

## FACULTAT DE FÍSICA ENSENYAMENT OFICIAL DE GRAU DE FÍSICA

Berta Martínez Pàmias, amb DNI o passaport 47262747, va accedir a aquest ensenyament amb les dades següents:

Tipus: preinscripció OOAU Via: PAU o assimilats Superat/ada: Juny de 2016 Qualificació d'accés: 9,420

Universitat: Universitat de Barcelona

i ha cursat les assignatures que es relacionen seguint l'itinerari: Menció en Física Fonamental.

Assignatures		Idioma Docència	Tipus	Crèdits	Curs	Qualificació/ Qualif. ECTS
210266	Matèria:Física   Branca:CIÈNCIES					
360563	Fonaments de Mecànica	cat	FB	6,0	2016-17	5,4 (AP) /D
360564	Fonaments d'Ones, Fluids i Termodinàmica	spa	FB	6,0	2016-17	5,0 (AP) /D
360565	Fonaments d'Electromagnetisme i Òptica	spa	FB	6,0	2016-17	7,6 (NT) /A
360566	Fonaments de Laboratori	cat	FB	6,0	2016-17	8,8 (NT) /A
210267	Matèria:Química   Branca:CIÈNCIES					
360567	Química	cat	FB	6,0	2016-17	7,6 (NT) /B
210268	Matèria:Matemàtiques   Branca:CIÈNCIES					
360568	Àlgebra Lineal i Geometria	cat	FB	6,0	2016-17	6,7 (AP) /C
360569	Càlcul d'una Variable	-	FB	6,0	2016-17	6,7 (AP) /B
360570	Càlcul de Diverses Variables	cat	FB	6,0	2016-17	6,5 (AP) /C
360571	Equacions Diferencials i Càlcul Vectorial	cat	FB	6,0	2016-17	5,0 (AP) /D
210269	Matèria:Informàtica   Branca:ENGINYERIA I ARQUITECTURA					
360572	Informàtica	cat	FB	6,0	2016-17	8,4 (NT) /B
210270	Matèria:Física Clàssica					
360573	Mecànica	cat	OB	9,0	2017-18	5,0 (AP) /D
360574	Termodinàmica	cat	OB	9,0	2017-18	7,0 (NT) /B
360575	Electromagnetisme	spa	OB	9,0	2017-18	5,4 (AP) /D
360576	Òptica	cat	OB	9,0	2017-18	5,1 (AP) /D
210271	Matèria:Mètodes Matemàtics					
360577	Mètodes Matemàtics per a la Física I	cat	OB	6,0	2017-18	5,3 (AP) /D
360578	Mètodes Matemàtics per a la Física II	cat	OB	6,0	2017-18	4,3 (SS) /-

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DNI o passaport 47262747 Curs 2020-2021

