

# Course Description

**Title:** CAD Wars: The last 3D Printer

**Fields of activity:** Indicate the fields of activity

**Examination type:** Project / Practical Work

**Number of ECTS credits issued:** None

**Learning Goals and Objective:** This course aims to provide students with the opportunity to synthesise knowledge from various areas of the three-dimensional printing field.

On the one hand, the course will permit to shed some light about the creation of 3D structures programs such as Solid Edge. On the other hand, once the pieces are already designed, students will also use 3D printing programs which are needed for a correct impression of the set of pieces

At the end of the course, students are expected to have the sufficient knowledge to model and design its own pieces and to use the required programs to fulfill this task.

## Pre-materials

For links:

|                          |   |
|--------------------------|---|
| <b>Name</b>              | <a href="#">How to use Solid Edge</a>   |
| <b>Topic/field</b>       | Introduction of the tool  |
| <b>Short description</b> | In this link you can find the basic information regarding to the program, such as different techniques that Solid Edge can permit us to use or tools that this program has. |

For books/articles:

|                                    |  |
|------------------------------------|--|
| <b>Name</b>                        | <a href="#">Textbook of Engineering Drawing</a>  |
| <b>Topic/field</b>                 | Orthographic projections and Computer Aided Design and Drawing                         |
| <b>Chapter/Section (for books)</b> | Chapter 5 - Orthographic projections<br>Chapter 14 - Computer Aided Design and Drawing |
| <b>Short description</b>           | The book provides information about Technical Drawing                                  |
| <b>Professor/Author</b>            | K. Venkata Reddy   |