



ACADEMIC TRANSCRIPT

Mr. Lluís Casas Duocastella, Attestor of Facultat de Ciències of the Universitat Autònoma de Barcelona

HEREBY CERTIFIES: that the following information corresponds to the documents held on-file in this office,

STUDENT DETAILS
<p>Name and surnames: Marc Antoni Mas Rodenas</p> <p>National ID/NIE/Passport: 43199883H</p> <p>Place of birth: Costa de La Calma</p> <p>Date of birth: 29 October 1995</p>
INFORMATION ON ACCESS TO UNIVERSITY STUDY
<p>Access to current degree: Passing the Spanish university entrance examinations (PAAU) realised at Universitat de les Illes Balears</p> <p>University-Access Examination Result: 12,09</p> <p>Session: June of 2013</p>
INFORMATION ON DEGREE STUDIES
<p>Centre: Faculty of Science</p> <p>Studies: Bachelor's Degree in Nanoscience and Nanotechnology</p> <p>Payment Issuance Degree:</p> <p>Weighted Average Grade: Scale 0-4</p> <p>2,65*/ average grade calculated on a scale of 0-4 in accordance with* RD 1497/1987 (modified by RD 1267/1994 - RD 1044/2003)/</p> <p>Weighted Average Grade: Scale 0-10</p> <p>8,59** average grade calculated on a scale of 0-10 in accordance with** RD 1125/2003, Sept. 5 (GC 19/03/2015)</p>

SUBJECTS DETAILED IN THIS ACADEMIC TRANSCRIPT

Subject (credits / type)	Academic year	Conv. 1	Conv. 2
100778 Cell Biology 6,0 credits (Basic studies,First Year) Branch of knowledge: Sciences	2013/14	F 8,5 Good	
103270 General Physics: Mechanics and Waves 7,0 credits (Basic studies,First Year) Branch of knowledge: Sciences	2013/14	F 7,8 Good	
103271 General Physics: Electricity and Magnetism 7,0 credits (Basic studies,First Year) Branch of knowledge: Sciences	2013/14	J 8,1 Good	
103277 Basics of Biochemistry 6,0 credits (Basic studies,First Year) Branch of knowledge: Health Sciences	2013/14	J 8,4 Good	
103291 Introduction to Nanoscience and Nanotechnology 6,0 credits (Compulsory subject,First Year) Branch of knowledge: Sciences	2013/14	J 9,6 Very Good	
103292 Chemical Reactivity 7,0 credits (Basic studies,First Year) Branch of knowledge: Sciences	2013/14	J 7,5 Good	
103293 Chemical Bonding and Structure of Matter 7,0 credits (Basic studies,First Year) Branch of knowledge: Sciences	2013/14	F 9,5 Excellent with honours	
103301 Basics Mathematics 7,0 credits (Basic studies,First Year) Branch of knowledge: Sciences	2013/14	J 9,8 Excellent with honours	
103303 Calculus 7,0 credits (Basic studies,First Year) Branch of knowledge: Sciences	2013/14	F 9,9 Excellent with honours	
102523 Molecular Biology 6,0 credits (Compulsory subject,Second Year) Branch of knowledge: Sciences	2014/15	J 9,5 Very Good	
103276 Metabolic Biochemistry 6,0 credits (Compulsory subject,Second Year) Branch of knowledge: Sciences	2014/15	F 9,2 Very Good	
103280 Organic Chemistry 6,0 credits (Compulsory subject,Second Year) Branch of knowledge: Sciences	2014/15	J 9,1 Very Good	
103281 Chemistry of Elements 8,0 credits (Compulsory subject,Second Year) Branch of knowledge: Sciences	2014/15	F 7,7 Good	





Subject (credits / type)	Academic year	Conv. 1	Conv. 2
103285 Thermodynamics, Kinetics and Phase Transformations 6,0 credits (Compulsory subject,Second Year) Branch of knowledge: Sciences	2014/15	J 9,2 Excellent with honours	
103286 Advanced Classical Physics 8,0 credits (Compulsory subject,Second Year) Branch of knowledge: Sciences	2014/15	F 9,1 Very Good	
103302 Mathematical Tools 8,0 credits (Basic studies,Second Year) Branch of knowledge: Sciences	2014/15	J 9,2 Very Good	
103307 Microscope Laboratory and Material Classification Techniques 6,0 credits (Compulsory subject,Second Year) Branch of knowledge: Sciences	2014/15	J 8,3 Good	
103308 Electronic Instrumentation 6,0 credits (Compulsory subject,Second Year) Branch of knowledge: Sciences	2014/15	J 8,0 Good	
103275 Microbiology, Immunology and Cell Culture 8,0 credits (Compulsory subject,Third Year) Branch of knowledge: Sciences	2015/16	J 9,0 Very Good	
103279 Synthesis and Structure of Crystalline and Amorphous Materials 7,0 credits (Compulsory subject,Third Year) Branch of knowledge: Sciences	2015/16	F 9,4 Very Good	
103282 Analytical Chemistry 5,0 credits (Compulsory subject,Third Year) Branch of knowledge: Sciences	2015/16	J 7,1 Good	
103283 Molecular Spectroscopy 5,0 credits (Compulsory subject,Third Year) Branch of knowledge: Sciences	2015/16	F 9,8 Excellent with honours	
103287 Quantum Phenomena I 6,0 credits (Compulsory subject,Third Year) Branch of knowledge: Sciences	2015/16	F 8,2 Good	
103288 Solid State 7,0 credits (Compulsory subject,Third Year) Branch of knowledge: Sciences Taught in English	2015/16	J 6,6 Pass	
103289 Electronic Mechanisms 5,0 credits (Compulsory subject,Third Year) Branch of knowledge: Sciences Taught in English	2015/16	J 8,4 Good	



