

STUDENT PARTICULARS:

Name and Surname: TOMAS CABEZON PEDROSO Identification: National Identity Document: 79047381S

ACCESS

Access to the University: UNIVERSITY ENTRANCE EXAMINATION-LOE-UNIVERSITY ENTRANCE EXAMINATIONS FOR

OFFICIAL UNDERGRADUATE DEGREES (LOE)

Made in: 2013-14-J

FINAL ADMISSION GRADE POINTS: 13.198 UNIVERSITY: UNIVERSIDAD DEL PAÍS VASCO

UNIVERSITY ENTRANCE EXAMINATION BOARD: UNIVERSIDAD DEL PAÍS VASCO

UNIVERSITY ENTRANCE EXAMINATION GRADE POINTS: 9.648

DEGREE PROGRAMME PARTICULARS:

School: School of Industrial Design and Engineering Degree Programme: Undergraduate 3-5 years (ECTS)

Curriculum: (56DD) - BACHELOR OF SCIENCE IN INDUSTRIAL DESIGN AND PRODUCT DEVELOPMENT

Date of publication: November 02, 2011

Field: ENGINEERING AND ARCHITECTURE

Record: 94243

I, M. Teresa González Aguado, General Secretary, hereby certify that the aforesaid student has achieved the following grades:

PASSED SUBJECTS WITH FINAL GRADE										
Code	Subject	Cred S	em Typ	Year	F.e.	Sess	Grade		То	
CADEMIC	YEAR 1						-		_	
565000	511 LINEAR ALGEBRA	6	Т	14-15	1	FEB	EXCELLENT W	T 9.00	833	
565000	512 CALCULUS	6	T	14-15	1	FEB	EXCELLENT W	T 10.00	833	
565000	513 PHYSICS I	6	T	14-15	1	FEB	EXCELLENT	9.30	834	
565000	514 CHEMISTRY	6	T	14-15	1	FEB	VERY GOOD	8.30	835	
565000	515 TECHNICAL DRAWING AND COMPUTER AIDED DESIGN	6	Т	14-15	1	FEB	EXCELLENT W	T 9.00	836	
565000	521 STATISTICS	6	Т	14-15	1	J	EXCELLENT	9.60	833	
565000	522 ADVANCED CALCULUS	6	T	14-15	1	J	EXCELLENT W	T 10.00	833	
565000	523 PHYSICS II	6	Т	14-15	1	J	EXCELLENT W	T 10.00	834	
565000	524 COMPUTERS AND PROGRAMMING	6	T	14-15	1	J	EXCELLENT W	T 10.00	837	
565000	525 ARTISTIC DRAWING	6	В	14-15	1	J	EXCELLENT	10.00	942	
CADEMIC	YEAR 2									
565000	531 ECONOMICS AND BUSINESS ADMINISTRATION	6	Т	15-16	1	FEB	EXCELLENT	9.00	838	
565000	532 ENGLISH FOR PROFESSIONAL AND ACADEMIC	6	В	15-16	1	FEB	VERY GOOD	8.50	948	
	COMMUNICATION									
565000	533 BASIC DESIGN PRINCIPLES	4.5	В	15-16	1	FEB	EXCELLENT	9.40	936	
565000	534 MATERIALS SCIENCE	4.5	В	15-16	1	FEB	PASS	6.50	950	
565000	535 STRENGTH OF MATERIALS	4.5	В	15-16	1	FEB	VERY GOOD	7.50	958	
565000	536 BASICS OF AESTHETICS AND ANTHROPOLOGY	4.5	В	15-16	1	FEB	EXCELLENT W	T 9.00	944	
565000	541 CIRCUIT THEORY	4.5	В	15-16	1	J	VERY GOOD	7.50	964	
565000	542 MANUFACTURING TECHNOLOGY	4.5	В	15-16	1	J	EXCELLENT W	T 9.50	963	
565000	543 METHODOLOGY OF DESIGN AND CREATIVITY	4.5	В	15-16	1	J	EXCELLENT W	T 9.30	954	
565000	544 GRAPHICAL ENGINEERING	6	В	15-16	1	J	EXCELLENT	9.50	947	
565000	545 ELASTICITY AND STRENGTH OF MATERIALS	6	В	15-16	1	J	EXCELLENT W	T 9.10	939	
565000	546 HEAT TRANSFER	4.5	В	15-16	1	J	EXCELLENT W	T 9.20	966	
CADEMIC	YEAR 3									
565000	551 ELECTRONICS	4.5	В	18-19	1	FEB	EXCELLENT	9.50		
565000	552 ELECTRICAL MACHINES	4.5	В	16-17	1	FEB	VERY GOOD	8.60	949	
565000	553 THEORY OF MACHINES AND MECHANISMS	4.5	В	16-17	1	FEB	EXCELLENT	9.00	965	
565000	554 NON-METALLIC MATERIALS	3	В	19-20	1	FFB	VERY GOOD	7 80	952	

Código Seguro De Verificación	Fecha	29/07/2020	
Firmado Por	M. Teresa Gonzalez Aguado - Secretaria General - Secretaría General		
Url De Verificación	Url De Verificación https://portafirmas.upm.es/verifirma/code/4455-594B-6135C4B31A3461		1/6





STUDENT PARTICULARS:

ode		SUBJECTS WI		нь ск	ADE								
	Subject		Cred	Sem	Тур	Year	F.e.	Sess	Grade	9			То
6500055	55 MATERIALS ENGINEERING		4.5		В	16-17	1	FEB	EXCE	LLENT		9.20	946
6500055	6 REPRESENTATION TECHNIQUES FOR INDUST	RIAL DESIGN	4.5		В	16-17	1	FEB	VERY	GOOD		7.50	962
56500055	7 INDUSTRIAL DESIGN PROJECT I		4.5		В	16-17	1	FEB	EXCE	LLENT	WIT	9.80	959
6500056	1 BUSINESS MANAGEMENT		4.5		В	16-17	1	J	EXCE	LLENT	WIT	9.30	956
6500056	2 ENVIRONMENTAL SCIENCES		3		В	18-19	1	J	VERY	GOOD		7.40	
6500056	3 LEGAL ASPECTS OF DESIGN AND PRODUCT		3		В	17-18	1	JUL	EXCE	LLENT		10.00	
6500056	4 MANAGEMENT OF INNOVATION AND DESIGN		3		В	16-17	1	J	VERY	GOOD		8.20	945
6500056	55 INDUSTRIAL DESIGN PROJECT II		4.5		В	17-18	1	JUL	EXCE	LLENT		9.00	
6500056	66 ADVANCED TECHNICAL DRAWING		4.5		В	16-17	1	J	VERY	GOOD		8.10	943
6500056	7 MODELS, SCALE MODELS AND PROTOTYPES		4.5		В	17-18	1	JUL	EXCE	LLENT		9.10	
6500056	8 ECOLOGICAL DESIGN AND PRODUCT SAFETY		3		В	17-18	1	JUL	VERY	GOOD		8.00	
ADEMIC Y	ZEAR 4												
6500057	1 PROJECT ENGINEERING AND MANUFACTURIN	G MANAGEMENT	4.5		В	17-18	1	JUL	EXCE	LLENT		9.00	
6500057	2 GRAPHIC DESIGN AND COMMUNICATION		4.5		В	17-18	1	JUL	EXCE	LLENT		9.00	
6500057	3 PACKAGING		4.5		В	17-18	1	JUL	EXCE	LLENT		9.00	
6500057	4 3-D DIGITALIZATION AND RAPID PROTOTY	PING	4.5		В	17-18	1	JUL	EXCE	LLENT		10.00	
6500057	'5 PRODUCT ERGONOMICS		4.5		В	19-20	1	FEB	PASS			6.20	933
6500057	6 INDUSTRIAL DESIGN PROJECT III		4.5		В	17-18	1	JUL	VERY	GOOD		8.00	
6500057	7 ADVANCED MATERIALS		3		В	19-20	1	FEB	VERY	GOOD		7.00	951
6500532	6 MECHANICS		3		0	14-15	1	J	EXCE	LLENT		9.00	974
6500535	4 MACHINE DESIGN I		3		0	16-17	1	FEB	VERY	GOOD		7.00	974
6500535	7 THEORY OF STRUCTURES		4.5		0	16-17	1	FEB	VERY	GOOD		7.80	974
	1 METROLOGY AND QUALITY		3		0	18-19			PASS			5.50	
6500537	2 MANUFACTURING ENGINEERING		4.5		0	18-19	1	FEB	PASS			5.50	
	SUBJECT CREDIT	S RECOGNIZED	AT SEN	DING	INS	TITUTI	ON						
e Subje	ct		Cred	i T	УP	Year	Ses	ssion		Uni	v.		
oi LEVEL	B2 IN ENGLISH LANGUAGE		0	- — В		14-15	DIC	CREDI	T RE	COGN		 UPM	
	Completed in Curriculum: DUAL BACHELO	R SCIENCE IND	UST. D								CAL E	NG.	
_	DEGREE PROJECT IN INDUSTRIAL DESIGN A		12	P		19-20		EXCEL			.0.00		
	Completed in Curriculum: DUAL BACHELO	R SCIENCE IND	OUST. D	ESIGN	I PRO	DDUCT 1	DEVEL	JP. Ar	ND ME	CHANIC	:AL EI	NG.	
Cod	e Subject	NOT TO BE	TAKEN					Cred	Sem	TVD	М±		
Cod	e Subject	NOT TO BE	TAKEN					Cred	l Sem	Тур	Mt		
905000	0001 LEVEL B2 IN ENGLISH LANGUAGE	NOT TO BE	TAKEN					0	А	В			
905000	0001 LEVEL B2 IN ENGLISH LANGUAGE 0590 FINAL DEGREE PROJECT			ONAT	PPO	CD AMME					Mt 975		
905000	10001 LEVEL B2 IN ENGLISH LANGUAGE 1590 FINAL DEGREE PROJECT SUBJECTS TAK	NOT TO BE EN VIA AN INT Cred Año	FERNATI		PRO		ersida	0 12	А	В			
905000 565000 signatu	10001 LEVEL B2 IN ENGLISH LANGUAGE 1590 FINAL DEGREE PROJECT SUBJECTS TAK	EN VIA AN INI Cred Año	TERNATI Cal:	if.	PRO	Unive	ersida	0 12 ad	AI	B P	975		
905000 565000 signatu 'ANCED M	10001 LEVEL B2 IN ENGLISH LANGUAGE 1590 FINAL DEGREE PROJECT SUBJECTS TAK TA IANUFACTURING PROCESSES	EN VIA AN INT Cred Año 10 18-1	TERNATI Cal : 9 19/3	if. 0	PRO	Unive	ersida TECNIO	0 12 ad	A I	B P	975		
905000 565000 signatu VANCED M	10001 LEVEL B2 IN ENGLISH LANGUAGE 1590 FINAL DEGREE PROJECT SUBJECTS TAK	EN VIA AN INT Cred Año 10 18-1	TERNATI Cal:	if. 0	PRO	Unive	ersida TECNIO	0 12 ad	A I	B P	975	ION	
905000 565000 signatu VANCED M C AND DE	SUBJECTS TAK TA IANUFACTURING PROCESSES SIGN OF PAPER CONSTRUCTION IVERSITY. CHINA.	EN VIA AN INT Cred Año 10 18-1 5 17-1	TERNATI Cal : 9 19/3	if. 0	PRO	POLIT COLLI	ersida FECNIO EGE OI	0 12 ad CO MII	A I I AN	B P	975 1.		ATI

