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TECHNOLOGICAL EDUCATIONAL INSTITUTE OF CENTRAL MACEDONIA

FACULTY OF TECHNOLOGICAL APPLICATIONS

DEPARTMENT OF CIVIL ENGINEERING AND SURVEYING ENGINEERING & GEOMATICS, TECHNOLOGICAL EDUCATION

DIRECTION: SURVEYING ENGINEERING & GEOMATICS

Prot. Nr …………...

Serres ..../..../........

**THE 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 judgments, equivalence statements or suggestions about recognition. 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. **Family name(s):**
   2. **Given name(s):**
   3. **Date of birth (day/month/year) – Place - Country of Birth:**
   4. **Student identification number or code:**
2. **INFORMATION IDENTIFYING THE QUALIFICATION**
   1. **Name of qualification and title conferred in original language:**

Degree of Geoinformatics & Surveying

* 1. **Main field(s) of study for the qualification:**

Geoinformatics & Surveying

* 1. **Name and status of awarding institution**:

Technological Educational Institute of Central Macedonia

* 1. **Name and status of institution administering studies:**

Technological Educational Institute of Central Macedonia

* 1. **Language(s) of instruction/examination:**

Greek

1. **INFORMATION ON THE LEVEL OF THE QUALIFICATION**
   1. **Level of qualification:**

Basic higher education qualification (Level Bachelor)

Level 6 (ISCED classification system of UNESCO)

* 1. **Official length of program:**

Years: 4

Weeks per year: 38 (30 tutorial plus 8 examination weeks)

Credits ECTS: 240

Total workload: 6000 hours

Practice: Six-month internship after the 7th semester of studies.

* 1. **Access requirement(s):**

High School [Lyceum] Baccalaureate and successful participation in the National (Panhellenic) entrance exams.

1. **INFORMATION ON THE CONTENTS AND RESULTS GAINED**
   1. **Mode of study:**

Full-time

* 1. **Program requirements:**

According to the Institute’s Regulation of Studies, graduate students complete their studies when they have:

(a) Successfully completed all the courses and received 210 credits ECTS  
(b) Completed and approved their graduate dissertation (20 credits ECTS)  
(c) Completed their 6-month internship (10 credits ECTS)

Total of ECTS credits: 240. More information: URL: [www.teicm.gr](http://www.teicm.gr)

* 1. **Program details: (e.g. modulus or units studied) and the individual grades/marks/credits obtained:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Α/Α | Code | Course Title | Semester | Credits ECTS | Grade |
| 1 | 101 | Mathematics Ι | 1st | 7 |  |
| 2 | 102 | Applied Informatics I | 1st | 6 |  |
| 3 | 103 | Elements of probability theory and statistics | 1st | 4 |  |
| 4 | 104 | Computer Aided Design I | 1st | 4 |  |
| 5 | 106 | Measurement Techniques | 1st | 4 |  |
| 6 | 201 | Mathematics ΙΙ | 2nd | 5 |  |
| 7 | 202 | Applied Informatics IΙ | 2nd | 6 |  |
| 8 | 203 | Geology | 2nd | 6 |  |
| 9 | 204 | Computer Aided Design II | 2nd | 4 |  |
| 10 | 304 | Human Geography and Spatial Economics | 3rd | 5 |  |
| 11 | 406 | History and institutional  urban planning | 4th | 5 |  |
| 12 | 503 | Environmental Legislation\* | 5th | 7 |  |
| 13 | 505 | Real Estate management | 5th | 7 |  |
| 14 | 602 | Ecology and Sustainable Development | 6th | 5 |  |
| 15 | 702 | Automation Systems Applications and Local Authorities | 7th | 5 |  |
|  |  | **Total** |  | **73** |  |

**Courses of Special Infrastructure (C.S.I.)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Α/Α | Code | Course Title | Semester | Credits ECTS | Grade |
| 1 | 105 | Surveying I | 1st | 5 |  |
| 2 | 205 | Introduction to geoinformatics | 2nd | 4 |  |
| 3 | 206 | Introduction to Cartography | 2nd | 5 |  |
| 4 | 301 | Surveying IΙ | 3rd | 5 |  |
| 5 | 302 | Spatial planning | 3rd | 6 |  |
| 6 | 305 | Road Construction Ι | 3rd | 5 |  |
| 7 | 306 | Algorithms in Geomatics | 3rd | 3 |  |
| 8 | 401 | GIS I | 4th | 6 |  |
| 9 | 402 | Photogrammetry I | 4th | 5 |  |
| 10 | 404 | Quantitative methods in Geographical Analysis | 4th | 5 |  |
| 11 | 405 | Surveying IΙΙ | 4th | 4 |  |
| 12 | 502 | GIS IΙ | 5th | 5 |  |
| 13 | 506 | Photogrammetry IΙ | 5th | 7 |  |
| 14 | 604 | Decision Support Systems and GIS\*\* | 6th | 7 |  |
| 15 | 605 | Rural Planning | 6th | 7 |  |
|  |  | **Total** |  |  |  |

