CORSO DI LAUREA MAGISTRALE INTERNAZIONALE IN PHYSICS

ORARIO LEZIONI A.A. 2024/2025 - 1° PERIODO DIDATTICO (dal **1 ottobre 2024** al **18 gennaio 2025**)

CURRICULUM **ASTROPHYSICS** - **1° ANNO**

ora	**LUNEDÌ**	**MARTEDÌ**	**MERCOLEDÌ**	**GIOVEDÌ**	**VENERDÌ**
8 - 9					
9 - 10	Plasma Spectroscopy (prof. Lanzafame) – Aula L	Magnetohydrodynamics and Plasma Physics (Prof. Bonanno) – Aula L		Astrophysics Laboratory (Prof. Leone) – OACT Aula EST / OVEST	
10 - 11	Plasma Spectroscopy (prof. Lanzafame) – Aula L	Magnetohydrodynamics and Plasma Physics (Prof. Bonanno) – Aula L	Advanced Quantum Mechanics (Prof. Greco) – Aula M	Astrophysics Laboratory (Prof. Leone) – OACT Aula EST / OVEST	
11 - 12	Magnetohydrodynamics and Plasma Physics (Prof. Bonanno) – Aula L	Astrophysics (Prof. Lanzafame) – Aula I	Advanced Quantum Mechanics (Prof. Greco) – Aula M	Plasma Spectroscopy (prof. Lanzafame) – OACT Aula EST / OVEST	Advanced Quantum Mechanics (Prof. Greco) – Aula M
12 - 13	Magnetohydrodynamics and Plasma Physics (Prof. Bonanno) – Aula L	Astrophysics (Prof. Lanzafame) – Aula I	Advanced Quantum Mechanics (Prof. Greco) – Aula M	Plasma Spectroscopy (prof. Lanzafame) – OACT Aula EST / OVEST	Advanced Quantum Mechanics (Prof. Greco) – Aula M
13-14		Astrophysics (Prof. Lanzafame) – Aula I		Plasma Spectroscopy (prof. Lanzafame) – OACT Aula EST / OVEST	
14-15					
15 - 16		Astrophysics Laboratory (Prof. Leone) – Aula Est OACT	Astrophysics (Prof. Lanzafame) – Aula M		
16 - 17		Astrophysics Laboratory (Prof. Leone) – Aula Est OACT	Astrophysics (Prof. Lanzafame) – Aula M		
17 - 18					

CURRICULUM **ASTROPHYSICS** - 2° ANNO

	LUNEDÌ	**MARTEDÌ**	**MERCOLEDÌ**	**GIOVEDÌ**	**VENERDÌ**
8 - 9					
9 - 10	Advanced cosmology (Prof. Puglisi) OACT Aula EST / OVEST	Extragalactic Astronomy and Cosmology (Prof. Del Popolo) – OACT Aula EST / OVEST		Advanced cosmology (Prof. Puglisi) OACT Sala riunioni	
10 - 11	Advanced cosmology (Prof. Puglisi) OACT Aula EST / OVEST	Extragalactic Astronomy and Cosmology (Prof. Del Popolo) – OACT Aula EST / OVEST		Advanced cosmology (Prof. Puglisi) OACT Sala riunioni	
11 - 12	Radioastronomy – Trigilio OACT Aula EST / OVEST	Radioastronomy – Trigilio OACT Aula EST / OVEST		Extragalactic Astronomy and Cosmology (Prof. Del Popolo) – OACT Sala riunioni	
12 - 13	Radioastronomy – Trigilio OACT Aula EST / OVEST	Radioastronomy – Trigilio OACT Aula EST / OVEST		Extragalactic Astronomy and Cosmology (Prof. Del Popolo) – Aula Est OACT Sala riunioni	
13 - 14					
15 - 16		Cosmic Ray Physics (Prof.ssa Caruso) – Aula D		Cosmic Ray Physics (Prof.ssa Caruso) – Aula D	
16 - 17		Cosmic Ray Physics (Prof.ssa Caruso) – Aula D		Cosmic Ray Physics (Prof.ssa Caruso) – Aula D	
17 - 18					

