Common obligatory courses:

32549 - *Cosmology (COSMO)*: Coordinators: Alexander Knebe and Savvas Nesseris

Obligatory courses for the specialty “Elementary Particles and Cosmology”

32879 - *Standard Model of Particle Physics (SM)*: Coordinators: María José Herrero and José Miguel No

SM- Block I: 5/12 – 10/01 (Maria J. Herrero)

SM-Block II: 11/01 – 07/02 (José Miguel No)

SM-Block III: 08/02 – 28/02 (Maria J. Herrero)

SM-Block IV: 01/03 – 02/03 (José Miguel No)

Optional courses orientated to the specialty of “Elementary Particles and Cosmology”

32558 - *Advanced Quantum Field Theory (AQFT)*: Coordinator: Margarita García Pérez

Obligatory courses for the specialty “Astrophysics and Physics of the Cosmos”

32552 - *Stellar Structure and Evolution (EEE)*: Coordinator: Nataly Ospina

Optional courses orientated to the specialty of “Astrophysics and Physics of the Cosmos”:

32564 - *Stars and Planets Formation (FEP)*: Coordinator: Gwendolyn Meeus

Lectures (Aula 01.15.SS.201)	M-15-201
Lectures in the Institute of Theoretical Physics (IFT)	Room “GRIS 1”

WEEK-1, DECEMBER 5th TO 9th

TIME TABLE	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
9:00-10:00	AQFT	HOLIDAYS	AQFT	HOLIDAYS	
10:00-11:00	AQFT		AQFT		
11:00-12:00	SM		SM		
12:00-13:00	SM		SM		
13:00-14:00					
15:00-16:00					
16:00-17:00					

WEEK-2, DECEMBER 12th TO 16th

TIME TABLE	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
9:00-10:00		AQFT	AQFT		
10:00-11:00		AQFT	AQFT	FEP	FEP
11:00-12:00	SM	SM	SM	FEP	FEP
12:00-13:00		COSMO	SM	FEP	FEP
13:00-14:00		COSMO		FEP	FEP
15:00-16:00		FEP			
16:00-17:00	COSMO	FEP			
17:00-18:00	COSMO				

WEEK-3, DECEMBER 19th to 23th

TIME TABLE	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
9:00-10:00	AQFT	AQFT	NO LESSONS	NO LESSONS	NO LESSONS
10:00-11:00	AQFT	AQFT			
11:00-12:00	SM	SM			
12:00-13:00		COSMO			
13:00-14:00		COSMO			
15:00-16:00					
16:00-17:00	COSMO				
17:00-18:00	COSMO				

WEEK-4, JANUARY 9th TO 13th

TIME TABLE	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
9:00-10:00		AQFT	AQFT		
10:00-11:00		AQFT	AQFT	FEP	FEP
11:00-12:00	SM	SM	SM	FEP	FEP
12:00-13:00		COSMO	SM	EEE	EEE
13:00-14:00		COSMO		EEE	EEE
15:00-16:00			FEP		
16:00-17:00	COSMO		FEP		
17:00-18:00	COSMO				

WEEK-5, JANUARY 16th TO 20th

TIME TABLE	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
9:00-10:00		AQFT	AQFT		
10:00-11:00		AQFT	AQFT	FEP	FEP
11:00-12:00	SM	SM	SM	FEP	FEP
12:00-13:00		COSMO	SM	EEE	EEE
13:00-14:00		COSMO		EEE	EEE
15:00-16:00				FEP	
16:00-17:00	COSMO			FEP	
17:00-18:00	COSMO				

WEEK-6, JANUARY 23th TO 27th

TIME TABLE	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
9:00-10:00	(*)	(*)	HOLIDAYS UAM	HOLIDAYS UAM	HOLIDAYS UAM
10:00-11:00					
11:00-12:00					
12:00-13:00					
13:00-14:00					
15:00-16:00					
16:00-17:00					

(*) Can be used for evaluation activities, if needed.

