

// Master 2 sciences de la matière – parcours Physique

// Calendrier annuel 2023-2024

- La réunion de rentrée aura lieu le **04/09/2023 Grand Amphi de Physique-Chimie à 10:00**. Présence de tous les étudiants obligatoire.
- Un projet de stage devra être déposé aux responsables de formation avant le **15/01/2024**.
- Durée minimale du stage: 16 semaines (21 ECTS)
- Soutenances de stage à partir du 10/07/2023.

Période		Début	Fin	Période		Débu	Fin
3A	Cours	4/9	20/10	4A	Ecole	15/1	19/1
	Révisions	23/10	27/10		Cours	22/1	23/2
	Examens	30/10	3/11		Examens	29/2	5/3
	Rattrapages	18/12	22/12		Break	7/3	8/3
3B	Cours	6/11	22/12		Rattrapages	3/07	7/07
	Break	23/12	7/1	4B	Stage	11/3	28
	Examens	8/1	12/1		Soutenances	08/07	12/07
Rattrapages	26/2	28/2					

	Septembre				Octobre				Novembre				Décembre				Janvier			Février				Mars						
L	4/9	11/9	18/9	25/9	2/10	9/10	16/10	23/10	30/10	6/11	13/11	20/11	27/11	4/12	11/12	18/12	25/12	1/1	8/1	15/1	22/1	29/1	5/2	12/2	19/2	26/2	4/3	11/3	18/3	25/3
M	5/9	12/9	19/9	26/9	3/10	10/10	17/10	24/10	31/10	7/11	14/11	21/11	28/11	5/12	12/12	19/12	26/12	2/1	9/1	16/1	23/1	30/1	6/2	13/2	20/2	27/2	5/3	12/3	19/3	26/3
M	6/9	13/9	20/9	27/9	4/10	11/10	18/10	25/10	1/11	8/11	15/11	22/11	29/11	6/12	13/12	20/12	27/12	3/1	10/1	17/1	24/1	31/1	7/2	14/2	21/2	28/2	6/3	13/3	20/3	27/3
J	7/9	14/9	21/9	28/9	5/10	12/10	19/10	26/10	2/11	9/11	16/11	23/11	30/11	7/12	14/12	21/12	28/12	4/1	11/1	18/1	25/1	1/2	8/2	15/2	22/2	29/2	7/3	14/3	21/3	28/3
V	8/9	15/9	22/9	29/9	6/10	13/10	20/10	27/10	3/11	10/11	17/11	24/11	1/12	8/12	15/12	22/12	29/12	5/1	12/1	19/1	26/1	2/2	9/2	16/2	23/2	1/3	8/3	15/3	22/3	29/3
S	9/9	16/9	23/9	30/9	7/10	14/10	21/10	28/10	4/11	11/11	18/11	25/11	2/12	9/12	16/12	23/12	30/12	6/1	13/1	20/1	27/1	3/2	10/2	17/2	24/2	2/3	9/3	16/3	23/3	30/3
D	10/9	17/9	24/9	1/10	8/10	15/10	22/10	29/10	5/11	12/11	19/11	26/11	3/12	10/12	17/12	24/12	31/12	7/1	14/1	21/1	28/1	4/2	11/2	18/2	25/2	3/3	10/3	17/3	24/3	31/3

// Master 2 sciences de la matière – parcours Physique: concepts et applications

//Semestre 3A

Cours: 24h TD: 12h ECTS: 6

Les salles d'enseignements sont susceptibles de changer en fonction des règles sanitaires imposées au cours de l'année

	Lundi		Mardi		Mercredi		Jeudi		Vendredi				
	Cours	Amphi	Cours	Amphi	Cours	Amphi	Cours	Amphi	Cours	Amphi			
8h - 10h	Interacting quantum fields H. Hansen	Advanced soft condensed matter D. Bartolo & A. Nicolas	C/F	Interacting quantum fields D. Tsimpis	C	Advanced statistical mechanics F. Detchevery	C	Interacting quantum fields D. Tsimpis	Advanced soft condensed matter D. Bartolo & A. Nicolas	C/27 (*)	Path Integrals and applications M. Magro & H. Roussille	Advanced soft condensed matter D. Bartolo & A. Nicolas	C/F
10h15 - 12h15	Colloquium of the Laboratoire de Physique (11h00-12h00)		Amphi Physique	General relativity and cosmology M. Geiller & A. Deandrea	C	Advanced EM and ultrafast optics E. Constant	C	Advanced EM and ultrafast optics E. Constant	C	Advanced statistical mechanics E. Bertin	C		
13h30 - 15h30	Advanced Computational statistical physics R. Everaers	General relativity and cosmology M. Geiller & A. Deandrea	C/F	Path Integrals and applications M. Magro & H. Roussille	C	Nonlinear physics and instabilities A. Pumir & O. Pierre- Louis	C	Advanced EM and ultrafast optics S. Skupin	C	Advanced statistical mechanics E. Bertin	C		
15h45 - 17h45	Advanced Computational statistical physics R. Everaers	General relativity and cosmology M. Geiller & A. Deandrea	C/F	Advanced Computational statistical physics R. Everaers	C	Nonlinear physics and instabilities A. Pumir & O. Pierre- Louis	C	Path Integrals and applications M. Magro & H. Roussille	C	Nonlinear physics and instabilities A. Pumir & O. Pierre- Louis	C		