CURRICULUM **APPLIED PHYSICS - 1° ANNO**

ora	LUNEDÌ	MARTEDÌ	MERCOLEDÌ	GIOVEDÌ	VENERDÌ
8 - 9		Solid State Physics (Prof. Angilella) – Aula T		Solid State Physics (Prof. Angilella) – Aula T	
9 - 10	Nuclear and Particle Physics II (Prof.ssa Tricomi) – Aula T	Solid State Physics (Prof. Angilella) – Aula T		Solid State Physics (Prof. Angilella) – Aula T	Biophysics (Prof. Lanzano') – Aula D
10 - 11	Nuclear and Particle Physics II (Prof.ssa Tricomi) – Aula T	Nuclear and Particle Physics II (Prof.ssa Tricomi) – Aula T	Advanced Quantum Mechanics (Prof. Greco) – Aula M	Nuclear and Particle Physics II (Prof.ssa Tricomi) – Aula T	Biophysics (Prof. Lanzano') – Aula D
11 - 12	Nuclear and Particle Physics Laboratory (Prof. Politi) – Aula F	Nuclear and Particle Physics II (Prof.ssa Tricomi) – Aula T	Advanced Quantum Mechanics (Prof. Greco) – Aula M	Nuclear and Particle Physics II (Prof.ssa Tricomi) – Aula T	Advanced Quantum Mechanics (Prof. Greco) – Aula M
12 - 13	Nuclear and Particle Physics Laboratory (Prof. Politi) – Aula F	Biophysics (Prof. Lanzano') – Aula D	Advanced Quantum Mechanics (Prof. Greco) – Aula M		Advanced Quantum Mechanics (Prof. Greco) – Aula M
13 - 14		Biophysics (Prof. Lanzano') – Aula D			
15 - 16	Nuclear and Particle Physics Laboratory (Prof. Politi) – Aula F		Nuclear and Particle Physics Laboratory (Prof. Politi) – Aula F		
16 - 17	Nuclear and Particle Physics Laboratory (Prof. Politi) – Aula F		Nuclear and Particle Physics Laboratory (Prof. Politi) – Aula F		

CURRICULUM **APPLIED PHYSICS - 2° ANNO**

ORA	LUNEDÌ	MARTEDÌ	MERCOLEDÌ	GIOVEDÌ	VENERDÌ
8 - 9		Spectroscopy (Prof. Reitano) – Aula F	Spectroscopy (Prof. Reitano) – Aula F		
9 - 10		Spectroscopy (Prof. Reitano) – Aula F	Spectroscopy (Prof. Reitano) – Aula F		Biophysics (Prof. Lanzano') – Aula D
10 - 11					Biophysics (Prof. Lanzano') – Aula D
11 - 12	Nuclear and Particle Physics Laboratory (Prof. Politi) – Aula F				
12 - 13	Nuclear and Particle Physics Laboratory (Prof. Politi) – Aula F	Biophysics (Prof. Lanzano') – Aula D			
13 - 14		Biophysics (Prof. Lanzano') – Aula D			
15 - 16	Nuclear and Particle Physics Laboratory (Prof. Politi) – Aula F		Nuclear and Particle Physics Laboratory (Prof. Politi) – Aula F		
16 - 17	Nuclear and Particle Physics Laboratory (Prof. Politi) – Aula F		Nuclear and Particle Physics Laboratory (Prof. Politi) – Aula F		
17 - 18					
18-19					