Código Seguro De Verificación	Fecha	29/07/2020						
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STUDENT PARTICULARS:

SUBJECTS TAKEN VIA AN INTERNATIONAL PROGRAMME										
Asignatura	Cred	Año	Calif.	Universidad						
DESIGN OF MECHANICAL SYSTEMS/PROGETTAZIONE DI	5	18-19	19/30	POLITECNICO MILAN. ITALIA.						
SISTEMI MECCANICI										
DESIGN STUDIO 2: CO-DESIGN PROJECT CLASS 8	5	17-18	89/100	COLLEGE OF DESIGN AND INNOVATION						
TONGJI UNIVERSITY. CHINA.										
ELEMENTOS DE MAQUINAS	5	18-19	75	UNIVERSIDAD TECNICA FEDERICO DE SANTA						
MARIA.CHILE.										
FUNDAMENTOS DE ELECTRONICA	5	18-19	94	UNIVERSIDAD TECNICA FEDERICO DE SANTA						
MARIA. CHILE.										
ESTION AMBIENTAL	5	18-19	77	UNIVERSIDAD TECNICA FEDERICO DE SANTA						
MARIA. CHILE.										
GRAFICA EN INGENIERÍA	5	18-19	98	UNIVERSIDAD TECNICA FEDERICO DE SANTA						
MARIA. CHILE.										
MACCHINE E SISTEMI ENERGETICI - FLUID - MACHINES	7	18-19	23/30	POLITECNICO MILAN. ITALIA.						
AND ENERGY SYSTEMS										
MOTORI A COMBUINTERNAL COMBUSTION ENGINE L -	5	18-19	30/30	POLITECNICO MILAN. ITALIA.						
NOTORI A COMBUSTIONE INTERNA LSTIONE INTERNA L										
DPEN DESIGN	5	17-18	94/100	COLLEGE OF DESIGN AND INNOVATION						
CONGJI UNIVERSITY. CHINA.										
PARAMETRIC DESIGN	5	17-18	95/100	COLLEGE OF DESIGN AND INNOVATION						
CONGJI UNIVERSITY. CHINA.										
PRODUCT SERVICE SYSTEM DESIGN METHODOLOGIES AND	5	17-18	89/100	COLLEGE OF DESIGN AND INNOVATION						
ONGJI UNIVERSITY. CHINA.										
COOLS										

COMPLETED MODULES AND UNITS									
	Code	Description	Cred	Average Year	Sess.				
Module:	282	BASIC TRAINING	60	9.4 15-16	FEB				
Unit:	833	MATHEMATICS	24	9.6 14-15	J				
Unit:	834	Basic subject:MATEMÁTICAS PHYSICS	12	9.6 14-15	J				
Unit:	835	Basic subject:FÍSICA CHEMISTRY	6	8.3 14-15	FEB				
Unit:	836	Basic subject:QUÍMICA GRAPHIC COMMUNICATION	6	9.0 14-15	FEB				
Unit:	837	Basic subject:EXPRESIÓN GRÁFICA COMPUTING	6	10.0 14-15	J				
Unit:	838	Basic subject:INFORMÁTICA BUSINESS	6	9.0 15-16	FEB				
		Basic subject:EMPRESA							
Module:	283	UNIVERSITY COMPULSORY SUBJECTS	150	8.7 19-20	FEB				
Unit:	933	PRODUCT ERGONOMICS	4.5	6.2 19-20	FEB				
Unit: Unit:	934 935	LEGAL ASPECTS OF PRODUCT DESIGN 3D DIGITALIZATION	3 4.5	10.0 17-18 10.0 17-18	JUL				
Unit:	936	BASIC DESIGN	4.5	9.4 15-16	FEB				

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COMPLETED MODULES AND UNITS									
	Code	Description	Cred	Average Year	Ses				
Unit:	937	GRAPHIC DESIGN AND COMMUNICATION	4.5	9.0 17-18	JUL				
Unit:	938	ECODESIGN AND PRODUCT SAFETY	3	8.0 17-18	JUL				
Unit:	939	ELASTICITY AND STRENGTH OF MATERIALS	6	9.1 15-16	J				
Unit:	940	ELECTRONICS	4.5	9.5 18-19	FEB				
Unit:	941	WRAPPING AND PACKAGING	4.5	9.0 17-18	JUL				
Unit:	942	ARTISTIC EXPRESSION	6	10.0 14-15	J				
Unit:	943	GRAPHIC COMMUNICATION	4.5	8.1 16-17	J				
Unit:	944	FUNDAMENTALS OF AESTHETICS AND ANTHROPOLOGY	4.5	9.0 15-16	FEB				
Unit:	945	DESIGN AND INNOVATION MANAGEMENT	3	8.2 16-17	J				
Unit:	946	MATERIALS ENGINEERING	4.5	9.2 16-17	FEB				
Unit:	947	GRAPHICS ENGINEERING	6	9.5 15-16	J				
Unit:	948	ENGLISH	6	8.5 15-16	FEB				
Unit:	949	ELECTRICAL MACHINERY	4.5	8.6 16-17	FEB				
Unit:	950	MATERIALS	4.5	6.5 15-16	FEB				
Unit:	951	ADVANCED MATERIALS	3	7.0 19-20	FEB				
Unit:	952	NON-METALLIC MATERIALS	3	7.8 19-20	FEB				
Unit:	953	ENVIRONMENT	3	7.4 18-19	J				
Unit:	954	DESIGN METHODOLOGY AND CREATIVITY	4.5	9.3 15-16	J				
Unit:	955	WIREFRAMES, MOCKUPS AND PROTOTYPES	4.5	9.1 17-18	JUL				
Unit:	956	INDUSTRIAL ORGANIZATION	4.5	9.3 16-17	J				
Unit:	957	PROJECTS AND CONSULTANCY	4.5	9.0 17-18	JUL				
Unit:	958	STRENGTH OF MATERIALS	4.5	7.5 15-16	FEB				
Unit:	959	DESIGN WORKSHOP	13.5	8.9 17-18	JUL				
Unit:	962	INDUSTRIAL DESIGN REPRESENTATION TECHNIQUES	4.5	7.5 16-17	FEB				
Unit:	963	MANUFACTURING TECHNOLOGY	4.5	9.5 15-16	J				
Unit:	964	CIRCUIT THEORY	4.5	7.5 15-16	J				
Unit:	965	THEORY OF MACHINERY AND MECHANISMS	4.5	9.0 16-17	FEB				
Unit:	966	THERMODYNAMICS AND HEAT TRANSFER	4.5	9.2 15-16	J				
Module:	284	OPTIONAL SUBJECTS	18	6.9 18-19	FEB				
Unit:	974	OPTIONAL SUBJECTS	18	6.9 18-19	FEE				
Module:	285	FYP	12	10.0 19-20	J				
Unit:	975	FYP	12	10.0 19-20	J				

STUDENT OUTCOMES

Session Student Outcomes.