Assignat	tures	Idioma Docència	Tipus	Crèdits	Curs	Qualificació/ Qualif. ECTS
360578	Mètodes Matemàtics per a la Física II	cat	OB	6,0	2018-19	5,4 (AP) /D
210272	Matèria:Física Moderna					
360579	Física Quàntica	cat	OB	6,0	2018-19	7,6 (NT) /B
360580	Física Estadística	cat	OB	6,0	2018-19	5,7 (AP) /C
360581	Física de l'Estat Sòlid	cat	OB	6,0	2019-20	9,1 (MH) /B
360582	Electrònica Física	cat	OB	6,0	2019-20	8,7 (NT) /B
210273	Matèria:Astronomia i Meteorologia					
360583	Astronomia	cat	OB	6,0	2017-18	5,5 (AP) /D
360584	Meteorologia i Climatologia	eng	OB	6,0	2017-18	5,7 (AP) /D
210274	Matèria:Treball de Grau					
360621	Treball de Grau	-	TR	6,0	2020-21	8,9 (NT) /C
210275	Matèria:Aplicacions de la Física					
360590	Geofísica	cat	OT	6,0	2020-21	9,0 (EX) /A
360598	Energia	spa	OT	6,0	2019-20	8,0 (NT) /B
210279	Matèria:Ampliació de Física Clàssica					
360587	Física dels Medis Continus	cat	OT	6,0	2018-19	5,1 (AP) /D
360594	Física Computacional	cat	OT	6,0	2018-19	6,2 (AP) /D
360596	Mecànica Teòrica	spa	OT	6,0	2018-19	5,9 (AP) /D
360597	Electrodinàmica	cat	OT	6,0	2018-19	6,4 (AP) /C
210280	Matèria:Ampliació de Física Moderna					
360589	Astrofísica i Cosmologia	cat	OT	6,0	2018-19	7,3 (NT) /C
360591	Laboratori de Física Moderna	cat	OT	6,0	2019-20	9,7 (MH) /A
360600	Mecànica Quàntica	-	OT	6,0	2018-19	6,1 (AP) /C
360601	Física Atòmica i Radiació	-	OT	6,0	2019-20	5,7 (AP) /D
360602	Física Nuclear i de Partícules	cat	OT	6,0	2019-20	6,5 (AP) /C
360603	Fenòmens Col·lectius i Transicions de Fase	cat	ОТ	6,0	2019-20	5,5 (AP) /C
210281	Matèria:Física Teòrica					
360606	Mecànica Quàntica de N-Cossos i Sistemes Ultrafreds	cat	OT	6,0	2019-20	10,0 (EX) /A
360609	Sistemes Fora de l'Equilibri	eng	ОТ	3,0	2019-20	7,7 (NT) /B
210283	Matèria:Fronteres de la Física					
360618	Teoria de la Informació Clàssica i Quàntica	cat	ОТ	3,0	2019-20	5,0 (AP) /D
210964	Matèria:Ampliació d'Astronomia i Meteorologia					
360608	Plasmes i Processos Astrofísics	cat	OT	6,0	2020-21	9,2 (EX) /A

Idiomes de la docència (Norma ISO-639-3):

cat: català | spa: espanyol | eng: anglès | -: sense valor

#: assignatura cursada en una altra universitat

FB: Formació Bàsica | OB: Obligatòria | OT: Optativa | PR: Pràctiques | TR: Treball fi de grau | ZZ: Sense tipologia

PQ: Pendent de qualificació | RC: Reconeguda | CN: Convalidada | NP: No presentat



DNI o passaport 47262747 Curs 2020-2021

El sistema de qualificacions es regula en el Reial decret 1125/2003, de 5 de setembre, i s'expressa d'acord amb la següent escala numèrica de 0 a 10:

0.0 - 4.9: (SS) suspens 5.0 - 6.9: (AP) aprovat

7,0 - 8,9: (NT) notable

9,0 - 10: (EX) excel.lent / (MH) matrícula d'honor

Total crèdits superats: 240,0 Nota mitjana ponderada: 6,8

El sistema de qualificacions ECTS de la UB mostra la qualificació de l'estudiant en relació als resultats de l'alumnat que ha superat la mateixa assignatura en els dos cursos anteriors, d'acord amb l'escala següent:

Els estudiants que han superat una assignatura es divideixen en cinc grups: al 10% millor se li concedeix una qualificació A, al següent 25% B, al següent 30% C, al següent 25% D i al 10% final E; "nq" en el cas que sigui no quantificable.

El Grau de Física de la Facultat de Física de la Universitat de Barcelona (Branca de Ciències) té una càrrega lectiva de 240,0 crèdits:

Crèdits de formació bàsica: 60,0 crèdits

Crèdits obligatoris: 84,0 crèdits Crèdits optatius: 90,0 crèdits

Crèdits de treball fi de grau: 6,0 crèdits

## **EXPEDICIÓ DEL TÍTOL**

Va superar el març de 2021 els estudis conduents al títol oficial de Física i va abonar els drets d'expedició del títol en data 7 de març de 2021.

