

# **Mechanical Engineering 2**

SCHOOL Polytech Graduate School of Engineering	CAMPUS Belle-Beille	Engineering 3rd year
	, OPEN TO EXCHANGE STUDENTS	
	Ves	Spring (S2)
<ul> <li>&gt; Degree course: Quality, Innovation</li> <li>&gt; Teaching unit: Engineering Science</li> <li>&gt; Course language: English</li> <li>&gt; Duration (hours): 32</li> <li>&gt; ECTS: 1</li> <li>&gt; Teacher(s): Mohamed Ibrahim</li> </ul>	, , ,	
> 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