J /2014-15 FIRST YEAR
J /2015-16 SECOND YEAR
FEB/2019-20 THIRD YEAR
FEB/2019-20

J /2019-20 BACHELOR IN ENGINEERING IN INDUSTRIAL DESIGN AND PRODUCT DEVELOPMENT

Average grade according to UPM Regulations: 8.81

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STUDENT PARTICULARS:

Name and Surname: TOMAS CABEZON PEDROSO Identification: National Identity Document: 79047381S

CREDIT OVERVIEW										
Type Subject	Requ	ired Credits	Gained Credits	Remaining Credits	Registered Credits					
BASIC	(T)	60.00	60.00	0.00	0.00					
COMPULSORY	(B)	150.00	150.00	0.00	0.00					
END OF DEGREE	PROJEC(P)	12.00	12.00	0.00	0.00					
OPTIONAL	(0)	18.00	18.00	0.00	0.00					

OBSERVATIONS ON ACADEMIC RECORD

TÍTULO TFG: ESTUDIO DE LA INTERACCIÓN DIGITAL Y SUS CONSECUENCIAS

FECHA DE DEFENSA: 6-7-20 DIRECTOR: PABLO BRIS MARINO

In witness whereof, I have, at the behest of the interested party, issued this certificate approved by the General Secretary on .

General Secretary M. Teresa González Aguado

Código Seguro De Verificación	Seguro De Verificación 4455-594B-6135C4B31A3461		29/07/2020
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STUDENT PARTICULARS:

Name and Surname: TOMAS CABEZON PEDROSO Identification: National Identity Document: 79047381S

KEY

The listed subject units (ut) are detailed below:

- 833 MATHEMATICS
- 834 PHYSICS
- 835 CHEMISTRY
- 836 GRAPHIC COMMUNICATION
- 837 COMPUTING
- 838 BUSINESS
- 933 PRODUCT ERGONOMICS
- 934 LEGAL ASPECTS OF PRODUCT DESIGN
- 935 3D DIGITALIZATION
- 936 BASIC DESIGN
- 937 GRAPHIC DESIGN AND COMMUNICATION
- 938 ECODESIGN AND PRODUCT SAFETY
- 939 ELASTICITY AND STRENGTH OF MATERIALS
- 940 ELECTRONICS
- 941 WRAPPING AND PACKAGING
- 942 ARTISTIC EXPRESSION
- 943 GRAPHIC COMMUNICATION
- 944 FUNDAMENTALS OF AESTHETICS AND ANTHROPOLOGY
- 945 DESIGN AND INNOVATION MANAGEMENT
- 946 MATERIALS ENGINEERING
- 947 GRAPHICS ENGINEERING
- 948 ENGLISH
- 949 ELECTRICAL MACHINERY
- 950 MATERIALS
- 951 ADVANCED MATERIALS
- 952 NON-METALLIC MATERIALS
- 953 ENVIRONMENT
- 954 DESIGN METHODOLOGY AND CREATIVITY
- 955 WIREFRAMES, MOCKUPS AND PROTOTYPES
- 956 INDUSTRIAL ORGANIZATION
- 957 PROJECTS AND CONSULTANCY
- 958 STRENGTH OF MATERIALS
- 959 DESIGN WORKSHOP
- 962 INDUSTRIAL DESIGN REPRESENTATION TECHNIQUES
- 963 MANUFACTURING TECHNOLOGY
- 964 CIRCUIT THEORY
- 965 THEORY OF MACHINERY AND MECHANISMS
- 966 THERMODYNAMICS AND HEAT TRANSFER
- 974 OPTIONAL SUBJECTS
- 975 FYP

The listed universities (univ.) indicate that the subject was taken at the specified university:

UPM - UNIVERSIDAD POLITÉCNICA DE MADRID

Cred-Credits Dur-Duration (A-Annual, 1S-First semester, 2S-Second semester, I-Unspecified within academic year), Tip-Subject type (T-Basic, B-Compulsory, O-Optional, C-Bridge Course, E-External Placements, L-Libre Elección, P-End Of Degree Project). C.ag-No. of times examination sat, Conv-Examination sitting, excluding examinations not taken. The AC grade means that the student has been awarded a conceded pass.

Level B2 English language proficiency is a prerequisite for the compulsory subject Professional and Academic English.

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ACCESS

Access to the University: UNIVERSITY ENTRANCE EXAMINATION-LOE-UNIVERSITY ENTRANCE EXAMINATIONS FOR

OFFICIAL UNDERGRADUATE DEGREES (LOE)

Made in: 2013-14-J

FINAL ADMISSION GRADE POINTS: 13.198 UNIVERSITY: UNIVERSIDAD DEL PAÍS VASCO

UNIVERSITY ENTRANCE EXAMINATION BOARD: UNIVERSIDAD DEL PAÍS VASCO

UNIVERSITY ENTRANCE EXAMINATION GRADE POINTS: 9.648

DEGREE PROGRAMME PARTICULARS:

School: School of Industrial Design and Engineering Degree Programme: Undergraduate 3-5 years (ECTS)

Curriculum: (56IM) - BACHELOR OF SCIENCE IN MECHANICAL ENGINEERING

Date of publication: January 14, 2011

Field: ENGINEERING AND ARCHITECTURE

Record: 315621

I, M. Teresa González Aguado, General Secretary, hereby certify that the aforesaid student has achieved the following grades:

PASSED SUBJECTS WITH FINAL GRADE											
Code	Subject	Cred	Sem	Тур	Year	F.e.	Sess	Grade			То
ACADEMIC	YEAR 1		_					-			
565000	311 CALCULUS	6		T	14-15	1	FEB	EXCELLENT	\mathtt{WIT}	10.00	1976
565000	312 LINEAR ALGEBRA	6		Т	14-15	1	FEB	EXCELLENT	${\tt WIT}$	9.00	1976
565000	313 PHYSICS I	6		Т	14-15	1	FEB	EXCELLENT		9.30	1977
565000	314 CHEMISTRY	6		Т	14-15	1	FEB	VERY GOOD		8.30	1978
565000	315 TECHNICAL DRAWING AND COMPUTER AIDED DESIGN	6		Т	14-15	1	FEB	EXCELLENT	\mathtt{WIT}	9.00	1979
565000	321 STATISTICS	6		Т	14-15	1	J	EXCELLENT		9.60	1976
565000	322 ADVANCED CALCULUS	6		Т	14-15	1	J	EXCELLENT	${\tt WIT}$	10.00	1976
565000	323 PHYSICS II	6		Т	14-15	1	J	EXCELLENT	${\tt WIT}$	10.00	1977
565000	324 COMPUTERS AND PROGRAMMING	6		Т	14-15	1	J	EXCELLENT	${\tt WIT}$	10.00	1980
565000	325 NUMERICAL METHODS IN MECHANICAL ENGINEERING	3		0	14-15	1	J	EXCELLENT	\mathtt{WIT}	10.00	2006
565000	326 MECHANICS	3		0	14-15	1	J	EXCELLENT		9.00	2007
ACADEMIC	YEAR 2										
565000	331 ECONOMICS AND BUSINESS ADMINISTRATION	6		T	15-16	1	FEB	EXCELLENT		9.00	1981
565000	332 ENGLISH FOR PROFESSIONAL AND ACADEMIC	6		В	15-16	1	FEB	VERY GOOD		8.50	1982
	COMMUNICATION										
565000	333 FLUID MECHANICS	4.5		В	16-17	1	FEB	VERY GOOD		8.20	1984
565000	334 MATERIALS SCIENCE	4.5		В	15-16	1	FEB	PASS		6.50	1985
565000	335 STRENGTH OF MATERIALS	4.5		В	15-16	1	FEB	VERY GOOD		7.50	1986
565000	336 THERMODYNAMICS	4.5		В	15-16	1	FEB	EXCELLENT		9.00	1983
565000	341 CIRCUIT THEORY	4.5		В	15-16	1	J	VERY GOOD		7.50	1989
565000	342 MANUFACTURING TECHNOLOGY	4.5		В	15-16	1	J	EXCELLENT	WIT	9.50	1987
565000	343 HEAT TRANSFER	4.5		В	15-16	1	J	EXCELLENT	WIT	9.20	1983
565000	344 GRAPHICAL ENGINEERING	6		0	15-16	1	J	EXCELLENT		9.50	1997
565000	345 ELASTICITY AND STRENGTH OF MATERIALS	6		0	15-16	1	J	EXCELLENT	WIT	9.10	1996
565000	346 WELDING PROCESSES	4.5		0	16-17	1	J	VERY GOOD		8.10	2008
CADEMIC	YEAR 3										
1 565000	351 ELECTRONICS	4.5		В	18-19	1	FEB	EXCELLENT		9.50	1
565000	352 ELECTRICAL MACHINES	4.5		В	16-17	1	FEB	VERY GOOD		8.60	1995
565000	353 THEORY OF MACHINES AND MECHANISMS	4.5		В	16-17	1	FEB	EXCELLENT		9.00	1991

Código Seguro De Verificación	5845-6443-3543C4938A504F	Fecha	29/07/2020
Firmado Por	M. Teresa Gonzalez Aguado - Secretaria General - Secretaría General		
Url De Verificación	https://portafirmas.upm.es/verifirma/code/5845-6443-3543C4938A504F	Página	1/6