Aquest document només és vàlid a efectes de: Canviar d'ensenyament dins la UB

Barcelona, 25 de març de 2021



NID/passport 47262747 Academic year 2020-2021

TRANSLATION

## FACULTY OF PHYSICS BACHELOR'S DEGREE IN PHYSICS

Berta Martínez Pàmias, holder of national identity document / passport number 47262747, was admitted to this course of study with the following admission details:

Type: pre-enrolment OOAU

Route: University entrance examinations (PAU) or assimilated studies

Date of completion: June 2016

Access Grade: 9.420

University: Universitat de Barcelona

and has studied the following subjects, which correspond to the curricular pathway: Minor in Fundamental Physics.

Subjects		Language teaching	Туре	Credits	Year	Grade/ ECTS Grade
210266	Subject:Physics   Branch:Sciences					
360563	Principles of Mechanics	cat	FB	6.0	2016-17	5.4 (AP) /D
360564	Principles of Waves, Fluids and Thermodynamics	spa	FB	6.0	2016-17	5.0 (AP) /D
360565	Principles of Electromagnetism and Optics	spa	FB	6.0	2016-17	7.6 (NT) /A
360566	Principles of Laboratory Practice	cat	FB	6.0	2016-17	8.8 (NT) /A
210267	Subject:Chemistry   Branch:Sciences					
360567	Chemistry	cat	FB	6.0	2016-17	7.6 (NT) /B
210268	Subject:Mathematics   Branch:Sciences					
360568	Linear Algebra and Geometry	cat	FB	6.0	2016-17	6.7 (AP) /C
360569	Calculus of a Single Variable	-	FB	6.0	2016-17	6.7 (AP) /B
360570	Multivariable Calculus	cat	FB	6.0	2016-17	6.5 (AP) /C
360571	Differential Equations and Vector Calculus	cat	FB	6.0	2016-17	5.0 (AP) /D
210269	Subject:Computer Science   Branch:Engineering and Architectur	e				
360572	Computer Science	cat	FB	6.0	2016-17	8.4 (NT) /B
210270	Subject:Classical Physics					
360573	Mechanics	cat	OB	9.0	2017-18	5.0 (AP) /D
360574	Thermodynamics	cat	OB	9.0	2017-18	7.0 (NT) /B
360575	Electromagnetism	spa	OB	9.0	2017-18	5.4 (AP) /D
360576	Optics	cat	OB	9.0	2017-18	5.1 (AP) /D

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NID/passport 47262747 Academic year 2020-2021

