

// Master 2 sciences de la matière – parcours Physique

// Calendrier annuel 2025-2026

- **Début des cours le 01/09/2025 à 8h00**
- La réunion de rentrée aura lieu le **01/09/2025 à 10:00**. Présence de tous les étudiants obligatoire.
- Un projet de stage devra être déposé aux responsables de formation avant le **15/01/2026**.
- Durée minimale du stage: 16 semaines (21 ECTS)
- Soutenances de stage à partir du 06/07/2026.

Période		Début	Fin	Période		Début	Fin
3A	Cours	1/9	17/10	4A	Ecole	12/1	16/1
	Révisions	20/10	24/10		Cours	19/1	20/2
	Examens	27/10	31/10		Examens	26/2	3/3
	Rattrapages	15/12	19/12		Break	4/3	6/3
3B	Cours	3/11	19/12		Rattrapages	29/06	03/07
	Break	20/12	4/1	4B	Stage	9/3	26/06
	Examens	5/1	9/1		Soutenances	06/07	10/07
	Rattrapages	23/2	27/2				

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

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

//Semestre 3A : 01/09 - 17/10

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

Cours: 24h TD: 12h ECTS: 6

	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	Advanced soft condensed matter D. Bartolo & A. Nicolas	C/27	Advanced statistical mechanics L. Chevillard & V. Démery	C		Interacting quantum fields D. Tsimpis	Advanced soft condensed matter D. Bartolo & A. Nicolas	C/27	Path Integrals and applications M. Magro & H. Roussille	Nonlinear physics and instabilities V. Démery & O. Pierre-Louis	C/F
10h15 - 12h15	Colloquium of the Laboratoire de Physique (11h00-12h00)		Condorcet			C	Advanced EM and ultrafast optics E. Constant		G/C	Advanced EM and ultrafast optics E. Constant		C	Advanced statistical mechanics L. Chevillard & V. Démery		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 V. Démery & O. Pierre- Louis	C		Advanced EM and ultrafast optics S. Skupin		C	Adv. Geophysics S. Labrosse (14h00-17h00)		(**)
15h45 - 17h45	Advanced Computational statistical physics R. Everaers	General relativity and cosmology M. Geiller & A. Deandrea	C/F(*)	Advanced Computational statistical physics R. Everaers	General relativity and cosmology M. Geiller & A. Deandrea	C/009(+)	Nonlinear physics and instabilities V. Démery & O. Pierre- Louis	C		Path Integrals and applications M. Magro & H. Roussille		C	Adv. Geophysics S. Labrosse (14h00-17h00)		(**)

(*) Amphi G (au lieu de F) le 01/09

(+) Amphi F le 02/09

(**) Amphi à préciser

//Semestre 3B: 3/11 - 19/12

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 & W. Bos	C	Computational Quantum Physics T. Roscilde & F. Mezzacapo	(**)	Particle physics I. Laktineh & N. Chanon	C	Advanced aspects of symmetries F. Delduc	C	Quantum Many-Body Physics F. Mezzacapo	C
10h15 - 12h15	Colloquium of the Laboratoire de Physique (11h00-12h00)		Phase transitions and critical phenomena L. Canet & A. Fedorenko	C	Particle physics I. Laktineh & N. Chanon	C/027	Advanced aspects of symmetries F. Gieres	C/14 (ex 009)	Phase transitions and critical phenomena L. Canet & A. Fedorenko	C
13h30 - 15h30	Biophysics F. Montel & A.-F. Bitbol & J. Derr	C/F	Quantum Many-Body Physics S. Florens	C	Advanced fluid mechanics and turbulence A. Naso & W. Bos	C/F	Particle physics I. Laktineh & N. Chanon	C/E	Phase transitions and critical phenomena L. Canet & A. Fedorenko	C/(**)
15h45 - 17h45	Biophysics F. Montel & A.-F. Bitbol & J. Derr	C/F	Quantum Many-Body Physics S. Florens	C/F	Advanced fluid mechanics and turbulence A.A Naso & W. Bos	C	Gauge theories H. Samtleben & N. Mahmoudi	C	Computational Quantum Physics T. Roscilde & F. Mezzacapo	Adv. Geophysics S. Labrosse (14h00-17h00) (**)/(**)

(**) Amphi à préciser

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

//Semestre 4A: 12/01 - 16/01

Thematic School: 1 week ECTS: 3[illegible]

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

//Semestre 4A: 19/01 - 20/02

Cours: 9x2h15=18h ECTS: 3

	Lundi		Mardi		Mercredi		Jeudi		Vendredi	
	Cours	Amphi	Cours	Amphi	Cours	Amphi	Cours	Amphi	Cours	Amphi
8h - 10h15	Cours Mathematica		Cours Mathematica		Topological phases D. Carpentier Amphi C		Topological phases D. Carpentier Amphi C		Cours Mathematica	
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 105	Gravitational Wave Physics A. Arbey Amphi C	Advanced Mechanics J. Marthelot Amphi E	Effective field theories D. Guadagnoli Amphi C
13h30 - 15h45	Introduction to Broken Symmetry in Physics B. van Tiggelen 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 105	Gravitational Wave Physics A. Arbey Amphi C	Advanced Mechanics J. Marthelot Amphi E	Effective field theories D. Guadagnoli Amphi C
16h00 - 18h15	Introduction to Broken Symmetry in Physics B. van Tiggelen Amphi F		Integrable models K. Kozlowski Amphi C		Atmospheric and Oceanic Fluid Dynamics C. Herbert Amphi E	Integrable models K. Kozlowski Amphi C	Atmospheric and Oceanic Fluid Dynamics C. Herbert Amphi C	Quantum Technology & control B. Huard Amphi F	Quantum Technology & control B. Huard Amphi F	