STUDENT PARTICULARS:

565000354 MACHINE DESIGN I 565000355 MATERIALS ENGINEERING 565000356 THERMAL ENGINEERING 565000357 STRUCTURAL MECHANICS 565000360 BUSINESS MANAGEMENT 565000361 ENVIRONMENTAL SCIENCES 565000362 AUTOMATIC REGULATION 565000363 INDUSTRIAL BUILDINGS 565000364 MACHINE DESIGN II 565000365 FLUID MECHANICAL MACHINES AND SYSTEMS 565000366 ANALYSIS AND SYNTHESIS OF MECHANISMS 565000367 COMPUTER-AIDED MANUFACTURING CADEMIC YEAR 4 565000370 PROJECT ENGINEERING AND MANUFACTURING MANAGEMENT 565000371 METROLOGY AND QUALITY 565000372 MANUFACTURING ENGINEERING 565000373 RECIPROCATING ENGINES 565000374 FLEXIBLE MANUFACTURING SYSTEMS 565000375 MECHANICAL DESIGN 565000376 FINITE ELEMENTS AND MECHANICAL VIBRATIONS 565000353 BASIC DESIGN PRINCIPLES 565003536 BASICS OF AESTHETICS AND ANTHROPOLOGY 565003554 NON METALLICS MATERIALS SUBJECT CREDITS RECOGNIZED AND PP Subject Completed in Curriculum: DUAL BACHELOR SCIENCE INDUS	3 4.5 4.5 4.5 3 3 3 4.5 4.5 3 4.5 3 4.5 4.5 3 4.5 4.5 3 4.5 3 4.5	Sem :		16-17 16-17 18-19 16-17 18-19 16-17 18-19 16-17 16-17 18-19 18-19 18-19 18-19 18-19 18-19 18-19 18-19 18-19 18-19 18-19	1 1 1 1 1	FEB FEB J J J J J J J J FEB FEB FEB FEB FEB FEB	VERY VERY VERY VERY VERY VERY VERY VERY	GOOD LLENT GOOD GOOD GOOD LLENT GOOD LLENT LLENT LLENT	WIT	9.20 6.50 7.80 9.30 7.40 7.40	To 2002 2000 11998 1988 1993 2005 2002 2 2 2 2 2 2 2 2 2 2
565000355 MATERIALS ENGINEERING 565000356 THERMAL ENGINEERING 565000357 STRUCTURAL MECHANICS 565000360 BUSINESS MANAGEMENT 565000361 ENVIRONMENTAL SCIENCES 565000362 AUTOMATIC REGULATION 565000363 INDUSTRIAL BUILDINGS 565000364 MACHINE DESIGN II 565000365 FLUID MECHANICAL MACHINES AND SYSTEMS 565000366 ANALYSIS AND SYNTHESIS OF MECHANISMS 565000367 COMPUTER-AIDED MANUFACTURING CADEMIC YEAR 4 565000370 PROJECT ENGINEERING AND MANUFACTURING MANAGEMENT 565000371 METROLOGY AND QUALITY 565000372 MANUFACTURING ENGINEERING 565000373 RECIPROCATING ENGINES 565000374 FLEXIBLE MANUFACTURING SYSTEMS 565000375 MECHANICAL DESIGN 565000375 FINITE ELEMENTS AND MECHANICAL VIBRATIONS 5650003525 ARTISTIC DRAWING 565003533 BASIC DESIGN PRINCIPLES 565003536 BASICS OF AESTHETICS AND ANTHROPOLOGY 565003554 NON METALLICS MATERIALS SUBJECT CREDITS RECOGNIZED AND PP Subject Completed in Curriculum: DUAL BACHELOR SCIENCE INDUS tbj LEVEL B2 IN ENGLISH LANGUAGE Completed in Curriculum: DUAL BACHELOR SCIENCE INDUS tbj FINAL DEGREE PROJECT MECHANICAL ENGINEERING	4.5 4.5 4.5 3 3 3 4.5 4.5 3 4.5 4.5 3 4.5 4.5 3 4.5 4.5 3 4.5 3 4.5 4.5 3 4.5 4.5 3 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5		O O O O B B B O O O O O O O O O O O	16-17 18-19 16-17 18-19 16-17 16-17 16-17 18-19 18-19 18-19 18-19 18-19 18-19 18-19 18-19 18-19 18-19 18-19 18-16 15-16	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	FEB FEB J J J J J J J J FEB FEB FEB FEB FEB FEB FEB FEB	EXCE: PASS VERY VERY VERY VERY VERY EXCE: PASS PASS PASS PASS EXCE: EXCE: EXCE:	GOOD LLENT GOOD GOOD GOOD LLENT GOOD LLENT LLENT LLENT	WIT	9.20 6.50 7.80 9.30 7.40 7.40 8.00 10.00 7.20 10.00 5.50 5.50 5.50 5.50	2000 1 1998 1988 1 1993 2005 2002 2 2 2 2 2 2
565000356 THERMAL ENGINEERING 565000357 STRUCTURAL MECHANICS 565000360 BUSINESS MANAGEMENT 565000361 ENVIRONMENTAL SCIENCES 565000362 AUTOMATIC REGULATION 565000363 INDUSTRIAL BUILDINGS 565000364 MACHINE DESIGN II 565000365 FLUID MECHANICAL MACHINES AND SYSTEMS 565000366 ANALYSIS AND SYNTHESIS OF MECHANISMS 565000367 COMPUTER-AIDED MANUFACTURING CADEMIC YEAR 4 565000370 PROJECT ENGINEERING AND MANUFACTURING MANAGEMENT 565000371 METROLOGY AND QUALITY 565000372 MANUFACTURING ENGINEERING 565000373 RECIPROCATING ENGINES 565000374 FLEXIBLE MANUFACTURING SYSTEMS 565000375 MECHANICAL DESIGN 565000376 FINITE ELEMENTS AND MECHANICAL VIBRATIONS 565003525 ARTISTIC DRAWING 565003525 ARTISTIC DRAWING 565003533 BASIC DESIGN PRINCIPLES 565003536 BASICS OF AESTHETICS AND ANTHROPOLOGY 565003554 NON METALLICS MATERIALS SUBJECT CREDITS RECOGNIZED AT PP Subject Completed in Curriculum: DUAL BACHELOR SCIENCE INDUS tbj LEVEL B2 IN ENGLISH LANGUAGE Completed in Curriculum: DUAL BACHELOR SCIENCE INDUS tbj FINAL DEGREE PROJECT MECHANICAL ENGINEERING	4.5 4.5 3 3 3 4.5 4.5 4.5 3 4.5 4.5 3 4.5 4.5 3 4.5 4.5 3 4.5 3 4.5 4.5 3 4.5 3 4.5 3 4.5 4.5 3 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5		O O B B B B O O O O O O O O O O O	18-19 16-17 18-19 16-17 16-17 16-17 18-19 18-19 18-19 18-19 18-19 18-19 18-19 18-19 18-19 18-19 18-16 15-16		FEB J J J J J J J J FEB FEB FEB FEB FEB FEB FEB FEB	PASS VERY VERY VERY VERY VERY EXCE: EXCE: PASS PASS PASS PASS EXCE: EXCE: EXCE:	GOOD LLENT GOOD GOOD GOOD LLENT GOOD LLENT LLENT LLENT	WIT	6.50 7.80 9.30 7.40 7.80 7.40 8.00 10.00 7.20 10.00 5.50 5.50 10.00 5.50 5.50	1 1998 1988 1 1993 2005 2002 2 2 2 2 2