20271   Subject:Mathematical Methods in the Physical Sciences	Subjects		Language teaching	Туре	Credits	Year	Grade/ ECTS Grade
360578   Mathematical Methods for Physics II	210271	Subject:Mathematical Methods in the Physical Sciences					
September   Sept	360577	Mathematical Methods for Physics I	cat	OB	6.0	2017-18	5.3 (AP) /D
Subject:Modern Physics	360578	Mathematical Methods for Physics II	cat	OB	6.0	2017-18	
Section   Section   Physics   Cat   OB   6.0   2018-19   7.6   NT   /8	360578	Mathematical Methods for Physics II	cat	OB	6.0	2018-19	5.4 (AP) /D
Section   Statistical Physics   Cat   OB   6.0   2018-19   5.7 (AP) / C   Cat   OB   6.0   2019-20   9.1 (MH) / B   Section   Section	210272	Subject:Modern Physics					
Second   Solid State Physics   Physical Electronics   Solid State Physical Electronics   Solid Electronics	360579	Quantum Physics	cat	OB	6.0	2018-19	7.6 (NT) /B
Subject:Astronomy and Meteorology   Subject:Astronomy and Meteorology   Subject:Astronomy and Meteorology   Subject:Astronomy   Subject:Astronomy   Subject:Astronomy   Subject:Astronomy   Subject:Final project   Subject:Final project   Subject:Final project   Subject:Aplications of Physics   Subject:Aplications   Subject:Aplic	360580	Statistical Physics	cat	OB	6.0	2018-19	5.7 (AP) /C
210273   Subject:Astronomy and Meteorology   Cat   OB   6.0   2017-18   5.5 (AP) /D	360581	Solid State Physics	cat	OB	6.0	2019-20	9.1 (MH) /B
Sacional	360582	Physical Electronics	cat	OB	6.0	2019-20	8.7 (NT) /B
360584         Meteorology and Climatology         eng         OB         6.0         2017-18         5.7 (AP)/D           210274         Subject:Final project         -         TR         6.0         2020-21         8.9 (NT) /C           210275         Subject:Aplications of Physics         -         TR         6.0         2020-21         8.9 (NT) /C           210279         Subject:Classical Physics II         -         Th         6.0         2020-21         9.0 (EX) /A           360587         Continuum Physics         cat         OT         6.0         2018-19         5.1 (AP) /D           360594         Computational Physics         cat         OT         6.0         2018-19         5.1 (AP) /D           360594         Chorestical Mechanics         spa         OT         6.0         2018-19         5.9 (AP) /D           360597         Classical Electrodynamics         cat         OT         6.0         2018-19         5.9 (AP) /D           360598         Atrophysics and Cosmology         cat         OT         6.0         2018-19         7.3 (NT) /C           210280         Subject:Modern Physics I Laboratory         cat         OT         6.0         2018-19         7.3 (NT) /C           360599 <td>210273</td> <td>Subject:Astronomy and Meteorology</td> <td></td> <td></td> <td></td> <td></td> <td></td>	210273	Subject:Astronomy and Meteorology					
360584         Meteorology and Climatology         eng         OB         6.0         2017-18         5.7 (AP) /D           210274         Subject:Final project         -         TR         6.0         2020-21         8.9 (NT) /C           210275         Subject:Aplications of Physics         -         TR         6.0         2020-21         8.9 (NT) /C           210279         Subject:Classical Physics II         -         5.0         0.0         2019-20         8.0 (NT) /B           210279         Subject:Classical Physics II         -         -         6.0         2018-19         5.1 (AP) /D           360587         Continuum Physics         cat         OT         6.0         2018-19         5.1 (AP) /D           360594         Computational Physics         cat         OT         6.0         2018-19         5.1 (AP) /D           360595         Theoretical Mechanics         spa         OT         6.0         2018-19         5.9 (AP) /D           360596         Theoretical Mechanics         spa         OT         6.0         2018-19         5.9 (AP) /D           360597         Classical Electrodynamics         cat         OT         6.0         2018-19         7.3 (NT) /C           210280 <t< td=""><td>360583</td><td>Astronomy</td><td>cat</td><td>OB</td><td>6.0</td><td>2017-18</td><td>5.5 (AP) /D</td></t<>	360583	Astronomy	cat	OB	6.0	2017-18	5.5 (AP) /D
Subject: Aplications of Physics   Cat OT 6.0 2020-21   B.9 (NT) /C	360584	Meteorology and Climatology	eng	OB	6.0	2017-18	
Subject:Aplications of Physics   Cat OT 6.0 2020-21 8.9 (NT) /C	210274	Subject:Final project					
360590 Geophysics         Geophysics Energy         cat Spa         OT Spa         6.0 O COU-21         9.0 (EX) /A 2019-20         8.0 (NT) /B 2019-20         8.0 (NT) /B 9.0 (AP) /D 2019-20         9	360621		-	TR	6.0	2020-21	8.9 (NT) /C