**Courses of Specialization (C.S.)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Α/Α |  | Course Title | Semester | Credits ECTS | Grade |
| 1 | 303 | Databases | 3rd | 6 |  |
| 2 | 403 | Road Construction ΙΙ | 4th | 5 |  |
| 3 | 501 | GPS | 5th | 6 |  |
| 4 | 504 | Thematic Cartography | 5th | 5 |  |
| 5 | 601 | Applications in Regional and Urban Planning (GIS III) | 6th | 6 |  |
| 6 | 603 | Cadastral Surveying | 6th | 5 |  |
| 7 | 606 | Remote Sensing | 6th | 7 |  |
| 8 | 703 | Cultural Documentation Systems | 7th | 5 |  |
| 9 | 704 | Urban Hydraulic Systems | 7th | 7 |  |
| 10 | 705 | Applied Urban Planning | 7th | 6 |  |
| 11 | 701 | Environmental Planning and Spatial Analysis\*\*\* | 7th | 7 |  |
| 12 | 706 | Remote Sensing Applications and Mapping\*\*\* | 7th | 7 |  |
|  |  | **Total** |  | **65** |  |

**(\*) Dissertation Title:**

**(\*\*) Internship (6 months) has been practiced in**

* 1. **Rating scheme and, if available, grade distribution guidance:**

According to the regulations the rating scale is organised as follows:

8.50-10.00 "Excellent"

6.50-8.49 "Very Good"

5.00-6.49 "Good"

4.00-4.99 "Insufficient"

0.00-3.99 "Poor"

For the successful completion of a course the rating should be greater than 5.0.

* 1. **Overall classification of the qualification (Greek):**

Concerns each student individually (for example: 8.2 Very good)

1. **INFORMATION ON THE FUNCTION OF THE QUALIFICATION**
   1. **Access to further studies:**

The degree of the Department provides access to postgraduate studies for a Master or Ph.D. degree.

* 1. **Professional status:**

Upon completion of their studies, the graduates of the Direction of Surveying and Geomatics**,** Tech. Ed., acquire the appropriate scientific and technological knowledge and skills, in order to be employed in any field of their scientific field, either as self-employed or as project leaders in relevant practices, Organizations and Services, and to apply contemporary scientific, technological, construction, research, managerial, educational, institutional and ethical practices and methods in exercising their profession in the following fields:

* Surveying
* Applied Geology
* Topographic and Geodetic networks
* Geographical Information Systems
* Cadastral Surveying
* Geomatics and Transportation
* Digital Cartography and Mapping
* Satellite Geodesy
* Remote Sensing
* Urban and Regional Planning
* Environmental Planning and Spatial Analysis
* Ecology and Sustainability
* Human Geography and Spatial Economics
* Digital documentation of cultural resources
* Urban Planning and Environmental legislation
* Research methodology (the ability to collect, evaluate, analyze and synthesize data)

In concluding, the graduates of the Direction may exercise efficiently any professional activities as a Surveying and Geomatic Engineer

More information: URL: [www.teicm.gr](http://www.teicm.gr)

1. **ADDITIONAL INFORMATION**
   1. **Additional information:**

* 1. **Further information sources:**
* Website of the Ministry of Education: <http://www.minedu.gov.gr/>
* ISCED classification system: <http://uis.unesco.org/en/topic/international-standard-classification-education-isced>
* Website of the Department: <http://civilgeo.teicm.gr/>
  1. **Address**

Τechnological Educational Institute (TEI) of Central Macedonia, Serres. DEPARTMENT OF CIVIL ENGINEERING, SURVEYING ENGINEERING & GEOMATICS - 62124 SERRES

1. **CERTIFICATION OF THE SUPPLEMENT**

|  |  |  |
| --- | --- | --- |
| Date: ..../..../........ |  |  |
| The Secretary of Department |  | The Head of Department |
|  |  |  |

1. **INFORMATION ON THE NATIONAL HIGHER EDUCATION SYSTEM**

<http://www.eurydice.org>

<http://www.eurydice.org/Eurybase/frameset.eurybase.html>

Education in Greece is compulsory for all children aged between 6-15 years old. It contains the Primary (Elementary) and Lower Secondary School (High School - Gymnasium).

The post-compulsory secondary education, according to the educational reform of 1997, comprises of two school types: Unified Upper Secondary Schools (Lyceums) and the Technical Vocational Schools (TEE). Attendance lasts three years at Lyceums and two years (cycle 1) or three years (cycle 2 - additional year) in the Technical Vocational Educational. Transfer of pupils between the aforementioned school types is also possible.

The post-compulsory secondary education also includes the Vocational Training Institutes (IEK), which offer official formal training but no academic ranking.

Higher education is public and available in Universities and Technological Educational Institutes (TEI). Student’s admission in these institutions depends on their performance in national examinations that take place in secondary school.

Higher education has a fixed length of study, namely 4, 5 or 6 years at universities, according to the department.

The classification of Educational Institutes presented above, is based on the requirement to successfully complete studies in each educational level (obtaining the respective certificate, degree, etc) in order to advance to the next educational level.