565000357 STRUCTURAL MECHANICS 565000360 BUSINESS MANAGEMENT 565000361 ENVIRONMENTAL SCIENCES 565000362 AUTOMATIC REGULATION 565000363 INDUSTRIAL BUILDINGS 565000364 MACHINE DESIGN II 565000365 FLUID MECHANICAL MACHINES AND SYSTEMS 565000366 ANALYSIS AND SYNTHESIS OF MECHANISMS 565000367 COMPUTER-AIDED MANUFACTURING CADEMIC YEAR 4 565000370 PROJECT ENGINEERING AND MANUFACTURING MANAGEMENT 565000371 METROLOGY AND QUALITY 565000372 MANUFACTURING ENGINEERING 565000373 RECIPROCATING ENGINES 565000374 FLEXIBLE MANUFACTURING SYSTEMS 565000375 MECHANICAL DESIGN 565000376 FINITE ELEMENTS AND MECHANICAL VIBRATIONS 5650003525 ARTISTIC DRAWING 565003526 BASICS OF AESTHETICS AND ANTHROPOLOGY 565003536 BASICS OF AESTHETICS AND ANTHROPOLOGY 565003554 NON METALLICS MATERIALS SUBJECT CREDITS RECOGNIZED AT PP Subject Completed in Curriculum: DUAL BACHELOR SCIENCE INDUS tbj FINAL DEGREE PROJECT MECHANICAL ENGINEERING	4.5 4.5 3 3 3 4.5 4.5 3 4.5 3 4.5 4.5 3 4.5 4.5 3 4.5 4.5 3 4.5 4.5 3 4.5 4.5 3 4.5 4.5 3 4.5 4.5 3 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5		O B B B B O O O O O O O O O O O O	16-17 16-17 18-19 16-17 16-17 18-19 18-19 18-19 18-19 18-19 18-19 18-19 18-19 18-19 18-15 15-16	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	FEB J J J J J J J J J FEB FEB FEB FEB FEB FEB FEB FEB	VERY EXCE: VERY VERY VERY VERY VERY VERY EXCE: VERY EXCE: PASS PASS PASS EXCE: EXCE: EXCE: EXCE: VERY VERY VERY VERY VERY VERY VERY VERY	CLENT GOOD GOOD GOOD LLENT GOOD LLENT LLENT LLENT	WIT	7.80 9.30 7.40 7.80 7.40 8.00 10.00 7.20 10.00 5.50 5.50 5.50 5.50	1998 1988 1 1993 2005 2002 2 2 2 2 2 2 2
565000360 BUSINESS MANAGEMENT 565000361 ENVIRONMENTAL SCIENCES 565000362 AUTOMATIC REGULATION 565000363 INDUSTRIAL BUILDINGS 565000364 MACHINE DESIGN II 565000365 FLUID MECHANICAL MACHINES AND SYSTEMS 565000366 ANALYSIS AND SYNTHESIS OF MECHANISMS 565000367 COMPUTER-AIDED MANUFACTURING CADEMIC YEAR 4 565000370 PROJECT ENGINEERING AND MANUFACTURING MANAGEMENT 565000371 METROLOGY AND QUALITY 565000372 MANUFACTURING ENGINEERING 565000373 RECIPROCATING ENGINES 565000374 FLEXIBLE MANUFACTURING SYSTEMS 565000375 MECHANICAL DESIGN 565000376 FINITE ELEMENTS AND MECHANICAL VIBRATIONS 565003525 ARTISTIC DRAWING 565003525 ARTISTIC DRAWING 565003533 BASIC DESIGN PRINCIPLES 565003536 BASICS OF AESTHETICS AND ANTHROPOLOGY 565003554 NON METALLICS MATERIALS SUBJECT CREDITS RECOGNIZED AT PP Subject Completed in Curriculum: DUAL BACHELOR SCIENCE INDUS tbj FINAL DEGREE PROJECT MECHANICAL ENGINEERING	4.5 3 3 4.5 4.5 4.5 3 4.5 3 4.5 4.5 4.5 3 4.5 4.5 3 4.5 4.5 3 4.5 4.5 4.5 3 4.5 4.5 3 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5		B B B O O O O O O O O O O O	16-17 18-19 16-17 16-17 18-19 18-19 18-19 18-19 18-19 18-19 18-19 18-19 18-19 18-15 15-16		J J J J J J JUL FEB FEB FEB FEB FEB	EXCE: VERY VERY VERY EXCE: VERY EXCE: PASS PASS PASS PASS PASS EXCE: EXCE:	CLENT GOOD GOOD GOOD LLENT GOOD LLENT LLENT LLENT	WIT	9.30 7.40 7.80 7.40 8.00 10.00 7.20 10.00 5.50 5.50 5.50 5.50	1988 1 1993 2005 2002 2 2 2 2 2 2 2 2
565000361 ENVIRONMENTAL SCIENCES 565000362 AUTOMATIC REGULATION 565000363 INDUSTRIAL BUILDINGS 565000364 MACHINE DESIGN II 565000365 FLUID MECHANICAL MACHINES AND SYSTEMS 565000366 ANALYSIS AND SYNTHESIS OF MECHANISMS 565000367 COMPUTER-AIDED MANUFACTURING CADEMIC YEAR 4 565000370 PROJECT ENGINEERING AND MANUFACTURING MANAGEMENT 565000371 METROLOGY AND QUALITY 565000372 MANUFACTURING ENGINEERING 565000373 RECIPROCATING ENGINES 565000374 FLEXIBLE MANUFACTURING SYSTEMS 565000375 MECHANICAL DESIGN 565000376 FINITE ELEMENTS AND MECHANICAL VIBRATIONS 565003525 ARTISTIC DRAWING 565003525 ARTISTIC DRAWING 565003533 BASIC DESIGN PRINCIPLES 565003536 BASICS OF AESTHETICS AND ANTHROPOLOGY 565003554 NON METALLICS MATERIALS SUBJECT CREDITS RECOGNIZED AT PP Subject Completed in Curriculum: DUAL BACHELOR SCIENCE INDUS tbj FINAL DEGREE PROJECT MECHANICAL ENGINEERING	3 3 4 . 5 4 . 5 3 4 . 5 3 4 . 5 6 6 4 . 5 4 . 5 3		B B O O O O O O O O O O O	18-19 16-17 16-17 18-19 18-19 18-19 18-19 18-19 18-19 18-19 18-19 18-19 18-15 15-16		J J J J J J J J J FEB FEB FEB FEB FEB FEB	VERY VERY VERY VERY EXCE: PASS PASS PASS PASS PASS EXCE: PASS PASS EXCE: PASS PASS EXCE: PASS PASS EXCE: PASS PASS PASS PASS EXCE:	GOOD GOOD GOOD LLENT GOOD LLENT LLENT	WIT	7.40 7.80 7.40 8.00 10.00 7.20 10.00 9.00 5.50 5.50 5.50	1 1993 2005 2002 2 2 2 2 2 2 2 2
565000362 AUTOMATIC REGULATION 565000363 INDUSTRIAL BUILDINGS 565000364 MACHINE DESIGN II 565000365 FLUID MECHANICAL MACHINES AND SYSTEMS 565000366 ANALYSIS AND SYNTHESIS OF MECHANISMS 565000367 COMPUTER-AIDED MANUFACTURING CADEMIC YEAR 4 565000370 PROJECT ENGINEERING AND MANUFACTURING MANAGEMENT 565000371 METROLOGY AND QUALITY 565000372 MANUFACTURING ENGINEERING 565000373 RECIPROCATING ENGINES 565000374 FLEXIBLE MANUFACTURING SYSTEMS 565000375 MECHANICAL DESIGN 565000376 FINITE ELEMENTS AND MECHANICAL VIBRATIONS 565003525 ARTISTIC DRAWING 565003525 ARTISTIC DRAWING 565003533 BASIC DESIGN PRINCIPLES 565003536 BASICS OF AESTHETICS AND ANTHROPOLOGY 565003554 NON METALLICS MATERIALS SUBJECT CREDITS RECOGNIZED AT PP Subject Completed in Curriculum: DUAL BACHELOR SCIENCE INDUS tbj FINAL DEGREE PROJECT MECHANICAL ENGINEERING	3 3 4.5 4.5 4.5 3 4.5 4.5 3 4.5 4.5 4.5 3 4.5 4.5 3 4.5 6 6 4.5 4.5 3		B O O O O O O O O O	16-17 16-17 18-19 18-19 18-19 17-18 18-19 18-19 18-19 18-19 18-19 19-20 14-15 15-16	1 1 1 1 1 1 1 1 1 1 1 1	J J J J J J J J J FEB FEB FEB FEB FEB FEB	VERY VERY VERY EXCE: PASS PASS PASS PASS PASS EXCE: PASS PASS EXCE: EXCE:	GOOD GOOD GOOD LLENT GOOD LLENT LLENT		7.80 7.40 8.00 10.00 7.20 10.00 9.00 5.50 5.50 5.50 5.50	1993 2005 2002 2 2 2 2 2 2 2 2 2