Subject: Modern Physics I   Subject: Modern Physics I   Subject: Modern Physics and Cosmology   Cat OT 6.0 2018-19 7.3 (NT) /C 360591   Modern Physics and Radiation   Cat OT 6.0 2018-19 5.7 (AP) /D 360591   Modern Physics and Radiation   Cat OT 6.0 2018-19 5.9 (AP) /D 360591   Modern Physics I   Subject: Moment Physics and Radiation   Cat OT 6.0 2018-19 5.9 (AP) /D 360591   Modern Physics I   Subject: Modern Physics	210275	Subject:Aplications of Physics					
Subject:Classical Physics   Subject:Classical Physics   Subject:Classical Physics   Subject:Classical Physics   Subject:Classical Physics   Continuum Physics   Cont	360590		cat	OT	6.0	2020-21	9.0 (EX) /A
360587         Continuum Physics         cat         OT         6.0         2018-19         5.1 (AP) /D           360594         Computational Physics         cat         OT         6.0         2018-19         6.2 (AP) /D           360596         Theoretical Mechanics         spa         OT         6.0         2018-19         5.9 (AP) /D           360597         Classical Electrodynamics         cat         OT         6.0         2018-19         5.9 (AP) /D           210280         Subject:Modern Physics II         Subject:Modern Physics II         Subject:Modern Physics II         Subject:Modern Physics and Cosmology         cat         OT         6.0         2018-19         7.3 (NT) /C           360589         Astrophysics and Cosmology         cat         OT         6.0         2018-19         7.3 (NT) /C           360591         Modern Physics Laboratory         cat         OT         6.0         2019-20         9.7 (MH) /A           360600         Quantum Mechanics         -         OT         6.0         2018-19         6.1 (AP) /C           360601         Atomic Physics and Radiation         -         OT         6.0         2019-20         5.5 (AP) /C           360602         Nuclear Physics and Particle Physics         cat	360598	• •	spa	OT	6.0	2019-20	, ,
360587         Continuum Physics         cat         OT         6.0         2018-19         5.1 (AP) /D           360594         Computational Physics         cat         OT         6.0         2018-19         6.2 (AP) /D           360596         Theoretical Mechanics         spa         OT         6.0         2018-19         5.9 (AP) /D           360597         Classical Electrodynamics         cat         OT         6.0         2018-19         5.9 (AP) /D           210280         Subject:Modern Physics II         Subject:Modern Physics II         Subject:Modern Physics and Cosmology         cat         OT         6.0         2018-19         7.3 (NT) /C           360589         Astrophysics and Cosmology         cat         OT         6.0         2018-19         7.3 (NT) /C           360591         Modern Physics Laboratory         cat         OT         6.0         2019-20         9.7 (MH) /A           360600         Quantum Mechanics         -         OT         6.0         2018-19         6.1 (AP) /C           360601         Atomic Physics and Particle Physics         cat         OT         6.0         2019-20         5.5 (AP) /C           210281         Subject:Theoretical Physics         cat         OT         6.0	210279	Subject:Classical Physics II					
360594         Computational Physics         cat         OT         6.0         2018-19         6.2 (AP) /D           360596         Theoretical Mechanics         spa         OT         6.0         2018-19         5.9 (AP) /D           360597         Classical Electrodynamics         cat         OT         6.0         2018-19         5.9 (AP) /D           210280         Subject:Modern Physics II          OT         6.0         2018-19         7.3 (NT) /C           360589         Astrophysics and Cosmology         cat         OT         6.0         2018-19         7.3 (NT) /C           360591         Modern Physics Laboratory         cat         OT         6.0         2019-20         9.7 (MH) /A           360600         Quantum Mechanics         -         OT         6.0         2018-19         6.1 (AP) /C           360601         Atomic Physics and Radiation         -         OT         6.0         2019-20         5.7 (AP) /D           360602         Nuclear Physics and Particle Physics         cat         OT         6.0         2019-20         5.5 (AP) /C           210281         Subject:Theoretical Physics         cat         OT         6.0         2019-20         7.7 (NT) /B           210283	360587		cat	OT	6.0	2018-19	5.1 (AP) /D