CURRICULUM **CONDENSED MATTER PHYSICS - 1° ANNO**

ORA	**LUNEDÌ**	**MARTEDÌ**	**MERCOLEDÌ**	**GIOVEDÌ**	**VENERDÌ**
8 - 9		Solid State Physics (Prof. Angilella) – Aula T	Advanced Statistical Mechanics (Prof. Rapisarda) – Aula M	Solid State Physics (Prof. Angilella) – Aula T	Advanced Statistical Mechanics (Prof. Rapisarda) – Aula M
9 - 10		Solid State Physics (Prof. Angilella) – Aula T	Advanced Statistical Mechanics (Prof. Rapisarda) – Aula M	Solid State Physics (Prof. Angilella) – Aula T	Advanced Statistical Mechanics (Prof. Rapisarda) – Aula M
10 - 11		Physics and Technology of Materials (Prof. Terrasi-Boscarino) Aula F	Advanced Quantum Mechanics (Prof. Greco) – Aula M	Physics and Technology of Materials (Prof. Terrasi-Boscarino) Aula F	Advanced Statistical Mechanics (Prof. Rapisarda) – Aula M
11 - 12		Physics and Technology of Materials (Prof. Terrasi-Boscarino) Aula F	Advanced Quantum Mechanics (Prof. Greco) – Aula M	Physics and Technology of Materials (Prof. Terrasi-Boscarino) Aula F	Advanced Quantum Mechanics (Prof. Greco) – Aula M
12 - 13			Advanced Quantum Mechanics (Prof. Greco) – Aula M		Advanced Quantum Mechanics (Prof. Greco) – Aula M
13-14					
15- 16					
16- 17					

CURRICULUM **CONDENSED MATTER PHYSICS - 2° ANNO**

ORA	LUNEDÌ	MARTEDÌ	MERCOLEDÌ	GIOVEDÌ	VENERDÌ
8 - 9		Spectroscopy (Prof. Reitano) – Aula F	Quantum Information and Foundations (Prof. Falci - Chiriaco') – Aula C Spectroscopy (Prof. Reitano) – Aula F	Quantum Information and Foundations (Proff. Falci-Chiriaco') – Aula C	
9 - 10	Quantum Information and Foundations (Proff. Falci-Chiriaco') – Aula C	Spectroscopy (Prof. Reitano) – Aula F	Quantum Information and Foundations (Prof. Falci - Chiriaco') – Aula C Spectroscopy (Prof. Reitano) – Aula F	Quantum Information and Foundations (Proff. Falci-Chiriaco') – Aula C	Quantum Physics of Nanostructures (Prof. Ruffino) – Aula F
10 - 11	Computational Quantum Optics (Prof. Ridolfo) – Aula C				Quantum Physics of Nanostructures (Prof. Ruffino) – Aula F
11 - 12	Computational Quantum Optics (Prof. Ridolfo) – Aula C		Computational Quantum Optics (Prof. Ridolfo) – Aula C		
12 - 13	Computational Quantum Optics (Prof. Ridolfo) – Aula C		Computational Quantum Optics (Prof. Ridolfo) – Aula C		
13 - 14					
15 – 16	Many Body Theory (Proff. Angilella-Chiriaco') – Aula I	Quantum Physics of Nanostructures (Prof. Ruffino) – Aula F	Many Body Theory (Proff. Angilella-Chiriaco') – Aula I		
16 - 17	Many Body Theory (Proff. Angilella-Chiriaco') – Aula I	Quantum Physics of Nanostructures (Prof. Ruffino) – Aula F	Many Body Theory (Proff. Angilella-Chiriaco') – Aula I		