565000363 INDUSTRIAL BUILDINGS 565000364 MACHINE DESIGN II 565000365 FLUID MECHANICAL MACHINES AND SYSTEMS 565000366 ANALYSIS AND SYNTHESIS OF MECHANISMS 565000367 COMPUTER-AIDED MANUFACTURING CADEMIC YEAR 4 565000370 PROJECT ENGINEERING AND MANUFACTURING MANAGEMENT 565000371 METROLOGY AND QUALITY 565000372 MANUFACTURING ENGINEERING 565000373 RECIPROCATING ENGINES 565000374 FLEXIBLE MANUFACTURING SYSTEMS 565000375 MECHANICAL DESIGN 565000375 MECHANICAL DESIGN 565000376 FINITE ELEMENTS AND MECHANICAL VIBRATIONS 565003525 ARTISTIC DRAWING 565003525 ARTISTIC DRAWING 565003533 BASIC DESIGN PRINCIPLES 565003536 BASICS OF AESTHETICS AND ANTHROPOLOGY 565003554 NON METALLICS MATERIALS SUBJECT CREDITS RECOGNIZED AT SUBJECT CREDITS RECOGNIZED AT COMPLETE OF THE PROJECT MECHANICAL ENGINEERING	3 4.5 4.5 3 4.5 3 4.5 3 4.5 4.5 3 3 4.5 3 4.5 3 4.5 3 4.5 3 4.5 3 4.5 3 4.5 3 4.5 3 3 4.5 3 3 4 5 3 3 4 3 4 5 3 3 4 5 3 3 3 4 5 3 4 5 3 3 4 5 3 4 5 3 3 4 5 3 3 4 5 3 3 3 3		0 0 0 0 0 0 0 0 0 0 0 0	16-17 16-17 18-19 18-19 17-18 18-19 18-19 18-19 18-19 18-19 19-20 14-15 15-16	1 1 1 1 1 1 1 1 1 1 1	J J J J JUL FEB FEB FEB FEB FEB FEB	VERY VERY EXCE: VERY EXCE: PASS PASS PASS PASS PASS PASS EXCE: EXCE:	GOOD GOOD LLENT GOOD LLENT LLENT		7.40 8.00 10.00 7.20 10.00 9.00 5.50 5.50 10.00 5.50 5.50	2005 2002 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
565000364 MACHINE DESIGN II 565000365 FLUID MECHANICAL MACHINES AND SYSTEMS 565000366 ANALYSIS AND SYNTHESIS OF MECHANISMS 565000367 COMPUTER-AIDED MANUFACTURING CADEMIC YEAR 4 565000370 PROJECT ENGINEERING AND MANUFACTURING MANAGEMENT 565000371 METROLOGY AND QUALITY 565000372 MANUFACTURING ENGINEERING 565000373 RECIPROCATING ENGINES 565000374 FLEXIBLE MANUFACTURING SYSTEMS 565000375 MECHANICAL DESIGN 565000376 FINITE ELEMENTS AND MECHANICAL VIBRATIONS 565003525 ARTISTIC DRAWING 565003525 ARTISTIC DRAWING 565003533 BASIC DESIGN PRINCIPLES 565003536 BASICS OF AESTHETICS AND ANTHROPOLOGY 565003554 NON METALLICS MATERIALS SUBJECT CREDITS RECOGNIZED AT PP Subject Completed in Curriculum: DUAL BACHELOR SCIENCE INDUS tbj FINAL DEGREE PROJECT MECHANICAL ENGINEERING	4.5 4.5 3 4.5 3 4.5 3 4.5 4.5 4.5 3 4.5 3 4.5 3 4.5 3		0 0 0 0 0 0 0 0 0 0 0	16-17 18-19 18-19 17-18 18-19 18-19 18-19 18-19 18-19 19-20 14-15 15-16		J J J JUL FEB FEB FEB FEB FEB FEB	VERY EXCE: VERY EXCE: PASS PASS EXCE: PASS PASS EXCE: EXCE: EXCE:	GOOD LLENT GOOD LLENT LLENT LLENT		8.00 10.00 7.20 10.00 9.00 5.50 5.50 10.00 5.50 5.50	2002
565000365 FLUID MECHANICAL MACHINES AND SYSTEMS 565000366 ANALYSIS AND SYNTHESIS OF MECHANISMS 565000367 COMPUTER-AIDED MANUFACTURING CADEMIC YEAR 4 565000370 PROJECT ENGINEERING AND MANUFACTURING MANAGEMENT 565000371 METROLOGY AND QUALITY 565000372 MANUFACTURING ENGINEERING 565000373 RECIPROCATING ENGINES 565000374 FLEXIBLE MANUFACTURING SYSTEMS 565000375 MECHANICAL DESIGN 565000375 MECHANICAL DESIGN 565000376 FINITE ELEMENTS AND MECHANICAL VIBRATIONS 565003525 ARTISTIC DRAWING 565003533 BASIC DESIGN PRINCIPLES 565003536 BASICS OF AESTHETICS AND ANTHROPOLOGY 565003554 NON METALLICS MATERIALS SUBJECT CREDITS RECOGNIZED AT PP SUBJECT COMPLETED IN ENGLISH LANGUAGE COMPLETED IN CURTICULUM: DUAL BACHELOR SCIENCE INDUS TO SUBJECT CREDITS RECOGNIZED AT THE SUBJECT CREDITS AND AT THE	4.5 4.5 3 4.5 3 4.5 4.5 4.5 6 6 4.5 4.5 3		O O O O O O O O O	18-19 18-19 17-18 18-19 18-19 18-19 18-19 18-19 19-20 14-15 15-16	1 1 1 1 1 1 1 1 1 1	J J J JUL FEB FEB FEB FEB FEB J	EXCE: VERY EXCE: PASS PASS EXCE: PASS PASS EXCE: EXCE: EXCE:	CLENT GOOD LLENT LLENT LLENT		10.00 7.20 10.00 9.00 5.50 5.50 10.00 5.50 5.50	2 2 2 1 2 2 2 2
565000366 ANALYSIS AND SYNTHESIS OF MECHANISMS 565000367 COMPUTER-AIDED MANUFACTURING CADEMIC YEAR 4 565000370 PROJECT ENGINEERING AND MANUFACTURING MANAGEMENT 565000371 METROLOGY AND QUALITY 565000372 MANUFACTURING ENGINEERING 565000373 RECIPROCATING ENGINES 565000374 FLEXIBLE MANUFACTURING SYSTEMS 565000375 MECHANICAL DESIGN 565000375 MECHANICAL DESIGN 565000376 FINITE ELEMENTS AND MECHANICAL VIBRATIONS 565003525 ARTISTIC DRAWING 565003533 BASIC DESIGN PRINCIPLES 565003536 BASICS OF AESTHETICS AND ANTHROPOLOGY 565003554 NON METALLICS MATERIALS SUBJECT CREDITS RECOGNIZED AT PP SUBJECT COMPLETE B2 IN ENGLISH LANGUAGE COMPLETE IN CURTICULUM: DUAL BACHELOR SCIENCE INDUST SUBJECT FINAL DEGREE PROJECT MECHANICAL ENGINEERING	4.5 3 4.5 3 4.5 4.5 4.5 6 6 4.5 4.5 3		O O O O O O O O	18-19 17-18 18-19 18-19 18-19 18-19 18-19 19-20 14-15 15-16	1 1 1 1 1 1 1 1 1	J J JUL FEB FEB FEB FEB FEB J	VERY EXCE: PASS PASS EXCE: PASS PASS EXCE: EXCE:	GOOD LLENT LLENT LLENT		7.20 10.00 9.00 5.50 5.50 10.00 5.50 5.50	2 2 1 2 2 2 2
565000367 COMPUTER-AIDED MANUFACTURING CADEMIC YEAR 4 565000370 PROJECT ENGINEERING AND MANUFACTURING MANAGEMENT 565000371 METROLOGY AND QUALITY 565000372 MANUFACTURING ENGINEERING 565000373 RECIPROCATING ENGINES 565000374 FLEXIBLE MANUFACTURING SYSTEMS 565000375 MECHANICAL DESIGN 565000375 FINITE ELEMENTS AND MECHANICAL VIBRATIONS 565003525 ARTISTIC DRAWING 565003533 BASIC DESIGN PRINCIPLES 565003536 BASICS OF AESTHETICS AND ANTHROPOLOGY 565003554 NON METALLICS MATERIALS SUBJECT CREDITS RECOGNIZED AT PP SUBJECT COMPLETE IN ENGLISH LANGUAGE COMPLETE IN CURTICULUM: DUAL BACHELOR SCIENCE INDUSTED TO SUBJECT STANDOWN SCIENCE INDUSTED TO SUBJECT	3 4.5 3 4.5 4.5 3 4.5 6 6 4.5 4.5 3		B O O O O O O O O	18-19 17-18 18-19 18-19 18-19 18-19 19-20 14-15 15-16	1 1 1 1 1 1 1 1	JUL FEB FEB FEB FEB FEB J	EXCE: PASS PASS EXCE: PASS PASS PASS EXCE:	LLENT		9.00 5.50 5.50 10.00 5.50 5.50	1 2 2 2 2
