



INSTITUTO
SUPERIOR
TÉCNICO

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

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 MIGUEL MARGALHA MIRANDA -----
with Identity Card Nr. 13041059 -----
birth originally from Salvador, Beja -----
and nationality PORTUGUESE -----
concluded the 1st Cycle, of the degree of INTEGRATED MASTER
DEGREE (MSC) in CIVIL ENGINEERING, in 17 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 - Civil Engineering, having been issued the
registry number 20402/ISTCL/12 with approval on the following
curricular units:

LINEAR ALGEBRA -----	6.0 ECTS, with 10 (ten)	values
MATHEMATICAL ANALYSIS I ----	6.0 ECTS, with 11 (eleven)	values
CIVIL ENGINEERING AND ENVIRONMENT -----		
	1.5 ECTS, with 17 (seventeen)	values
PROGRAMMING AND DATA BASES -	4.0 ECTS, with 13 (thirteen)	values
GENERAL CHEMISTRY -----	6.0 ECTS, with 15 (fifteen)	values
TECHNICAL DRAWING II -----	6.0 ECTS, with 14 (fourteen)	values
PHYSICS I -----	6.0 ECTS, with 15 (fifteen)	values
NUMERICAL METHODS -----	6.0 ECTS, with 11 (eleven)	values

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MATHEMATICAL ANALYSIS II ---	6.0 ECTS, with 15(fifteen)	values
ARCHITECTURE -----	6.0 ECTS, with 15(fifteen)	values
TECHNICAL DRAWING I -----	5.0 ECTS, with 11(eleven)	values
DYNAMICS -----	6.0 ECTS, with 12(twelve)	values
PHYSICS II -----	6.0 ECTS, with 10(ten)	values
PROBABILITIES AND STATISTICS -----		
-----	6.0 ECTS, with 11(eleven)	values
MATHEMATICAL ANALYSIS III --	6.0 ECTS, with 14(fourteen)	values
STATICS -----	6.0 ECTS, with 13(thirteen)	values
OPERATIONAL RESEARCH -----	6.0 ECTS, with 14(fourteen)	values
CONTINUUM MECHANICS -----	6.0 ECTS, with 12(twelve)	values
MINERALOGY AND GEOLOGY -----	6.0 ECTS, with 11(eleven)	values
TOPOGRAPHY -----	6.0 ECTS, with 13(thirteen)	values
MATHEMATICAL ANALYSIS IV ---	6.0 ECTS, with 14(fourteen)	values
MANAGEMENT AND DECISION ANALYSIS -----		
-----	6.0 ECTS, with 16(sixteen)	values
CONSTRUCTION MATERIALS I ---	6.0 ECTS, with 13(thirteen)	values
STRENGTH OF MATERIALS I ----	6.0 ECTS, with 12(twelve)	values
TRANSPORT -----	6.0 ECTS, with 12(twelve)	values
BUILDING STUDIES I -----	6.0 ECTS, with 13(thirteen)	values
HYDRAULICS I -----	6.0 ECTS, with 13(thirteen)	values
HYDRAULICS II -----	6.0 ECTS, with 11(eleven)	values
REGIONAL AND URBAN PLANNING -----		
-----	6.0 ECTS, with 14(fourteen)	values
STRENGTH OF MATERIALS II ---	6.0 ECTS, with 11(eleven)	values
HYDROLOGY AND WATER RESOURCES -----		
-----	6.0 ECTS, with 15(fifteen)	values
MANAGEMENT -----	4.5 ECTS, with 15(fifteen)	values
SOIL AND ROCK MECHANICS ----	6.0 ECTS, with 15(fifteen)	values
STRUCTURAL ANALYSIS I -----	6.0 ECTS, with 13(thirteen)	values

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