

Mechanical Engineering 2

SCHOOL Polytech Graduate School of Engineering	CAMPUS Belle-Beille	Engineering 3rd year
	, OPEN TO EXCHANGE STUDENTS	
	Ves	Spring (S2)
 > Degree course: Quality, Innovation > Teaching unit: Engineering Science > Course language: English > Duration (hours): 32 > ECTS: 1 > Teacher(s): Mohamed Ibrahim 	, , ,	
> Assessment: >	Teaching methods:	
X Continuous assessment	X Lecture course 4 hours	Case study
Final exam	Tutorial course hours	Project
	X Practical work 28 hours	

COURSE DESCRIPTION

Study of the degree of static indeterminacy of a mechanical system Study and design of rotary guide elements

Study and design of power transmission: - Energy principles and efficiency

- Kinematic simulation
- Digital model

OBJECTIVES

- Students will know how to:
- calculate the degree of static indeterminacy of a mechanism
- choose component adapted to solicitations

PREREQUISITES

Mechanical Engineering 1

SELECTIVE BIBLIOGRAPHY

« Système mécanique : Théorie et dimensionnement », M. Aublin et co , Edition DUNOD « Guide des sciences et technologies industrielles » , JL. Fanchon, Site WEB : http://www.aae.ens-cachan.fr/ Tutoriels Solidworks, disponibles à partir du logiciel

Non-binding information. Latest update

12/04/2023