TECHNOLOGICAL EDUCATIONAL INSTITUTE (T.E.I.) OF PIRAEUS

DEPARTMENT OF Electrical Engineering

P.Ralli & Thivon 250, 12244 Egaleo

DIPLOMA SUPPLEMENT

This Diploma Supplement model was developed by the European Commission, Council of Europe and UNESCO/CEPES. The purpose of the supplement is to provide sufficient independent data to improve the international "transparency" and fair academic and professional recognition of qualifications (diplomas, degrees, certificates etc.). It is designed to provide a description of the nature, level, context, content and status of the studies that were pursued and successfully completed by the individual named on the original qualification to which this supplement is appended. It should be free from any value judgements, equivalence statements or suggestions about recognotion. Information in all eight sections should be provided. Where information is not provided, an explanation should give the reason why.

1. INFORMATION IDENTIFYING THE HOLDER OF THE QUALIFICATION

1.1 Family name(s) :

1.2 Given name(s) :

1.3 Date of birth (day/month/year) :

1.4 Student identification code or number (if available):

2. INFORMATION IDENTIFYING THE QUALIFICATION

2.1 Name of qualification and (if applicable) title conferred (in original language)**Ptychio (degree)**

2.2 Main field(s) of study for the qualification :

Electrical Engineering

2.3 Name and status of awarding institution (in original language) :

Technologiko Ekpedeftiko Idrima (T.E.I.) Peiraia, (Technological Education Institute of Piraeus)

2.4 Name and status of institution (if different from 2.3) administering studies (in original language) :

As above.

2.5 Language(s) of instruction/examination : Greek

3. INFORMATION ON THE LEVEL OF THE QUALIFICATION

3.1 Level of qualification :

Undergraduate - First cycle

3.2 Official length of programme :

Duration in years: 4 - Weeks per year: 38 - ECTS units: 240 - Total student's workload: 6000 hours - Practical training: 6 months

3.3 Access requirements :

Certificate of Upper Secondary Education (Lyceum Diploma) and Panhellenic entrance Examinations or Technical and Vocational School (TEE) Certificate and Panhellenic entrance Examinations

4. INFORMATION ON THE CONTENTS AND RESULTS GAINED

4.1 Mode of study : **Full time**

4.2 Programme requirements :

Students receive their degree when: (i) They have successfully completed their compulsory, mandatory elective as well as any optional Courses of the programme and have accumulated 240 ECTS credits. (ii) Their graduation project haw been approved (iii) They have successfully completed their practical training. Upon completion of the undergraduate study program, the graduate possesses advanced theoretical and factual knowledge of the field of Electrical Enginering and its applications, involving a critical understanding of its theories and principles. The graduate possesses advanced cognitive and practical skills, demonstrating mastery and innovation, required to solve complex and unpredictable problems in the specialized fields of electric systems, telecommunications, industrial electronics, automations and informatics.The graduate possesses the required responsibility and autonomy to manage complex technical or professional activities or projects, taking responsibility for decision making in unpredictable work or study contexts of Electrical Engineering and its specialized application fields mentioned above, as well as to take responsibility for managing professional development of individuals and groups in the same fields.

4.3 Programme details:

(e.g. modules or units studied), and the individual grades/marks/credits obtained:

No	Code	Course Title	Examination Period	Course Type	ECTS Credits	Grade
	1st SEMESTER					
1	210101	Mathematics I		GBC	7,0	5,0
2	210102	Physics		GBC	6,0	5,3
3	210103	Electrochemistry		GBC	4,0	7,0
4	210104	Electrotechnology I		GBC	8,0	5,5
5	210105	Technical Mechanics		GBC	5,0	5,5
	2nd SEMESTER					
6	210201	Mathematics II		GBC	7,5	5,0
7	210202	Electrotechnology II		GBC	8,5	5,0
8	210204	Electrical Measurement		GBC	7,0	6,8
9	210205	Computer Programming I		GBC	4,5	7,0
10	211203	Electrical Design		GBC	2,5	7,5
	3rd SEMESTER					
11	210301	Mathematics III		GBC	5,0	8,2
12	210302	Electronics I		GBC	6,0	6,8
13	210303	Digital Systems		GBC	6,0	6,2
14	210304	Measurement Technology		GBC	5,0	7,8
15	210305	Computer Programming II		GBC	5,0	7,0
16	210306	Foreign Languages (English Terminology)		GBC	3,0	7,1
	4th SEMESTER					
17	210401	Control Systems I		GBC	5,0	5,2
18	210402	Electric Machines I		GBC	7,0	6,3
19	210403	Electronics II		GBC	6,0	5,8
20	210404	Microprocessors		GBC	5,0	6,3
21	210407	Computer Aided Design		SBC	3,5	10,0
22	210408	Systems Administrations and Communications		GBC	3,5	5,0
	5th SEMESTER					
23	210501	Control Systems II		GBC	5,5	5,4
24	210502	Electric Machines II		GBC	6,0	6,4
25	210503	Electro-technical Applications		GBC	9,5	5,6
26	210505	Modern Electrotechnology		SBC	3,5	7,0
27	210508	Industrial Revolution and Society		GBC	3,5	7,5
28	211504	Electrical Constructions		GBC	2,0	6,5
	6th SEMESTER					
29	210601	Electrical Installations I		GBC	5,5	8,8
30	210602	Electrical Energy Systems I		GBC	5,5	5,0
31	210603	Power Electronics		GBC	7,0	6,2
32	210604	High Voltage Technology		GBC	5,0	6,0
33	210605	Renewable Energy Sources		SBC	3,5	5,0
34	210608	Economics of Engineers		GBC	3,5	5,0
	7th SEMESTER					
35	210701	Electrical Installations II		GBC	7,0	8,4
36	210702	Electrical Energy Systems II		GBC	6,5	6,9
37	210703	Motor Driving Systems		GBC	5,0	5,2
38	210704	Lighting Technology		GBC	4,5	7,6
39	210708	Modern Systems of Electrical Energy Systems		SBC	3,5	5,0
40	210709	Introduction to the Science Philosophy		GBC	3,5	9,0
	8th SEMESTER					
41	210060			GBC	20,0	8,5
42	210801	Practical Training		GBC	10,0	
		Total Sum of Course Credits ECTS			**240,0**	

