FMS8AB INDUSTRIAL MANAGEMENT PERFORMANCE MONITORING

MONITORING	j					
FMS8AB		ECTS Credits : 3	Semester : S8			
Industrial management and performance mor	nitoring	Duration : 35 hours				
Person(s) in charge :						
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Keywords: Strategy, performance, industrial testimony, economic calculations, investment choices						
Prerequisites: The second part of this course requires general mathematical knowledge, usually acquired previously during the engineering course						
Objective: Bring fundamental notions in the domains of the management and the financial calculation						
Program and contents :						
Educational objectives :						
This course consists of 2 different parts (of respe	actively 15 hours and 20 hours):					
Awareness to the politics of company and	to the link strategy/management/performance					
In what choices of strategy and management car Followed by industrial testimonies (intended to re	n impact on the performance of a company? port criteria and ways of evaluation of the performance within various companie	es, modes of management associated to reach	n the aimed performance).			
2. A teaching centred on the economic calculation	on					
The implementation and success of any project i fundamental elements of economic and financial	s highly dependent on a good knowledge of its economical aspects. This course calculus.	e's goal is to give the engineer-students the ke	eys necessary to a good understanding of the			
Contents - Program						
This course is divided into two distinct parts (resp	pectively 15 and 20 hours each) :					
 To raise awareness over a company's strategy and over the bond between strategy/management performance (in what ways aspects of strategy and management can impact a firm's performance?) Followed by industrial case-studies (aimed at assessing the criteria and means by which performance is measured in different companies and the associated management models used to reach the target productivity) Sessions focused on economic calculation The performance of any company goes through an adapted investment policy. This part of the course that will largely rely on the use of a spreadsheet, will bring the mathematical basics on which economical choices on the question of investment are base. 						
 Arbitration and financial assets ass Binomial tree-based models and o Choice of investments Economic comparison of rival projo Expected yield-risk relation 	utcome evaluation					
Evaluation will be an average of the participation in class, of an oral presentation group-work (management) and of the final examination in economic calculation.						
Abilities :						
Levels	Description and operational verbs					

Know	Notions of strategic analysis and management of organizations, the theories of choice of investment		
Understand	The difficulty of interpretation of the analyzed performance, considering the multiplicity of the parameters having an impact		
Apply	Methodologies		
Analyse	The links between certain decisions of management (of managerial type or investment) and their effects on the performance.		
Summarise			

Assess

Evaluation:						
✓ Written test	✓ Continuous Control	Oral presentation	Project	Written report		