



INSTITUTO  
SUPERIOR  
TÉCNICO

Stationery.. 0.36 Eur  
Cert. Amount 70.00 Eur  
Urgency..... 0.00 Eur  
Total 70.36 Eur

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Núcleo de  
Graduação

Maria Cristina de Oliveira Santos Matos David Ezra,  
Coordinator of the NÚCLEO DE GRADUAÇÃO of INSTITUTO SUPERIOR  
TÉCNICO, TECHNICAL UNIVERSITY OF LISBON

CERTIFIES that,

PEDRO FILIPE DE JESUS PEREIRA CUSTÓDIO -----

with Identity Card Nr. 12134420 -----

registered in S. Sebastião da Pedreira, Lisboa -----

and nationality PORTUGUESE -----

concluded the 1st Cycle, of the course of INTEGRATED MASTER  
DEGREE (MSc) in BIOMEDICAL ENGINEERING, in 21 July 2009, with the  
final grade of 13 (thirteen) values having received a total of  
180.0 ECTS, has the right to the degree of Graduate in  
Engineering Sciences - Biomedical Engineering, having been issued  
the registry number 20129/ISTCL/12 with approval on the following  
curricular units:

LINEAR ALGEBRA A -----	6.0 ECTS, with 15 (fifteen)	values
MATHEMATICAL ANALYSIS I A --	6.0 ECTS, with 10 (ten)	values
ANATOMY AND HISTOLOGY -----	6.0 ECTS, with 12 (twelve)	values
ELEMENTS OF PROGRAMMING ----	6.0 ECTS, with 12 (twelve)	values
MECHANICS AND WAVES -----	6.0 ECTS, with 13 (thirteen)	values
MATHEMATICAL ANALYSIS II A -	6.0 ECTS, with 10 (ten)	values
BIOELECTRICITY -----	4.5 ECTS, with 10 (ten)	values
DATA STRUCTURES AND ALGORITHMS -----		
-----	6.0 ECTS, with 20 (twenty)	values

Student Nr. 57278  
Request ID 7960/2012  
Verified by: \_\_\_\_\_

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GENERAL CHEMISTRY ----- 6.0 ECTS, with 19(nineteen) values  
CIRCUIT THEORY AND FUNDAMENTALS OF ELECTRONICS -----  
----- 6.0 ECTS, with 16(sixteen) values  
MATHEMATICAL ANALYSIS III -- 6.0 ECTS, with 14(fourteen) values  
BIOCHEMISTRY AND MOLECULAR BIOLOGY -----  
----- 6.0 ECTS, with 17(seventeen) values  
SYSTEMS PHYSIOLOGY ----- 6.0 ECTS, with 11(eleven) values  
COMPUTATIONAL MATHEMATICS -- 4.5 ECTS, with 17(seventeen) values  
THERMODYNAMICS AND STRUCTURE OF MATTER -----  
----- 6.0 ECTS, with 16(sixteen) values  
MATHEMATICAL ANALYSIS IV --- 6.0 ECTS, with 12(twelve) values  
ELECTROMAGNETISM AND OPTICS -----  
----- 6.0 ECTS, with 11(eleven) values  
METABOLISM AND ENDOCRINOLOGY -----  
----- 7.5 ECTS, with 12(twelve) values  
PROBABILITIES AND STATISTICS -----  
----- 6.0 ECTS, with 10(ten) values  
ORGANIC CHEMISTRY ----- 6.0 ECTS, with 16(sixteen) values  
GENETIC ENGINEERING ----- 6.0 ECTS, with 11(eleven) values  
APPLIED MECHANICS ----- 6.0 ECTS, with 12(twelve) values  
QUANTUM MECHANICS ----- 6.0 ECTS, with 13(thirteen) values  
GENERAL MECHANISMS OF DISEASE -----  
----- 6.0 ECTS, with 16(sixteen) values  
SIGNALS AND SYSTEMS ----- 6.0 ECTS, with 12(twelve) values  
QUANTUM STRUCTURE OF MATTER -----  
----- 6.0 ECTS, with 16(sixteen) values  
MANAGEMENT ----- 4.5 ECTS, with 16(sixteen) values  
CONTINUUM MECHANICS ----- 6.0 ECTS, with 11(eleven) values  
PRINCIPLES OF PHYSICAL CHEMISTRY -----  
----- 6.0 ECTS, with 10(ten) values  
ELECTRONICS ----- 6.0 ECTS, with 12(twelve) values  
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