GBC : General background courses, SBC : Specific background courses, ELEC : Elective courses (are not included in the prerequisities for receiving the degree)

Dissertation title (Ects Credits 20) :

ENVIROMENTAL STUDY OF PHOTOVOLTAICS PERFORMANCE IN GREECE

The Placement (6 months) took place in the enterprise / organisation:

H.E.C. High Electrical Control from 15/12/2009 to 14/06/2010

4.4 Grading Scheme and, if available, grade distribution quidance:

According to the Institution's studies regulations grading is in a scale from zero to ten and grade distribution is as follows:
8,50-10,00 Excellent
6,50-8,40 Very Good
5,00 - 6,40 Good
4,00 - 4,90 Insufficient
0,00 - 3,90 Fail
Successful completion of a course requires a grade of at least 5,00. For more information visit www.teipir.gr

4.5 Overall classification of the qualificationb (in original language): 6,55 (Very good (Lian Kalos))

5. INFORMATION ON THE FUNCTION OF THE QUALIFICATION

5.1 Access to further study:

The department's degree gives access to postgraduate studies leading to an award of a postgraduate degree of specialization or a doctorate degree.

5.2 Professional status (if applicable):

The title of the department leads to a regulated profession (Bill 1404/83, art.25). At the present time and while new legislation (P.D. 2916/2001) regulating the profession is still in abeyance, the profession is regulated by the old Royal Decree (Β.Δ. 699/71 - ΦΕΚ 233-Α') according to which the holders of this title have the right to research, execute, supervise and maintain electrical installations as follows:A Speciality: Interior electrical instalatons, luminous pipes and cine-power up to 100kW. - C Speciality:electromechanics engineers and electrical instalations of industrial factories and workshop of power up to 100kW. - F Speciality: electrical installations of production, convertion of transport, modification and distribution of electrical power up to 250kW.

6. ADDITIONAL INFORMATION

6.1 Additional Information:

Not available.

6.2 Further information sources:

www.ypepth.gr
www.teipir.gr
http://gdias.teipir.gr
http://electrical_dep.teipir.gr

Mail address:
Technological Education Institute (TEI) of Peiraia
Department Electrical Engineering
250 Thivon & P. Ralli
12244 Athens Greece

7. CERTIFICATION OF THE SUPPLEMENT

7.1 Date : 19/09/2012

7.2 Names and signatures

	PANAGIOTA ORFANOY	PANTELIS MALATESTAS	LAZAROS VRIZIDIS
	Administrative staff	Professor	Professor
7.3 Capacity	HEAD OF SECRETERIAT	HEAD OF DEPARTMENT	PRESITENT

7.4 Official stamp or seal

ΤΕΙ ΠΕΙΡΑΙΑ
ΓΡΑΜΜΑΤΕΙΑ ΤΜΗΜΑΤΟΣ ΗΛΕΚΤΡΟΛΟΓΙΑΣ
Αχριβές φωτοαντίγραφο από το πρωτότυπο/
αντίγραφο που κατέχει ο ενδιαφερόμενος
Αχαρνές 19-09-2012
Η Προϊσταμένη της Γραμματείας του Τμήματος
ΟΡΦΑΝΟΥ ΠΑΝΑΓΙΩΤΑ

8. INFORMATION ON THE NATIONAL HIGHER EDUCATION SYSTEM

(i) Structure

According to the Framework Law (2007), higher education consists of two parallel sectors: the University sector (Universities, Polytechnics, Fine Arts Schools, the Open University) and the Technological sector (Technological Education Institutions (TEI) and the School of Pedagogic and Technological Education).

The same law regulates issues concerning governance of higher education along the general lines of increased participation, greater transparency, accountability and increased autonomy.

There are also State Non-university Tertiary Institutes offering vocationally oriented courses of shorter duration (2 to 3 years) which operate under the authority of other Ministries.

(ii) Access

Entrance to the various Schools of the **Universities *(Panepistimio)*** and **Technological Education Institutions (*Technologiko Ekpaideftiko Idryma* – TEI)** depends on the general score obtained by Lyceum graduates on the Certificate, on the number of available places (*numerus clausus*) and on the candidates' ranked preferences among schools and sections.

(iii) Qualifications

Students who successfully complete their studies in universities and TEI are awarded a *Ptychio* (first cycle degree). First cycle programmes last from four years for most fields to five years for engineering and certain other applied science fields and six years for medicine. The *Ptychio* leads to employment or further study at the post-graduate level that includes the one year second cycle leading to the second degree, *Metaptychiako Diploma Eidikefsis* – equivalent to the *Master's* degree – and the third cycle leading to the doctorate degree, *Didaktoriko Diploma*.

Recent legislation on quality assurance in Higher Education, the Credit Transfer System and the Diploma Supplement defines the framework and criteria for evaluation of university departments and for certification of student degrees. These measures aim at promoting student mobility and contributing to the creation of a European Higher Education Area.

A detailed description of the Greek Education System is offered in:

- EURYDICE (http://www.eurydice.org) database of the European Education Systems.
- http://eacea.ec.europa.eu/education/eurydice/documents/thematic_reports/122EN.pdf (pages 82,83)