360596         Theoretical Mechanics         spa         OT         6.0         2018-19         5.9 (AP) /D           360597         Classical Electrodynamics         cat         OT         6.0         2018-19         6.4 (AP) /C           210280         Subject:Modern Physics II         Subject:Modern Physics II           360589         Astrophysics and Cosmology         cat         OT         6.0         2018-19         7.3 (NT) /C           360591         Modern Physics Laboratory         cat         OT         6.0         2019-20         9.7 (MH) /A           360600         Quantum Mechanics         -         OT         6.0         2018-19         6.1 (AP) /C           360601         Atomic Physics and Radiation         -         OT         6.0         2019-20         5.7 (AP) /D           360602         Nuclear Physics and Particle Physics         cat         OT         6.0         2019-20         5.5 (AP) /C           210281         Subject:Theoretical Physics         cat         OT         6.0         2019-20         5.5 (AP) /C           210283         Subject:Boundaries of Physics         cat         OT         3.0         2019-20         7.7 (NT) /B           210284         Subject:Boundaries of Physics	360594	•	cat	OT	6.0	2018-19	
360597         Classical Electrodynamics         cat         OT         6.0         2018-19         6.4 (AP) /C           210280         Subject:Modern Physics II         360589 Astrophysics and Cosmology         cat         OT         6.0         2018-19         7.3 (NT) /C           360591         Modern Physics Laboratory         cat         OT         6.0         2019-20         9.7 (MH) /A           360600         Quantum Mechanics         -         OT         6.0         2018-19         6.1 (AP) /C           360601         Atomic Physics and Radiation         -         OT         6.0         2019-20         5.7 (AP) /D           360602         Nuclear Physics and Particle Physics         cat         OT         6.0         2019-20         5.5 (AP) /C           210281         Subject:Theoretical Physics         cat         OT         6.0         2019-20         5.5 (AP) /C           210281         Subject:Theoretical Physics         cat         OT         6.0         2019-20         10.0 (EX) /A           360606         Quantum Mechanics of N-body Problems and Ultracold Systems         cat         OT         6.0         2019-20         7.7 (NT) /B           210283         Subject:Boundaries of Physics         cat <t< td=""><td>360596</td><td>· · · · · · · · · · · · · · · · · · ·</td><td>spa</td><td>OT</td><td>6.0</td><td>2018-19</td><td></td></t<>	360596	· · · · · · · · · · · · · · · · · · ·	spa	OT	6.0	2018-19	
360589       Astrophysics and Cosmology       cat       OT       6.0       2018-19       7.3 (NT) /C         360591       Modern Physics Laboratory       cat       OT       6.0       2019-20       9.7 (MH) /A         360600       Quantum Mechanics       -       OT       6.0       2018-19       6.1 (AP) /C         360601       Atomic Physics and Radiation       -       OT       6.0       2019-20       5.7 (AP) /D         360602       Nuclear Physics and Particle Physics       cat       OT       6.0       2019-20       6.5 (AP) /C         360603       Collective Phenomena and Phase Transitions       cat       OT       6.0       2019-20       5.5 (AP) /C         210281       Subject:Theoretical Physics       cat       OT       6.0       2019-20       5.5 (AP) /C         210283       Quantum Mechanics of N-body Problems and Ultracold Systems       cat       OT       6.0       2019-20       7.7 (NT) /B         210283       Subject:Boundaries of Physics         360618       Classical and Quantum Information Theory       cat       OT       3.0       2019-20       5.0 (AP) /D         210964       Subject:Astronomy and Meteorology II	360597	Classical Electrodynamics		OT	6.0	2018-19	, ,
360589       Astrophysics and Cosmology       cat       OT       6.0       2018-19       7.3 (NT) /C         360591       Modern Physics Laboratory       cat       OT       6.0       2019-20       9.7 (MH) /A         360600       Quantum Mechanics       -       OT       6.0       2018-19       6.1 (AP) /C         360601       Atomic Physics and Radiation       -       OT       6.0       2019-20       5.7 (AP) /D         360602       Nuclear Physics and Particle Physics       cat       OT       6.0       2019-20       6.5 (AP) /C         360603       Collective Phenomena and Phase Transitions       cat       OT       6.0       2019-20       5.5 (AP) /C         210281       Subject:Theoretical Physics       cat       OT       6.0       2019-20       5.5 (AP) /C         210283       Quantum Mechanics of N-body Problems and Ultracold Systems       cat       OT       6.0       2019-20       7.7 (NT) /B         210283       Subject:Boundaries of Physics         360618       Classical and Quantum Information Theory       cat       OT       3.0       2019-20       5.0 (AP) /D         210964       Subject:Astronomy and Meteorology II	210280	Subject:Modern Physics II					
