



## **HSE Master Development Program**

**Prof. Raed KOUTA** 





**Teaching** 

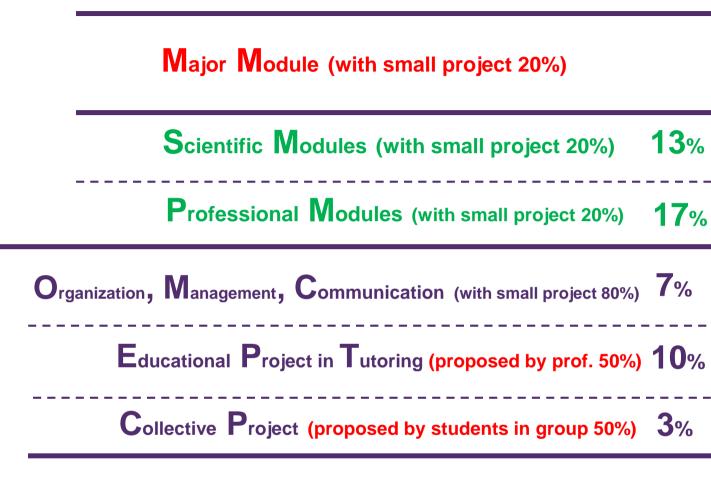
60%

including one seminar during one week with two companies visits by semester

40%

**Project** 





Internship in company (600 h= 17 Weeks= 1 semester)



20%

**30**%

**30**%



Risks, Safety, Dangers and Hazard Management. (cyndinics)			6 cr
Basic science lessons			6 cr
Project and quality  Management  6 cr.		Project Management	2 cr
	$\prec$	Quality management	2 cr.
		Functional Analysis and Value Analysis	2 cr
Numerical and Statistical methods in HSE 6 cr.		Data and knowledge Management	2 cr
		Advanced numerical optimization methods	2 cr
		_Applied Computing and Multimedia	2 cr.
Environmental Management, Wastewater Prevention and Treatment 6 cr.		Environmental Risk Management	2 cr.
	$\prec$	Integrated Management Systems, Standard, Certification, QHSE Audits	2 cr.
		Residual materials management	2 cr.
Research Methodology and	Acade	mic Writing	2 cr.
		Seminar 1 + 2 visits	







For details, see HSE PROGRAM SYLLABUS

Dependability of products, systems and processes  Labor Law, Environmental Law, Security and Business  Environmental impact assessment					
			Environmental Impact & Sustainable Development 6 cr.	Sustainable development	2 cr.
				Ecotoxicological risk analysis	2 cr.
Physical chemistry in environmental management	2 cr.				
	Financial Management, Investment and Economic Intelligence	2 cr.			
HSE Entrepreneurship	Management of an international project	2 cr.			
8 cr.	Business creation in the HSE domain	2 cr.			
	Economics and finance in HSE	2 cr.			







Seminar 2 + 2 visits



## **Academic Writing**

**Professional pre-insertion** 









6 cr.