(*) le cours d'Advanced Soft Matter du jeudi 19/10 aura exceptionnellement lieu en salle 105 (ex. 116)

// Master 2 sciences de la matière – parcours Physique: concepts et applications

//Semestre 3B

Cours: 24h TD: 12h ECTS: 6

	Lundi		Mardi		Mercredi		Jeudi		Vendredi					
	Cours	Amphi	Cours	Amphi	Cours	Amphi	Cours	Amphi	Cours	Amphi				
8h - 10h	Advanced fluid mechanics and turbulence A. Naso & R. Volk (8h45-10h45)				Particle physics I. Laktineh N. Chanon		Advanced aspects of symmetries F. Delduc		Quantum Many-Body Physics F. Mezzacapo					
10h15 - 12h15	Colloquium of the Laboratoire de Physique (11h00-12h00)		Nanophysics V. Giordano & S. Pailhes		Advanced fluid mechanics and turbulence A. Naso & R. Volk		Particle physics I. Laktineh N. Chanon		Advanced aspects of symmetries F. Gieres		Nanophysics V. Giordano & S. Pailhes		Phase transitions and critical phenomena L. Canet A. Fedorenko	
13h30 - 15h30	Biophysics F. Montel A.-F. Bitbol & J. Derr	Gauge theories H. Samtleben & N. Mahmoudi	Quantum Many-Body Physics S. Florens		Advanced fluid mechanics and turbulence A. Naso & R. Volk		Advanced aspects of symmetries F. Gieres		Particle physics I. Laktineh N. Chanon		Nanophysics V. Giordano & S. Pailhes		Phase transitions and critical phenomena L. Canet A. Fedorenko	
15h45 - 17h45	Biophysics F. Montel A.-F. Bitbol & J. Derr	Gauge theories H. Samtleben & N. Mahmoudi	Quantum Many-Body Physics S. Florens	Biophysics F. Montel A.-F. Bitbol & J. Derr	Phase transitions and critical phenomena L. Canet A. Fedorenko		Gauge theories H. Samtleben & N. Mahmoudi		Geophysics S. Labrosse (14h00-17h00)					

// Master 2 sciences de la matière – parcours Physique: concepts et applications

//Semestre 4A: 22/01/2023-23/02/2023

Cours: 9x2h15=18h ECTS: 3

	Lundi		Mardi		Mercredi		Jeudi		Vendredi	
	Cours		Cours		Cours		Cours		Cours	
8h - 10h15					Topological phases D. Carpentier Amphi C		Topological phases D. Carpentier Amphi C			
10h30 - 12h45	Colloquium of the Laboratoire de Physique Amphi. Schrödinger (11h00-12h00)		Physics for Climate J.-L. Dufresne Amphi C	String Theory D. Andriot Amphi F	Advanced Granular media N. Taberlet Amphi E	Nuclear and Astronuclear physics D. Davesne Amphi C	Large deviations V. Lecomte Salle 116	Gravitational Wave Physics A. Arbey Amphi C	Advanced Mechanics E. Bayart and J. Marthelot Salle 14	Effective field theories D. Guadagnoli Amphi C
13h30 - 15h45	Integrable models J.-M. Maillet Amphi C	Active Matter C. Cottin- Bizonne Amphi F	Physics for Climate J.-L. Dufresne Amphi C	String Theory D. Andriot Amphi F	Advanced Granular media N. Taberlet Amphi E	Nuclear and Astronuclear physics D. Davesne Amphi C	Large deviations V. Lecomte Salle 116	Gravitational Wave Physics A. Arbey Amphi C	Advanced Mechanics E. Bayart and J. Marthelot Salle 14	Effective field theories D. Guadagnoli Amphi C
16h00 - 18h15		Active Matter C. Cottin- Bizonne	Atmospheric and Oceanic Fluid Dynamics C. Herbert Amphi C		Integrable models J.-M. Maillet Amphi C		Atmospheric and Oceanic Fluid Dynamics C. Herbert Amphi C			