

Engineering methods

Project : Materials engineers profession

IDENTIFICATION

CODE : SGM-3-S2-PCOMIM
ECTS : 2.0

HOURS

Lectures :	0.0 h
Seminars :	25.0 h
Laboratory :	0.0 h
Project :	0.0 h
Teacher-student contact :	25.0 h
Personal work :	30.0 h
Total :	55.0 h

ASSESSMENT METHOD

Written report similar to a technical article, for the group. Oral presentation

TEACHING AIDS

TEACHING LANGUAGE

French

CONTACT

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AIMS

initiation to management, contacts with different firms, familiarization to the engineer profession.

The aim is to lead the students think about the different tasks and roles of engineers having a background in material sciences. They should try to answer question such as : where is the maximum demand, what additional training they could need, how is the competition with engineers having different basic training like physics, mechanics, chemistry, etc.

CONTENT

Each domain like « transportation » or « sport equipment » corresponds to a large number of steps or actors for a given object, as for instance, designing, rough materials providers, compounding, distribution and selling etc.

The work must be done by a group of 6 or 7 students (with a total of 12 groups). They have to organise by themselves, their time schedule and their contact between each others and their professors, and the most efficient method to obtain information from the company they have previously selected.