Subject (credits / type)	Academic year	Conv. 1	Conv. 2
103294 Supramolecular Chemistry and Molecular Recognition 5,0 credits (Compulsory subject,Third Year) Branch of knowledge: Sciences	2015/16	F 9,2 Excellent with honours	
103299 Physics and Chemistry of Surfaces 6,0 credits (Compulsory subject,Third Year) Branch of knowledge: Sciences	2015/16	F 7,4 Good	
103498 Quantum Phenomena II 6,0 credits (Compulsory subject,Third Year) Branch of knowledge: Sciences	2015/16	J 8,1 Good	
103272 Nanotechnology in Biomedicine 6,0 credits (Optional subject,Fourth Year) Branch of knowledge: Sciences	2016/17	F 7,0 Good	
103284 Bachelor's Degree Final Project: Caracterització de pulsos ultra-ràpids 12,0 credits (Final project,Fourth Year) Branch of knowledge: Sciences	2016/17	F 9,1 Very Good	
103290 Nanotechnology and Society 6,0 credits (Optional subject,Fourth Year) Branch of knowledge: Sciences	2016/17		
103297 Advanced Nanomaterials 6,0 credits (Optional subject,Fourth Year) Branch of knowledge: Sciences	2016/17		
103298 Micro and Nanosystems 6,0 credits (Compulsory subject,Fourth Year) Branch of knowledge: Sciences	2016/17	F 9,0 Very Good	
103300 Nanoscale Physics 6,0 credits (Compulsory subject,Fourth Year) Branch of knowledge: Sciences	2016/17	F 7,7 Good	
103304 Simulation of Nanometric Systems 6,0 credits (Optional subject,Fourth Year) Branch of knowledge: Sciences	2016/17		
103306 Nanomanufacturing 6,0 credits (Compulsory subject,Fourth Year) Branch of knowledge: Sciences	2016/17	F 8,4 Good	
70006 Participation in short competition 1 - 2015/16 1,5 credits (Optional subject,Fourth Year) Becomes effective on 07/02/2017. Recognized on the basis of the following subjects:	2016/17	F Passed	
- Participation in short competition 1 - 2015/16. Taken at the: Servei d'Activitat Física.	2015/16	L Passed	

Subject (credits / type)	Academic year	Conv. 1	Conv. 2
70007 Participation in short competition 1 - 2014/15 1,5 credits (Optional subject, Fourth Year) Becomes effective on 07/02/2017. Recognized on the basis of the following subjects:	2016/17	F Passed	
- Participation in short competition 1 - 2014/15. Taken at the: Servei d'Activitat Física.	2014/15	L Passed	
70015 Subjects taught in english 3,0 credits (Optional subject, Fourth Year) Becomes effective on 07/02/2017. Recognized on the basis of the following subjects:	2016/17	F Passed	
- Subjects taught in english. Taken at the: Facultat de Ciències.	2015/16	L Passed	



SUMMARY OF ACADEMIC RECORD

Total Subjects Passed: 36

Total Credits Attained: 222

Examination sessions are abbreviated as follows: **F**: February, **J**: June, **L**: July.

The total number of subjects detailed on this transcript is 36, from a total of 222 credits, as detailed below:

Credits Passed by Type	Passed	Remaining	Required
Optional subject	12,0	0	30,0
Compulsory subject	136,0	0	136,0
Basic studies	62,0	0	62,0
Final project	12,0	0	12,0

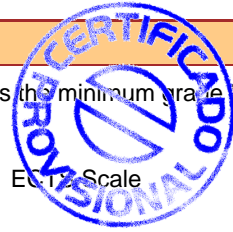
ADDITIONAL INFORMATION: UNIVERSITAT AUTÒNOMA DE BARCELONA

The Universitat Autònoma de Barcelona is a Catalan public university with three campus sites in the metropolitan region of Barcelona.

The university is regulated by the Spanish Universities Act; the Catalan Universities Act and the developmental regulations of these laws as established by Spain and the Government of Catalonia, through their respective powers. It is additionally regulated by its own Decree (Law 5/1968 of 6 June 1968) and its Statutes approved by Decree 237/2003 of 8 October 2003 (Article 1). The University is registered with code 22 in the Spanish Registry of Universities, Centres and Degrees (RUCT).

ADDITIONAL INFORMATION: GRADING SYSTEM

Students academic performance is evaluated on a numerical scale from 0 to 10, in which 5 is the minimum grade for a pass. Correspondence with the qualitative grades approved by the UAB is the following:



SRD 1125/2003 Scale 0-10	SRD 1044/2003 Scale 0-4	ECTS Scale
Absent/Not assessable	Absent/Not assessable	-
Fail: 0.0 - 4.9	Fail: 0	F
C: 5.0 - 6.9	C: 1	C
B: 7.0 - 8.9	B: 2	B
A: 9.0 - 10	A: 3	A
A with Honours: 9.0-10	A with Honours: 4	A+

And thereby, I sign this certificate at the request of the interested party.

Bellaterra, 27 May 2017

This certificate, which contains 6 pages is valid for 3 years from date of issuance.