CURRICULUM **NUCLEAR AND PARTICLE PHYSICS** - **1° ANNO**

ORA	**LUNEDÌ**	**MARTEDÌ**	**MERCOLEDÌ**	**GIOVEDÌ**	**VENERDÌ**
8 - 9		Solid State Physics (Prof. Angilella) – Aula T		Solid State Physics (Prof. Angilella) – Aula T	
9 - 10	Nuclear and Particle Physics (Prof.ssa Tricomi) – Aula T	Solid State Physics (Prof. Angilella) – Aula T		Solid State Physics (Prof. Angilella) – Aula T	
10 - 11	Nuclear and Particle Physics (Prof.ssa Tricomi) – Aula T	Nuclear and Particle Physics (Prof.ssa Tricomi) – Aula T	Advanced Quantum Mechanics (Prof. Greco) – Aula M	Nuclear and Particle Physics (Prof.ssa Tricomi) – Aula T	
11 - 12	Nuclear and Particle Physics Laboratory (Prof. Politi) – Aula F	Nuclear and Particle Physics (Prof.ssa Tricomi) – Aula T	Advanced Quantum Mechanics (Prof. Greco) – Aula M	Nuclear and Particle Physics (Prof.ssa Tricomi) – Aula T	Advanced Quantum Mechanics (Prof. Greco) – Aula M
12 - 13	Nuclear and Particle Physics Laboratory (Prof. Politi) – Aula F	Quantum Field Theory I (Prof. Branchina) – Aula L	Advanced Quantum Mechanics (Prof. Greco) – Aula M		Advanced Quantum Mechanics (Prof. Greco) – Aula M
13 - 14		Quantum Field Theory I (Prof. Branchina) – Aula L			
14 - 15				Quantum Field Theory I (Prof. Branchina) – Aula L	
15 - 16	Nuclear and Particle Physics Laboratory (Prof. Politi) – Aula F		Nuclear and Particle Physics Laboratory (Prof. Politi) – Aula F	Quantum Field Theory I (Prof. Branchina) – Aula L	
16 - 17	Nuclear and Particle Physics Laboratory (Prof. Politi) – Aula F		Nuclear and Particle Physics Laboratory (Prof. Politi) – Aula F	Quantum Field Theory I (Prof. Branchina) – Aula L	

CURRICULUM **NUCLEAR AND PARTICLE PHYSICS - 2° ANNO**

	LUNEDÌ	**MARTEDÌ**	**MERCOLEDÌ**	**GIOVEDÌ**	**VENERDÌ**
8 - 9	Nuclear Structure (Prof. Cappuzzello) – Aula I			Nuclear Structure (Prof. Cappuzzello) – Aula I	
9 - 10	Nuclear Structure (Prof. Cappuzzello) – Aula I	Data Analysis Techniques for Nuclear and Particle Physics – Prof. Anastasi Aula C	Elementary Particle Physics (Prof.ssa Tricomi) – Aula I	Nuclear Structure (Prof. Cappuzzello) – Aula I	Elementary Particle Physics (Prof.ssa Tricomi) – Aula I
10 - 11		Data Analysis Techniques for Nuclear and Particle Physics – Prof. Anastasi Aula C	Elementary Particle Physics (Prof.ssa Tricomi) – Aula I	Nuclear Structure (Prof. Cappuzzello) – Aula I	Elementary Particle Physics (Prof.ssa Tricomi) – Aula I
11 - 12	Elementary Particle Physics (Prof.ssa Tricomi) – Aula D		Heavy Ions Physics at Intermediate High Energy (Prof. Tuvè/Geraci) – Aula D	Data Analysis Techniques for Nuclear and Particle Physics – Prof. Anastasi Aula C	Heavy Ions Physics at Intermediate High Energy (Prof. Tuvè/Geraci) – Aula C
12 - 13	Elementary Particle Physics (Prof.ssa Tricomi) – Aula D	Heavy Ions Physics at Intermediate High Energy (Prof. Tuvè/Geraci) – Aula C	Heavy Ions Physics at Intermediate High Energy (Prof. Tuvè/Geraci) – Aula D	Data Analysis Techniques for Nuclear and Particle Physics – Prof. Anastasi Aula C	Heavy Ions Physics at Intermediate High Energy (Prof. Tuvè/Geraci) – Aula C
13 - 14		Heavy Ions Physics at Intermediate High Energy (Prof. Tuvè/Geraci) – Aula C			

