

## **Course Descriptions CiE**

**Course code:**

**Course title :** Sustainable Product Engineering

**Hours per week:** 4h/w

**Number of ECTS Credits allocated:** 4 cr.

**Semester:** from <sup>3rd</sup> semester

### **Course contents:**

1. Term sustainable
  2. Methodical Design of products
  3. Selection of materials
  4. Strength and stress
  5. Environmental protection
  6. Quality control
  7. Life cycle Engineering
- Laboratory: Applied examples, demonstrations and exercises

**Prerequisites:** Basic knowledge

**Objective of the course/learning outcome:** How to develop a product, cycle of technology, strategies of engineering, examples, environmental

**Recommended Reading:** Technical drawing, Engineering handbook

**Teaching methods:** Seminar- style, lectures with built- in practicals

**Assessment methods:** Examination (certificate), written, 90 min. (grade assessment)

**Language of instruction:** English

**Name of lecturer:** Prof. Dr.- Ing. Wolfram Heller

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**Link:**