WEEK-7, JANUARY 30th TO FEBRUARY 3rd

TIME TABLE	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
9:00-10:00		AQFT	AQFT		
10:00-11:00		AQFT	AQFT	FEP	
11:00-12:00	SM	SM	SM	FEP	
12:00-13:00		COSMO	SM	EEE	EEE
13:00-14:00		COSMO		EEE	EEE
15:00-16:00				FEP	
16:00-17:00	COSMO			FEP	
17:00-18:00	COSMO				

WEEK-8, FEBRUARY 6th TO 10th

TIME TABLE	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
9:00-10:00		AQFT	AQFT		
10:00-11:00		AQFT	AQFT		
11:00-12:00	SM	SM	SM		Trip to Calar Alto
12:00-13:00		COSMO	SM	EEE	
13:00-14:00		COSMO		EEE	
15:00-16:00					
16:00-17:00	COSMO				
17:00-18:00	COSMO				

WEEK-9, FEBRUARY 13th TO 17th

TIME TABLE	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
9:00-10:00		AQFT	AQFT		
10:00-11:00		AQFT	AQFT	FEP	FEP
11:00-12:00	SM	SM	SM	FEP	FEP
12:00-13:00		COSMO	SM	EEE	EEE
13:00-14:00		COSMO		EEE	EEE
15:00-16:00		EEE		FEP	
16:00-17:00	COSMO	EEE		FEP	
17:00-18:00					

WEEK-10, FEBRUARY 20th TO 24th

TIME TABLE	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
9:00-10:00		AQFT	AQFT		
10:00-11:00		AQFT	AQFT		
11:00-12:00	SM	SM	SM		
12:00-13:00		COSMO	SM	EEE	EEE
13:00-14:00		COSMO		EEE	EEE
15:00-16:00					
16:00-17:00	COSMO				
17:00-18:00	COSMO				

WEEK-11, FEBRUARY 27th TO MARCH 3rd

TIME TABLE	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
9:00-10:00		AQFT	AQFT		
10:00-11:00		AQFT	AQFT	SM / FEP	FEP
11:00-12:00	SM	SM	SM	SM /FEP	FEP
12:00-13:00		COSMO	SM	EEE	EEE
13:00-14:00		COSMO		EEE	EEE
15:00-16:00					
16:00-17:00	COSMO				
17:00-18:00	COSMO				

WEEK-12, MARCH 6th TO 10th - EVALUATION

TIME TABLE	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
morning	COSMO		AQFT		

WEEK-13, MARCH 13th TO 17th

TIME TABLE	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
morning	SM	FEP		EEE	

Deadline for second trimester and final marks submission: June 8th, 2023

THIRD TRIMESTER (MARCH 20 TO MAY 29)

Optional courses for both specialties:

32555 - *Astroparticle Physics (ASP)*: Coordinators: David G. Cerdeño and Miguel Sanchez-Conde

32556 - *Advanced Cosmology (COAv)*: Coordinator: Gustavo Yepes

33436 - *Advanced Gravitation (GRAAv)*: Coordinator: María J. Rodríguez

Optional courses orientated to the specialty of “Elementary Particles and Cosmology”:

32560 - *Open Problems in the Standard Model (OPSM)*: Coordinator: Enrique Fernández Martínez

32561 - *Experimental Particle Physics (FISExp)*: Coordinators: Jorge de Troconiz, Claudia Glasman, Juan Terrón

Optional courses orientated to the specialty of “Astrophysics and Physics of the Cosmos”:

32566 - *Computational Astrophysics (ACO)*: Coordinator: Weiguang Cui

32563 - *Galaxy Formation and Evolution (FEG)*: Coordinator: Daniel Ceverino

Lectures Faculty of Science (Aula 01.15.SS.201) (“FISExp”: Aula 01.15.SS.300)	M-15-201 (M-15-300)
Lectures in the Institute of Theoretical Physics (IFT)	Room “GRIS 1”

WEEK-1, MARCH 20th TO 24th

TIME TABLE	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
10:00-11:00	ASP	ASP	CoAV	CoAV	ACO
11:00-12:00	ASP	ASP	CoAV	CoAV	ACO
12:00-13:00	OPSM	OPSM	OPSM	FEG	FEG
13:00-14:00	OPSM	OPSM	OPSM	FEG	FEG
15:00-16:00	GRAAv	FISExp	FISExp	ACO	GRAAv
16:00-17:00	GRAAv	FISExp	FISExp	ACO	GRAAv

WEEK-2 MARCH 27th TO 31st

TIME TABLE	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
10:00-11:00	ASP	ASP	CoAV	CoAV	ACO
11:00-12:00	ASP	ASP	CoAV	CoAV	ACO
12:00-13:00	OPSM	OPSM	OPSM	FEG	FEG
13:00-14:00	OPSM	OPSM	OPSM	FEG	FEG
15:00-16:00	GRAAv	FISExp	FISExp	ACO	GRAAv
16:00-17:00	GRAAv	FISExp	FISExp	ACO	GRAAv

