

SYLLABUS

Name of course: TD Commande des systèmes linéaires CSL

Domain: **Science and Technology** Field: **Automatique**

Speciality: **Automatique**

Semester: **5** Academic Year: **2025-2026**

Title : TD Commande des systèmes linéaires

Course Unit: Methodology Unit 3.1.1

Number of Credits: 4 Coefficient: 2

- Courses (number of hours per week) : 1h30
- TD (number of hours per week) : 1h30
- TP (number of hours per week) : 1h30

Responsible of the course

Name, First name, Rank: **Dr. Mohamed Ilyas RAHAL , MCB**

Office Location (Block, Office): **Department of Electronics, Office 18**

E-mail : dr.ilyas.rahal@gmail.com

Schedule and location of courses:

➤ **Wednesday: 11h30-13h00–H13 G 1**

14h00-15h30 –H13 G 2

Description of the course

- **Requirements :** Course on the control of linear systems
- **General objective of the course:**
- Consolidate the knowledge acquired during the corresponding theoretical course through practical work
- **Learning objectives:**
- Continuous systems, study of systems in the frequency domain and in state space

Course Content

Chapter 1. Controller Calculation in the Frequency Domain

Chapter 2. State-Space Representation of Systems

Chapter 3. System Analysis in State-Space

Chapter 4. State Feedback Control

Chapter 5. Synthesis of State Observers

Nature of the control	Weighting in %			
TD	40%			
	Micro-interrogation (two)	Participation and group work	Attendance	Homework
	10 (points)	2.5 (points)	2.5 (points)	5(points)

Bibliographic references

Textbook (Référence principale) :		
Book title	Author	Publisher and year of publication
Commande des systèmes linéaires	Philippe de Larminat	Hermès Lavoisier, 1996.
Asservissement linéaire échantillonnés et représentation d'état	Hubert Egon	Méthodes, 2001
Les références de soutien si elles existent :		
Titre de l'ouvrage (1)	Auteur	Éditeur et année d'édition
Automatique	Yves Granjan	Dunod, paris, 2001



N°	Student's First and Last Name	Signature
	ZEKRI SALAH	
	Hazouli Mohammed Amine	
	Djoudi Mustafa	
	Kerrouy Achel	
	Bouhader Ben	
	Yahyaoui Med Mamatz	
	Koum Ramly	
	Laculi Taki Eddine	
	Bouledroua Ala	
	ouissa Wada	
	Nouli Lamine	
	Zouli Djoumana Soudi	
	Zaali Soundous	
	Cherait Serine Bayen	
	Boussetoun Boka Eddine	
	Boukhroufa Med Fochdi	
	Zakheche Luteh Ziad	
	DJEBBAR Abderrahmane	
	Bouacene Nouhane	
	DJABBA Hlyes	
	Kermadi Amrissa	
	BENSAKER Anis	
	Bendjouis Med Amine	
	Nechrah A'ouf	
	Djafer Ahmed Ayman	
	Kanider Mohamed Yazid	
	DAB OAHM	
	Brahimi Yissine	
	Heraghi M. Anis	
	Djeflaoui Mohamed Amine	
	RAHMANI Rami	

Bouender Mohammed	Abouder
Kouider Mohamed Yazid	Y
Abdeslam Youcef	4
Amamnia Yakin	Y
Cherzfi Monad	Y
M. Hachem Achref	4
Belabed Tahar	B
Arabi Abir	A
BOUDJELAYA	B
Selmaoui Roumaysa	S
Djaballah Narimane	N
Chent Syoum	S