CADEMIC YEAR 4 565000370 PROJECT ENGINEERING AND MANUFACTURING MANAGEMENT 565000371 METROLOGY AND QUALITY 565000372 MANUFACTURING ENGINEERING 565000373 RECIPROCATING ENGINES 565000374 FLEXIBLE MANUFACTURING SYSTEMS 565000375 MECHANICAL DESIGN 565000376 FINITE ELEMENTS AND MECHANICAL VIBRATIONS 565003525 ARTISTIC DRAWING 565003533 BASIC DESIGN PRINCIPLES 565003536 BASICS OF AESTHETICS AND ANTHROPOLOGY 565003554 NON METALLICS MATERIALS SUBJECT CREDITS RECOGNIZED AT PP SUBJECT COMPLETE IN ENGLISH LANGUAGE COMPLETE IN CURTICULUM: DUAL BACHELOR SCIENCE INDUSTED TO SUBJECT STENCE INDUSTED TO SUBJECT STENCE INDUSTED TO SUBJECT SCIENCE	4.5 3 4.5 4.5 3 4.5 6 6 4.5 4.5 3		B O O O O O O O O	17-18 18-19 18-19 18-19 18-19 18-19 19-20 14-15 15-16	1 1 1 1 1 1 1	JUL FEB FEB FEB FEB FEB FEB FEB	EXCE: PASS PASS EXCE: PASS PASS PASS EXCE:	LLENT		9.00 5.50 5.50 10.00 5.50 5.50	1 2 2 2 2
565000370 PROJECT ENGINEERING AND MANUFACTURING MANAGEMENT 565000371 METROLOGY AND QUALITY 565000372 MANUFACTURING ENGINEERING 565000373 RECIPROCATING ENGINES 565000374 FLEXIBLE MANUFACTURING SYSTEMS 565000375 MECHANICAL DESIGN 565000376 FINITE ELEMENTS AND MECHANICAL VIBRATIONS 565003525 ARTISTIC DRAWING 565003533 BASIC DESIGN PRINCIPLES 565003536 BASICS OF AESTHETICS AND ANTHROPOLOGY 565003554 NON METALLICS MATERIALS SUBJECT CREDITS RECOGNIZED AT PP Subject Completed in Curriculum: DUAL BACHELOR SCIENCE INDUS tbj FINAL DEGREE PROJECT MECHANICAL ENGINEERING	3 4.5 4.5 3 4.5 6 6 4.5 4.5 3			18-19 18-19 18-19 18-19 19-20 14-15 15-16	1 1 1 1 1 1 1	FEB FEB FEB FEB FEB J	PASS PASS PASS PASS PASS EXCE	LLENT		5.50 5.50 10.00 5.50 5.50	2 2 2 2
565000371 METROLOGY AND QUALITY 565000372 MANUFACTURING ENGINEERING 565000373 RECIPROCATING ENGINES 565000374 FLEXIBLE MANUFACTURING SYSTEMS 565000375 MECHANICAL DESIGN 565000376 FINITE ELEMENTS AND MECHANICAL VIBRATIONS 565003525 ARTISTIC DRAWING 565003533 BASIC DESIGN PRINCIPLES 565003536 BASICS OF AESTHETICS AND ANTHROPOLOGY 565003554 NON METALLICS MATERIALS SUBJECT CREDITS RECOGNIZED AT PP Subject Completed in Curriculum: DUAL BACHELOR SCIENCE INDUS This is a subject of the project mechanical engineering	4.5 4.5 3 4.5 6 6 4.5 4.5		0 0 0 0 0 0 0 0	18-19 18-19 18-19 18-19 19-20 14-15 15-16	1 1 1 1 1	FEB FEB FEB FEB J	PASS EXCE PASS PASS PASS EXCE	LLENT		5.50 5.50 10.00 5.50 5.50	2 2 2 2
565000372 MANUFACTURING ENGINEERING 565000373 RECIPROCATING ENGINES 565000374 FLEXIBLE MANUFACTURING SYSTEMS 565000375 MECHANICAL DESIGN 565000376 FINITE ELEMENTS AND MECHANICAL VIBRATIONS 565003525 ARTISTIC DRAWING 565003533 BASIC DESIGN PRINCIPLES 565003536 BASICS OF AESTHETICS AND ANTHROPOLOGY 565003554 NON METALLICS MATERIALS SUBJECT CREDITS RECOGNIZED AT PP Subject Completed in Curriculum: DUAL BACHELOR SCIENCE INDUS SUBJECT STANDARD BACHELOR BACHELOR SCIENCE INDUS SUBJECT STANDARD BACHELOR BACH	4.5 4.5 3 4.5 6 6 4.5 4.5		0 0 0 0 0 0 0 0	18-19 18-19 18-19 18-19 19-20 14-15 15-16	1 1 1 1 1	FEB FEB FEB FEB J	PASS EXCE PASS PASS PASS EXCE	LLENT		5.50 10.00 5.50 5.50	2 2 2
565000373 RECIPROCATING ENGINES 565000374 FLEXIBLE MANUFACTURING SYSTEMS 565000375 MECHANICAL DESIGN 565000376 FINITE ELEMENTS AND MECHANICAL VIBRATIONS 565003525 ARTISTIC DRAWING 565003533 BASIC DESIGN PRINCIPLES 565003536 BASICS OF AESTHETICS AND ANTHROPOLOGY 565003554 NON METALLICS MATERIALS SUBJECT CREDITS RECOGNIZED AT The Subject Completed in Curriculum: DUAL BACHELOR SCIENCE INDUSTRIALS Libj FINAL DEGREE PROJECT MECHANICAL ENGINEERING	4.5 3 4.5 6 6 4.5 4.5 3		0 0 0 0 0 0	18-19 18-19 18-19 19-20 14-15 15-16	1 1 1 1	FEB FEB FEB J FEB	PASS PASS PASS EXCE	LLENT		10.00 5.50 5.50	2
565000374 FLEXIBLE MANUFACTURING SYSTEMS 565000375 MECHANICAL DESIGN 565000376 FINITE ELEMENTS AND MECHANICAL VIBRATIONS 565003525 ARTISTIC DRAWING 565003533 BASIC DESIGN PRINCIPLES 565003536 BASICS OF AESTHETICS AND ANTHROPOLOGY 565003554 NON METALLICS MATERIALS SUBJECT CREDITS RECOGNIZED AT The Subject Completed in Curriculum: DUAL BACHELOR SCIENCE INDUSTRIALS Libj FINAL DEGREE PROJECT MECHANICAL ENGINEERING	3 4.5 6 6 4.5 4.5		0 0 0 0 0 0	18-19 18-19 19-20 14-15 15-16	1 1 1 1	FEB FEB FEB J FEB	PASS PASS PASS EXCE	LLENT		5.50 5.50	2
565000375 MECHANICAL DESIGN 565000376 FINITE ELEMENTS AND MECHANICAL VIBRATIONS 565003525 ARTISTIC DRAWING 565003533 BASIC DESIGN PRINCIPLES 565003536 BASICS OF AESTHETICS AND ANTHROPOLOGY 565003554 NON METALLICS MATERIALS SUBJECT CREDITS RECOGNIZED AT THE SUBJECT COMPLETE OF THE SUBJECT CREDITS RECOGNIZED AT	4.5 6 6 4.5 4.5 3		0 0 0 0	18-19 19-20 14-15 15-16 15-16	1 1 1	FEB FEB J FEB	PASS PASS EXCE EXCE			5.50	
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565003536 BASICS OF AESTHETICS AND ANTHROPOLOGY 565003554 NON METALLICS MATERIALS SUBJECT CREDITS RECOGNIZED AT The Subject Libj LEVEL B2 IN ENGLISH LANGUAGE Completed in Curriculum: DUAL BACHELOR SCIENCE INDUSTRIBLY FINAL DEGREE PROJECT MECHANICAL ENGINEERING	4.5		0	15-16	_						
SUBJECT CREDITS RECOGNIZED AT SUBJECT CREDITS RECOGNIZED AT PE Subject Libj LEVEL B2 IN ENGLISH LANGUAGE Completed in Curriculum: DUAL BACHELOR SCIENCE INDUSTRIBLY FINAL DEGREE PROJECT MECHANICAL ENGINEERING	3		-		1	FEB			T-T-T-T		2010
SUBJECT CREDITS RECOGNIZED AT THE PROPERTY OF			()						MT.T.		2010
pe Subject Libj LEVEL B2 IN ENGLISH LANGUAGE Completed in Curriculum: DUAL BACHELOR SCIENCE INDUSTRIBLY FINAL DEGREE PROJECT MECHANICAL ENGINEERING	r Sen			19-20	1	FEB	VERI	GOOD		7.60	2010
dbj LEVEL B2 IN ENGLISH LANGUAGE Completed in Curriculum: DUAL BACHELOR SCIENCE INDUS bj FINAL DEGREE PROJECT MECHANICAL ENGINEERING											
Completed in Curriculum: DUAL BACHELOR SCIENCE INDUS	Cred	i T	УÞ	Year	Se	ssion		Uni	LV.		
bj FINAL DEGREE PROJECT MECHANICAL ENGINEERING	0	В		14-15		CREDI				UPM	
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Code Subject						Cred	lSem	Тур	Mt		
											
