

PROJECT_S6 Spring Semester Undergraduate/Junior	Management & project	6 credits Project: 50% Oral defense: 16,7% Final exam (2h): 33,3%
<p>The aimed competences in Management & project should enable the students to:</p> <ul style="list-style-type: none"> - Implement different stages in the project development, from the expression of needs to realization and validation of a part or a global electronic system. - Manage the development (plan, define, share tasks among the members) - Communicate over the project <p>These competences enable the student to:</p> <ul style="list-style-type: none"> - Reformulate the expression of needs, understand the functional specifications, be able to complete those - Carry out the functional decomposition of a part or the global system - Carry out a Gantt diagram - Use the different knowledge learnt from the modules to search and study the solutions with sensible arguments - Use a simulation tool to estimate or verify the performances - Carry out a design case - Learn conception rules to realize printed circuit using a routing tool - Exploit technical documentation, carry out a validation case - Write a report and prepare an oral defense to report on the work achieved 		
Prerequisite: All previous courses		

DEP_1601	Electronic project	Language   
	Tutorials: 4	Lab work: 44
<p>The project to develop is a measurement or command system using sensors or actuators, a processing unit. A printed circuit is to be done using a routing tool.</p>		

DSH_1601	Management fundamentals	Language  
Lecture: 18	Tutorials: 10	Lab work: 4
<p>This module gives a global vision in operational and strategic management given an organization context and the environment influences (political, economical, social, environmental and legal). The objective is to increase the student awareness of current management stakes in organizations.</p> <p>The students should be able to:</p> <ul style="list-style-type: none"> - Characterize an organization - Distinguish different company strategies, area and business - Appreciate the stakes of the company social responsibility - Give operational solutions from the present situation - Adopt a professional attitude <p>All contents are linked to current practices in the organizations.</p> <ul style="list-style-type: none"> - Managerial logic, entrepreneurship, intrapreneurship - Strategic approach: adaptation, position, strategic intention - Organization's aims, values and performance - Decision, power and governance - Manager functions and process: operational functions (production, marketing, purchases), support functions (finance and accounting, human resources, research & development), transverse functions (information systems strategy) - People management (formal & informal structure, leadership, change management, proximity management) 		