



# UNIVERSIDAD COMPLUTENSE DE MADRID

## FACULTAD DE CIENCIAS FÍSICAS

### ACADEMIC TRANSCRIPT OF RECORDS CERTIFICATE

**Transcript of records of:** Eduardo Olivares López **NIF:** 48081621Y

**Studies:** GRADO EN FÍSICA

**ISCED Area:** Physics

**OSG:** June 21st, 2010 **ECTS:** 240.0

**UNIVERSITY ACCESS TEST:** J 2013-14 UNIVERSIDAD COMPLUTENSE DE MADRID 8.736

**Admission to the curriculum of:** 2014-15 **Type of admission:** Admission grade: 12.286

#### Credits earned and recognised

Type	Subject	Grade	ECTS	Session	Notes
<b>First year</b>					
FB	PHYSICS FUNDAMENTALS I	5.6 AP	9	2014-15 F	
FB	PHYSICS FUNDAMENTALS II	7.0 NT	9	2015-16 J	
FB	MATHEMATICS	7.5 NT	9	2014-15 F	
FB	CALCULUS	5.0 AP	7.5	2015-16 J	
FB	ALGEBRA	8.0 NT	7.5	2015-16 S	
FB	CHEMISTRY	5.0 AP	6	2015-16 F	
FB	SCIENTIFIC COMPUTER LABORATORY	7.0 NT	6	2015-16 F	
FB	PHYSICS LABORATORY I	7.3 NT	6	2014-15 J	
<b>Second year</b>					
OB	CLASSICAL MECHANICS	7.7 NT	7.5	2017-18 F	
OB	THERMODYNAMICS	6.0 AP	7.5	2016-17 S	
OB	OPTICS	5.2 AP	7.5	2016-17 J	
OB	ELECTROMAGNETISM I	10.0 SB	6	2017-18 F	
OB	ELECTROMAGNETISM II	9.5 SB	6	2017-18 S	
OB	QUANTUM PHYSICS I	5.0 AP	6	2017-18 J	
OB	MATHEMATICAL METHODS I	5.0 AP	6	2016-17 F	
OB	MATHEMATICAL METHODS II	6.8 AP	6	2017-18 J	
OB	PHYSICS LABORATORY II	7.8 NT	7.5	2016-17 J	
<b>Third year</b>					
OB	QUANTUM PHYSICS II	6.6 AP	6	2018-19 F	
OB	STATISTICAL PHYSICS	7.8 NT	6	2018-19 F	
OB	SOLID STATE PHYSICS	5.0 AP	6	2018-19 JL	
OB	STRUCTURE OF MATTER	8.9 NT	6	2019-20 JL	
OB	PHYSICS LABORATORY III	7.7 NT	6	2017-18 F	
OP	MATERIALS PHYSICS	8.0 NT	6	2018-19 F	
OP	ATMOSPHERE PHYSICS	8.2 NT	6	2018-19 J	
OP	EARTH PHYSICS	7.7 NT	6	2018-19 J	
OP	COMPUTATIONAL PHYSICS	8.0 NT	6	2018-19 JL	
OP	STATISTICS AND DATA ANALYSIS	8.3 NT	6	2018-19 JL	
<b>Fourth year</b>					
OP	PHOTONICS	8.0 NT	6	2019-20 F	
OP	PHYSICAL ELECTRONICS	6.6 AP	6	2019-20 F	
OP	OPTICAL INSTRUMENTS AND DEVICES	9.0 SB	6	2019-20 JL	
OP	TRANSPORT PHENOMENA	7.4 NT	6	2019-20 F	



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**Studies:** GRADO EN FÍSICA

**ISCED Area:** Physics

**OSG:** June 21st, 2010 **ECTS:** 240.0

#### Credits earned and recognised

Type	Subject	Grade	ECTS	Session	Notes
OP	PHYSICAL PROPERTIES OF MATERIALS	8.0 NT	6	2019-20	F
OP	NANOMATERIALS	7.9 NT	6	2019-20	JL
OP	PHYSICS OF ADVANCED MATERIALS	9.0 SB	6	2019-20	JL
OP	EXPERIMENTAL METHODS IN SOLID STATE PHYSICS	8.2 NT	6	2019-20	F
OP	EXTERNAL INTERNSHIP/STUDENT TUITION (PHYSICS)	8.7 NT	6	2019-20	JL
TF	BA THESIS	9.3 SB	6	2019-20	JL

**Total credits earned and recognised:** 240

**Average grade of the transcript:** 7.34

In the Spanish university system, grades are based on the points earned for each subject, in agreement with the following scale: 0-4.9 Fail (SS); 5-6.9 Pass (AP); 7-8.9 Very Good (NT); 9-10 Excellent (SB). The award of Distinction (MH) is granted to up to 5% of the enrolled students earning a grade equal to or higher than 9; Recognition (RC): ungraded, does not count for scale; Work Experience (EL): ungraded, does not count for scale.

#### Summary of credits

Type of subject	Credits required	Credits passed	Credits recognised	Credits pending	Credits enrolled
FB - Básica	60.0	60.0	0.0	0.0	0.0
OB - Obligatoria	90.0	90.0	0.0	0.0	0.0
OP - Optativa	84.0	84.0	0.0	0.0	0.0
TF - Trabajo fin de Grado	6.0	6.0	0.0	0.0	0.0
<b>Total</b>	<b>240.0</b>	<b>240.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>

The concerned party has completed the studies in the session of July of 2020. Has made: APPLIED PHYSICS TRACK.  
The concerned party has passed all of the subjects that constitute the diploma of Graduado en Física, .

The UNIVERSIDAD COMPLUTENSE DE MADRID CERTIFIES that the data above are true. This Certificate is issued on 2 pages at the request of the concerned party.

In MADRID, on September 8th, 2020.