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SUBJECTS TAKEN VIA AN INTER	ITANS	ONAL	PRO	GRAMME							
Asignatura Cred Año	Cali	if.		Unive	ersid	ad					
VANCED MANUFACTURING PROCESSES 10 18-19	19/30	0		POLI	recni	CO MII	AN.	ITALI	Α.		
T AND DESIGN OF PAPER CONSTRUCTION 5 17-18	90/10	00		COLLI	EGE O	F DESI	GN AI	ND IN	CAVO	TON TO	ONGJI
IIVERSITY. CHINA.											
MBAS Y COMPRESORES 5 18-19	97			UNIV	ERSID	AD TEC	CNICA	FEDE	RICO	DE SAI	NTA
RIA. CHILE											
MMUNICATION DESIGN IN BRANDING AND IDENTITY 5 17-18	90/10	00		COLLI	EGE O	F DESI	GN AI	ND IN	CAVO	TON TO	ONGJI
IIVERSITY. CHINA.											

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STUDENT PARTICULARS:

SUBJECTS TAK	EN VIA	AN INTE	RNATIONAL	PROGRAMME
Asignatura	Cred	Año	Calif.	Universidad
DESIGN OF MECHANICAL SYSTEMS/PROGETTAZIONE DI	5	18-19	19/30	POLITECNICO MILAN. ITALIA.
SISTEMI MECCANICI				
DESIGN STUDIO 2: CO-DESIGN PROJECT CLASS 8	5	17-18	89/100	COLLEGE OF DESIGN AND INNOVATION TONGJI
UNIVERSITY. CHINA.				
ELEMENTOS DE MAQUINAS	5	18-19	75	UNIVERSIDAD TECNICA FEDERICO DE SANTA
MARIA. CHILE				
FUNDAMENTOS DE ELECTRONICA	5	18-19	94	UNIVERSIDAD TECNICA FEDERICO DE SANTA
MARIA. CHILE				
GESTION AMBIENTAL	5	18-19	77	UNIVERSIDAD TECNICA FEDERICO DE SANTA
MARIA. CHILE.				
GRAFICA EN INGENIERÍA	5	18-19	98	UNIVERSIDAD TECNICA FEDERICO DE SANTA
MARIA. CHILE.				
MACCHINE E SISTEMI ENERGETICI - FLUID - MACHINES	7	18-19	23/30	POLITECNICO MILAN. ITALIA.
AND ENERGY SYSTEMS				
MOTORI A COMBUINTERNAL COMBUSTION ENGINE L -	5	18-19	30/30	POLITECNICO MILAN. ITALIA.
MOTORI A COMBUSTIONE INTERNA LSTIONE INTERNA L				
OPEN DESIGN	5	17-18	94/100	COLLEGE OF DESIGN AND INNOVATION TONGUI
UNIVERSITY.CHINA.				
PARAMETRIC DESIGN	5	17-18	95/100	COLLEGE OF DESIGN AND INNOVATION TONGJI
UNIVERSITY.CHINA.				
PRODUCT SERVICE SYSTEM DESIGN METHODOLOGIES AND	5	17-18	89/100	COLLEGE OF DESIGN AND INNOVATION TONGJI
UNIVERSITY. CHINA.				
TOOLS				

		COMPLETED MODULES AND UNITS			
	Code	Description	Cred	Average Year	Sess.
Module:	286	BASIC TRAINING	60	9.4 15-16	FEB
Unit:	1976	MATHEMATICS Basic subject:MATEMÁTICAS	24	9.6 14-15	J
Unit:	1977	PHYSICS Basic subject:FÍSICA	12	9.6 14-15	J
Unit:	1978	CHEMISTRY Basic subject:QUÍMICA	6	8.3 14-15	FEB
Unit:	1979	GRAPHIC COMMUNICATION Basic subject:EXPRESIÓN GRÁFICA	6	9.0 14-15	FEB
Unit:	1980	COMPUTING Basic subject:INFORMÁTICA	6	10.0 14-15	J
Unit:	1981	BUSINESS Basic subject: EMPRESA	6	9.0 15-16	FEB
Module:	287	COMPULSORY UPM SUBJECTS	6	8.5 15-16	FEB
Unit:	1982	ENGLISH	6	8.5 15-16	FEB
Module:	288	BRANCH CORE SUBJECTS	60	8.4 18-19	J
Unit:	1983	THERMODYNAMICS AND HEAT TRANSFER	9	9.1 15-16	J

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STUDENT PARTICULARS:

Name and Surname: TOMAS CABEZON PEDROSO Identification: National Identity Document: 79047381S

		COMPLETED MODULES AND UNITS			
	Code	Description	Cred	Average Year	Sess
Unit:	1984	FLUID MECHANICS	4.5	8.2 16-17	FEB
Unit:	1985	MATERIALS	4.5	6.5 15-16	FEB
Unit:	1986	STRENGTH OF MATERIALS	4.5	7.5 15-16	FEB
Unit:	1987	MANUFACTURING TECHNOLOGIES	4.5	9.5 15-16	J
Unit:	1988	INDUSTRIAL ORGANIZATION	4.5	9.3 16-17	J
Unit:	1989	CIRCUIT THEORY	4.5	7.5 15-16	J
Unit:	1990	ELECTRONICS	4.5	9.5 18-19	FEB
Unit:	1991	THEORY OF MACHINERY AND MECHANISMS	4.5	9.0 16-17	FEB
Unit:	1992	PROJECTS	4.5	9.0 17-18	JUL
Unit:	1993	AUTOMATION	3	7.8 16-17	J
Unit:	1994	ENVIRONMENT	3	7.4 18-19	J
Unit:	1995	ELECTRICAL MACHINERY	4.5	8.6 16-17	FEB
Module:	289	SPECIALIZED SUBJECTS	48	7.9 18-19	J
Unit:	1996	ELASTICITY AND STRENGTH OF MATERIALS	6	9.1 15-16	J
Unit:		GRAPHICS ENGINEERING	6	9.5 15-16	J
Unit:		STRUCTURE THEORY	4.5	7.8 16-17	FEB
Unit:		HEAT ENGINEERING	4.5	6.5 18-19	FEB
Unit:		MATERIALS ENGINEERING	4.5	9.2 16-17	FEB
Unit:		FLUID MACHINERY AND MECHANICS SYSTEMS	4.5	10.0 18-19	J
Unit:		MACHINERY DESIGN	7.5	7.6 16-17	J
Unit:		MANUFACTURING ENGINEERING	4.5	5.5 18-19	FEB
Unit:		METROLOGY AND QUALITY	3	5.5 18-19	FEB
Unit:		INDUSTRIAL CONSTRUCTIONS	3	7.4 16-17	J
Module:	290	TRACK	36	7.6 19-20	FEB
Unit:	2006	NUMERICAL METHODS	3	10.0 14-15	J
Unit:	2007	MECHANICS	3	9.0 14-15	J
Unit:	2008	OPTIONAL SUBJECTS A			
		30 7.3 19-20 FEB			
Module:	291	OPTIONAL SUBJECTS	18	9.2 19-20	FEB
Unit:	2010	OPTIONAL SUBJECTS	18	9.2 19-20	FEB
Module:	292	FINAL-YEAR PROJECT	12	10.0 19-20	J
Unit:	2011	FINAL-YEAR PROJECT	12	10.0 19-20	J

STUDENT OUTCOMES

Session Student Outcomes.

J /2014-15 FIRST YEAR J /2016-17 SECOND YEAR

J /2018-19 THIRD YEAR

FEB/2019-20

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STUDENT PARTICULARS:

Name and Surname: TOMAS CABEZON PEDROSO Identification: National Identity Document: 79047381S

STUDENT OUTCOMES

Session Student Outcomes.

J /2019-20 MECHANICAL ENGINEERING DEGREE

Average grade according to UPM Regulations:

CREDIT OVERVIEW Type Subject Required Credits **Gained Credits Remaining Credits Registered Credits** BASIC (T) 60.00 60.00 0.00 0.00 66.00 66.00 COMPULSORY 0.00 0.00 (B) END OF DEGREE PROJEC(P) 12.00 12.00 0.00 0.00 OPTIONAL (0) 102.00 102.00 0.00 0.00

8.63

OBSERVATIONS ON ACADEMIC RECORD

TÍTULO TFG: UTILIZACIÓN DE MÉTODOS ALEATORIOS EN LA GENERACIÓN DE FORMAS GEOMÉTRICAS

FECHA DE DEFENSA: 8-7-20

DIRECTOR: DANIEL JEREMY FOX HORNIG

In witness whereof, I have, at the behest of the interested party, issued this certificate approved by the General Secretary on .

General Secretary M. Teresa González Aguado

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STUDENT PARTICULARS:

Name and Surname: TOMAS CABEZON PEDROSO Identification: National Identity Document: 79047381S

KEY

The listed subject units (ut) are detailed below:

1976 - MATHEMATICS

1977 - PHYSICS

1978 - CHEMISTRY

1979 - GRAPHIC COMMUNICATION

1980 - COMPUTING

1981 - BUSINESS

1982 - ENGLISH

1983 - THERMODYNAMICS AND HEAT TRANSFER

1984 - FLUID MECHANICS

1985 - MATERIALS

1986 - STRENGTH OF MATERIALS

1987 - MANUFACTURING TECHNOLOGIES

1988 - INDUSTRIAL ORGANIZATION

1989 - CIRCUIT THEORY

1990 - ELECTRONICS

1991 - THEORY OF MACHINERY AND MECHANISMS

1992 - PROJECTS

1993 - AUTOMATION

1994 - ENVIRONMENT

1995 - ELECTRICAL MACHINERY

1996 - ELASTICITY AND STRENGTH OF MATERIALS

1997 - GRAPHICS ENGINEERING

1998 - STRUCTURE THEORY

1999 - HEAT ENGINEERING

2000 - MATERIALS ENGINEERING

2001 - FLUID MACHINERY AND MECHANICS SYSTEMS

2002 - MACHINERY DESIGN

2003 - MANUFACTURING ENGINEERING

2004 - METROLOGY AND QUALITY

2005 - INDUSTRIAL CONSTRUCTIONS

2006 - NUMERICAL METHODS

2007 - MECHANICS

2008 - OPTIONAL SUBJECTS A

2010 - OPTIONAL SUBJECTS

2011 - FINAL-YEAR PROJECT

The listed universities (univ.) indicate that the subject was taken at the specified university:

UPM - UNIVERSIDAD POLITÉCNICA DE MADRID

Cred-Credits Dur-Duration (A-Annual, 1S-First semester, 2S-Second semester, I-Unspecified within academic year), Tip-Subject type (T-Basic, B-Compulsory, O-Optional, C-Bridge Course, E-External Placements, L-Libre Elección, P-End Of Degree Project). C.ag-No. of times examination sat, Conv-Examination sitting, excluding examinations not taken. The AC grade means that the student has been awarded a conceded pass.

Level B2 English language proficiency is a prerequisite for the compulsory subject Professional and Academic English.

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