CURRICULUM **THEORETICAL PHYSICS - 1° ANNO**

ORA	**LUNEDÌ**	**MARTEDÌ**	**MERCOLEDÌ**	**GIOVEDÌ**	**VENERDÌ**
8 - 9		Solid State Physics (Prof. Angilella) – Aula T	Advanced Statistical Mechanics (Prof. Rapisarda) – Aula M	Solid State Physics (Prof. Angilella) – Aula T	Advanced Statistical Mechanics (Prof. Rapisarda) – Aula M
9 - 10		Solid State Physics (Prof. Angilella) – Aula T	Advanced Statistical Mechanics (Prof. Rapisarda) – Aula M	Solid State Physics (Prof. Angilella) – Aula T	Advanced Statistical Mechanics (Prof. Rapisarda) – Aula M
10 - 11			Advanced Quantum Mechanics (Prof. Greco) – Aula M		Advanced Statistical Mechanics (Prof. Rapisarda) – Aula M
11 - 12			Advanced Quantum Mechanics (Prof. Greco) – Aula M		Advanced Quantum Mechanics (Prof. Greco) – Aula M
12 - 13		Quantum Field Theory I (Prof. Branchina) – Aula L	Advanced Quantum Mechanics (Prof. Greco) – Aula M		Advanced Quantum Mechanics (Prof. Greco) – Aula M
13 - 14		Quantum Field Theory I (Prof. Branchina) – Aula L			
14 - 15				Quantum Field Theory I (Prof. Branchina) – Aula L	
15 - 16				Quantum Field Theory I (Prof. Branchina) – Aula L	
16 - 17				Quantum Field Theory I (Prof. Branchina) – Aula L	

CURRICULUM **THEORETICAL PHYSICS - 2° ANNO**

ORA	LUNEDÌ	MARTEDÌ	MERCOLEDÌ	GIOVEDÌ	VENERDÌ
8 - 9					
9 - 10	Nuclear and Particle Physics II (Prof.ssa Tricomi) – Aula T				
10 - 11	Nuclear and Particle Physics II (Prof.ssa Tricomi) – Aula T	Nuclear and Particle Physics II (Prof.ssa Tricomi) – Aula T		Nuclear and Particle Physics II (Prof.ssa Tricomi) – Aula T	
11 - 12		Nuclear and Particle Physics II (Prof.ssa Tricomi) – Aula T		Nuclear and Particle Physics II (Prof.ssa Tricomi) – Aula T	
12 - 13				Standard Model Theory (Prof. Plumari) – Aula L	
13 - 14				Standard Model Theory (Prof. Plumari) – Aula L	
15 - 16	Many Body Theory (Proff. Angilella-Chiriaco') – Aula I	Standard Model Theory (Prof. Plumari) – Aula L	Many Body Theory (Proff. Angilella-Chiriaco') – Aula I		
16 - 17	Many Body Theory (Proff. Angilella-Chiriaco') – Aula I	Standard Model Theory (Prof. Plumari) – Aula L	Many Body Theory (Proff. Angilella-Chiriaco') – Aula I		
17-18		Standard Model Theory (Prof. Plumari) – Aula L			

CURRICULUM **NUCLEAR PHENOMENA AND THEIR APPLICATIONS - 1° ANNO**

ORA	LUNEDÌ	MARTEDÌ	MERCOLEDÌ	GIOVEDÌ	VENERDÌ
8 - 9	c/o Università di Siviglia	c/o Università di Siviglia	c/o Università di Siviglia	c/o Università di Siviglia	c/o Università di Siviglia
9 - 10	c/o Università di Siviglia	c/o Università di Siviglia	c/o Università di Siviglia	c/o Università di Siviglia	c/o Università di Siviglia
10 - 11	c/o Università di Siviglia	c/o Università di Siviglia	c/o Università di Siviglia	c/o Università di Siviglia	c/o Università di Siviglia
11 - 12	c/o Università di Siviglia	c/o Università di Siviglia	c/o Università di Siviglia	c/o Università di Siviglia	c/o Università di Siviglia
12 - 13	c/o Università di Siviglia	c/o Università di Siviglia	c/o Università di Siviglia	c/o Università di Siviglia	c/o Università di Siviglia
13 - 14	c/o Università di Siviglia	c/o Università di Siviglia	c/o Università di Siviglia	c/o Università di Siviglia	c/o Università di Siviglia