360591       Modern Physics Laboratory       cat       OT       6.0       2019-20       9.7 (MH) /A         360600       Quantum Mechanics       -       OT       6.0       2018-19       6.1 (AP) /C         360601       Atomic Physics and Radiation       -       OT       6.0       2019-20       5.7 (AP) /D         360602       Nuclear Physics and Particle Physics       cat       OT       6.0       2019-20       6.5 (AP) /C         360603       Collective Phenomena and Phase Transitions       cat       OT       6.0       2019-20       5.5 (AP) /C         210281       Subject: Theoretical Physics       cat       OT       6.0       2019-20       10.0 (EX) /A         360609       Quantum Mechanics of N-body Problems and Ultracold Systems       cat       OT       6.0       2019-20       10.0 (EX) /A         210283       Subject: Boundaries of Physics       cat       OT       3.0       2019-20       5.0 (AP) /D         210964       Subject: Astronomy and Meteorology II	360589		cat	OT	6.0	2018-19	7.3 (NT) /C
360600       Quantum Mechanics       -       OT       6.0       2018-19       6.1 (AP) /C         360601       Atomic Physics and Radiation       -       OT       6.0       2019-20       5.7 (AP) /D         360602       Nuclear Physics and Particle Physics       cat       OT       6.0       2019-20       6.5 (AP) /C         360603       Collective Phenomena and Phase Transitions       cat       OT       6.0       2019-20       5.5 (AP) /C         210281       Subject: Theoretical Physics       cat       OT       6.0       2019-20       5.5 (AP) /C         360606       Quantum Mechanics of N-body Problems and Ultracold Systems       cat       OT       6.0       2019-20       10.0 (EX) /A         360609       Non-Equilibrium Systems       eng       OT       3.0       2019-20       7.7 (NT) /B         210283       Subject:Boundaries of Physics       cat       OT       3.0       2019-20       5.0 (AP) /D         210964       Subject:Astronomy and Meteorology II	360591	Modern Physics Laboratory	cat	OT	6.0	2019-20	
Atomic Physics and Radiation  360602 Nuclear Physics and Particle Physics  Cat OT 6.0 2019-20 5.7 (AP) /D  Cat OT 6.0 2019-20 6.5 (AP) /C  Cat OT 6.0 2019-20 5.5 (AP) /C  Cat OT 6.0 2019-20 7.7 (NT) /B  Cat OT 3.0 2019-20 7.7 (NT) /B  Cat OT 3.0 2019-20 5.0 (AP) /D	360600	Quantum Mechanics	_	OT	6.0	2018-19	, ,
360602 Nuclear Physics and Particle Physics 360603 Collective Phenomena and Phase Transitions  cat OT 6.0 2019-20 6.5 (AP) /C 360603 Collective Phenomena and Phase Transitions  cat OT 6.0 2019-20 5.5 (AP) /C  210281 Subject:Theoretical Physics 360606 Quantum Mechanics of N-body Problems and Ultracold Systems cat OT 6.0 2019-20 10.0 (EX) /A 360609 Non-Equilibrium Systems  cat OT 3.0 2019-20 7.7 (NT) /B  210283 Subject:Boundaries of Physics Classical and Quantum Information Theory  cat OT 3.0 2019-20 5.0 (AP) /D  210964 Subject:Astronomy and Meteorology II	360601	Atomic Physics and Radiation	_	OT	6.0	2019-20	
360603 Collective Phenomena and Phase Transitions cat OT 6.0 2019-20 5.5 (AP) /C  210281 Subject:Theoretical Physics 360606 Quantum Mechanics of N-body Problems and Ultracold Systems cat OT 6.0 2019-20 10.0 (EX) /A 360609 Non-Equilibrium Systems eng OT 3.0 2019-20 7.7 (NT) /B  210283 Subject:Boundaries of Physics 360618 Classical and Quantum Information Theory cat OT 3.0 2019-20 5.0 (AP) /D  210964 Subject:Astronomy and Meteorology II	360602		cat	OT	6.0	2019-20	
360606 Quantum Mechanics of N-body Problems and Ultracold Systems cat OT 6.0 2019-20 10.0 (EX) /A 360609 Non-Equilibrium Systems eng OT 3.0 2019-20 7.7 (NT) /B  210283 Subject:Boundaries of Physics Classical and Quantum Information Theory cat OT 3.0 2019-20 5.0 (AP) /D  210964 Subject:Astronomy and Meteorology II			cat			2019-20	
360606 Quantum Mechanics of N-body Problems and Ultracold Systems cat OT 6.0 2019-20 10.0 (EX) /A 360609 Non-Equilibrium Systems eng OT 3.0 2019-20 7.7 (NT) /B  210283 Subject:Boundaries of Physics Classical and Quantum Information Theory cat OT 3.0 2019-20 5.0 (AP) /D  210964 Subject:Astronomy and Meteorology II	210281	Subject:Theoretical Physics					
360609 Non-Equilibrium Systems eng OT 3.0 2019-20 7.7 (NT) /B  210283 Subject:Boundaries of Physics 360618 Classical and Quantum Information Theory cat OT 3.0 2019-20 5.0 (AP) /D  210964 Subject:Astronomy and Meteorology II			cat	OT	6.0	2019-20	10.0 (EX) /A
360618 Classical and Quantum Information Theory cat OT 3.0 2019-20 5.0 (AP) /D  210964 Subject: Astronomy and Meteorology II		·					, ,
360618 Classical and Quantum Information Theory cat OT 3.0 2019-20 5.0 (AP) /D  210964 Subject: Astronomy and Meteorology II	210283	Subject:Boundaries of Physics					
•	360618		cat	ОТ	3.0	2019-20	5.0 (AP) /D
· · · · · · · · · · · · · · · · · · ·	210964	Subject:Astronomy and Meteorology II					
	360608	Astrophysical Plasmas and their Processes	cat	OT	6.0	2020-21	9.2 (EX) /A



