



emetris
consulting



ERASMUS+ PROGRAMM

Computer Aided Design with Solidworks



Contacts



www.emetris.gr/erasmus/



erasmus@emetris.gr



facebook.com/EmetrisSA.Erasmus



linkedin.com/in/emetrissa-erasmus

Crete

Dimakopoulou 5, 71304

Heraklion, Crete

Tel: +302810246710

Fax: +302810246719

Thessaloniki

Adrianoupoleos 22, 55133

Kalamaria Thessaloniki

Tel: +30 2310 471 721

Fax: +30 2310 471720

Pic: 960240443

Target group

This course is intended for students and adults who are being trained or working in the field of mechanical engineering.

Objectives

The students will learn how to design using Solidworks 2016. In Solidworks students will build 3D parts from a series of simple sketches and features such as extrude, revolve, fillets, cuts and holes, among others. They can put parts together into assemblies. They can create 2d drawings from 3d parts and assemblies. Finally, the students will work on a group project and present their results to an audience.

Methodology

The teacher will start with lecture, but very soon the students will have to work in pairs or groups to finish certain tasks which teacher will assign to them. At the end of the course they will have to give a presentation about a graphic design project.

Services

Emetris provides vocational education and training for adults promoted by public national authorities, but also business training for companies and European training projects.

Experience

Emetris activates in the field of education since 2010 and specialized at making lifelong learning programs, the promotion of the employment and the development of entrepreneurship.

Network

Emetris has a strong educational business network within and outside the country with associate business partners, representatives and educational providers.



Modules

Day 1	Introducing to Solidworks – Working with sketches
Day 2	Creating simple parts – Getting more from sketches.
Day 3	Modeling with primer features – Patterning and mirroring – Editing, Evaluating
Day 4	Building Assemblies. Mates, Patterning and Mirroring components.
Day 5	Using assembly Tools, Libraries, Features and Hole Wizard. Editing, Evaluating Assemblies.
Day 6	Cultural activities (Visit to Knossos, the center of Minoan civilization and capital of Minoan Crete)*
Day 7	Cultural activities (Visit to Archaeological Museum of Herakleion)*
Day 8	Automating Drawing – Working with drawing views



Collaboration

We collaborate with 22 partners in the private sector that concerns specialized training centers (fully equipped with all modern technological and educational resources for the full implementation of education), trainers, hotels etc.

Adaptable

For every program we adapt to the needs of the concerned group, choosing partners, timetable, the composition of lessons and the trainers, aimed at acquiring or developing knowledge, skills and competences, which contribute to the formation of an integrated personality, vocational integration and development of the individual, social cohesion and social, economic and cultural development.



Modules

Day 9	Using Annotations, Symbols, Dimension and Tolerances. Creating Assembly Drawings – Working with tables
Day 10	Using Solidworks sheet metal Tools and creating sheet metal drawings.
Day 11	Creating Weldments and Weldment Drawing
Day 12	Final test -- Evaluation (Questionnaires) – Europass Certifications
Day 13	Cultural activities (Visit to Aquarium)*
Day 14	Cultural activities (Visit to Traditional Cretan Village)*

Course Dates (optional)

* Please note, that cultural activities are not included in the price of the program

