

Agenda 2025

9

Week	day	content		
1	19.2.2025	Course introduction, organization and objectives	Mechanisms and components - I- Springs and elasticity	
2	26.2.2025	Mechanisms and components - II- Trajectory, eigenfrequency and precision		Project distribution Forming groups
3	5.3.2025	Introduction to Finite Elements - Vibration assessment of a Swiss turning machine. (Prof M. Thurneyse - HEPIA)	Session 1- Robotics project	
4	12.3.2025	Mechanisms and components - III.1- transmissions + Use case implementation		Robotics project
5	19.3.2025	Mechanisms and components - III.2- transmissions + Use case implementation		Robotics project
6	26.3.2025	Mechanisms and components - IV- Guides		Robotics project
7	2.4.2025	Actuation and transmission in industrial applications Max Erik (Maxon)	Robotics project	
8	9.4.2025	Cobotics : Collaborative robotics	Mid term - presentations	
9	16.4.2025	Robotics project		
	23.4.2025	Holidays		
10	30.4.2025	Microassembly : concepts, requirements, and techniques		
11	7.5.2025	Mechanisms and solutions for mdeical rehabilitation		Robotics project
12	14.5.2025	Robotics project		
13	21.5.2025	Robotics project		
15	28.5.2025	Robotics project - <u>Final oral presentations</u>		