NID/passport 47262747 Academic year 2020-2021

Language teaching (ISO-639-3): cat: Catalan | spa: Spanish | eng: English | -: worthless

#: subject taught at another university

FB: Basic training | OB: Compulsory | OT: Optional | PR: Placement | TR: Final project | ZZ: Without subject

PQ: Grade pending | RC: Recognized | CN: Validated | NP: Absent

Grades are regulated by Royal Decree 1125/2003, 5 September, and are awarded according to the following numerical scale from 0 to 10:

0,0 - 4.9: (SS) Fail

5.0 - 6.9: (AP) Pass

7.0 - 8.9: (NT) Merit

9.0 - 10: (EX) Excellent / (MH) Excellent with honours

Number of successfully completed credits: 240.0

Cumulative grade point average: 6.8

The University of Barcelona's ECTS grading scale describes individual student performance in relation to the cohort as a whole, using the results of the two previous academic years. In this scale, the students who pass a subject are divided in five groups: the top 10%, next 25%, next 30%, next 25% and lowest 10%, also called A, B, C, D and E, respectively. When a student's grade cannot be quantified, this is indicated by the abbreviation "nq".

The Bachelor's Degree in Physics taught by the Faculty of Physics of the Universitat de Barcelona, registered in the branch of knowledge Sciences, has a global study of 240.0 credits, distributed as follows:

Basic training subjects: 60.0 credits Compulsory subjects: 84.0 credits Optional subjects: 90.0 credits Final project: 6.0 credits

## **ISSUANCE OF THE DEGREE CERTIFICATE**

The student successfully completed the study programme leading to the Degree in Physics in March of 2021 and paid the fees for the issuance of the Degree Certificate on 7 March 2021.

This document is only valid for the purposes of application: Change within the UB studies

Barcelona, 25 March 2021