WEEK APRIL 3rd TO 7th - Easter Holidays

HOUR	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
	EASTER HOLIDAYS				

WEEK-4, APRIL 10th TO 14nd

TIME TABLE	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
10:00-11:00	HOLIDAYS	ASP	CoAV	CoAV	ACO
11:00-12:00		ASP	CoAV	CoAV	ACO
12:00-13:00		OPSM	OPSM	FEG	FEG
13:00-14:00		OPSM	OPSM	FEG	FEG
15:00-16:00		FISExp	FISExp	ACO	GRAAv
16:00-17:00		FISExp	FISExp	ACO	GRAAv

WEEK-5, APRIL 17th TO 21st

TIME TABLE	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
10:00-11:00	ASP	ASP	CoAV	CoAV	ACO
11:00-12:00	ASP	ASP	CoAV	CoAV	ACO
12:00-13:00	OPSM	OPSM	OPSM	FEG	FEG
13:00-14:00	OPSM	OPSM	OPSM	FEG	FEG
15:00-16:00	GRAAv	FISExp	FISExp	ACO	
16:00-17:00	GRAAv	FISExp	FISExp	ACO	

WEEK-6, MAY 24th TO 28th

TIME TABLE	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
10:00-11:00	ASP	ASP	CoAV	CoAV	ACO
11:00-12:00	ASP	ASP	CoAV	CoAV	ACO
12:00-13:00	OPSM	OPSM	OPSM	FEG	FEG
13:00-14:00	OPSM	OPSM	OPSM	FEG	FEG
15:00-16:00	GRAAv		GRAAv	ACO	GRAAv
16:00-17:00	GRAAv		GRAAv	ACO	GRAAv

FISExp: personal work

WEEK-7, MAY 1st TO 5th

TIME TABLE	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
10:00-11:00	ASP	ASP	CoAV	CoAV	ACO
11:00-12:00	ASP	ASP	CoAV	CoAV	ACO
12:00-13:00	OPSM	OPSM	OPSM	FEG	FEG
13:00-14:00	OPSM	OPSM	OPSM	FEG	FEG
15:00-16:00	GRAAv		GRAAv	ACO	
16:00-17:00	GRAAv		GRAAv	ACO	

FISExp: personal work

MASTER IN THEORETICAL PHYSICS

GROUP 280

WEEK-8, MAY 8th TO 12th

TIME TABLE	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
10:00-11:00	ASP	ASP	CoAV	CoAV	ACO
11:00-12:00	ASP	ASP	CoAV	CoAV	ACO
12:00-13:00	OPSM	OPSM	OPSM	FEG	FEG
13:00-14:00	OPSM	OPSM	OPSM	FEG	FEG
15:00-16:00	GRAAv		GRAAv	ACO	GRAAv
16:00-17:00	GRAAv		GRAAv	ACO	GRAAv

FISExp: personal work

WEEK-9, MAY 15th TO 19th

TIME TABLE	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
10:00-11:00	ASP	HOLIDAYS	CoAV	CoAV	ACO
11:00-12:00	ASP		CoAV	CoAV	ACO
12:00-13:00	OPSM		ASP	FEG	FEG
13:00-14:00	OPSM		ASP	FEG	FEG
15:00-16:00	GRAAv	HOLIDAYS		ACO	
16:00-17:00	GRAAv			ACO	

WEEK-10, MAY 22nd TO 26th – EVALUATION

TIME TABLE	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
morning	OPSM	COAv	ASP	ACO	FEG
afternoon	GRAAv		FISExp		

Deadline for third trimester and final marks submission: June 8th, 2023

MASTER THESIS

Ordinary call: WEEK JULY 4th TO 8th, 2023 – PRESENTATION TFM

Deadline for MSc thesis marks submission: July 13th, 2023

FINAL EVALUATION (SECOND CALL)

WEEK MAY 30 TO JUNE 3rd

TIME TABLE	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
MORNING	GRA	QFT	MAV	PRA	TOA
AFTERNOON					

WEEK JUNE 6th TO JUNE 10th

TIME TABLE	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
MORNING	At the Centre's discretion	POSSIBLE EXAMS EvAU 2022			EEE
AFTERNOON					

WEEK JUNE 13th TO 17th

TIME TABLE	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
MORNING	COSMO	AQFT	SM	FEP	MEIN
AFTERNOON					

WEEK JUNE 20st TO 24th

TIME TABLE	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
MORNING	ASP	OPSM	COAv	ACO	GRAAv
AFTERNOON					

WEEK JUNE 27th TO JULY 1st

TIME TABLE	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
MORNING	QEI	FisExp		FEG	
AFTERNOON					

Deadline for final marks submission: July 5th, 2023

MASTER THESIS

Second call: WEEK SEPTEMBER 4th TO 8th - PRESENTATIONS TFM

Deadline for final marks submission (Master Thesis), until September 21st, 2023