

## Faculty of Applied Sciences



### MECA2493 Seminar on welding technology and its industrial applications.

[75h] 7 credits

This course is taught in the 1st and 2nd semester

**Teacher(s):** Bruno de Meester de Betzenbroeck  
**Language:** French  
**Level:** Second cycle

#### **Aims**

To give real example of application of welding in the industry through lectures, seminars and visits of workshops.

#### **Main themes**

The content may vary from year to year according to the opportunities and the fields of students' interest.

#### **Content and teaching methods**

In a first part, some prerequisites relatives to the steels metallurgy and its recent developments are introduced. Among the other themes usually treated, one will mention in particular : the welding of stainless steels, the welding of Aluminium and its alloys, the application of fracture mechanics to welded structures, electron beam welding, # Visits of filler materials producer, welding equipments manufacturers, welding workshops, #

**Other information (prerequisite, evaluation (assessment methods), course materials recommended readings, ...)**

None.