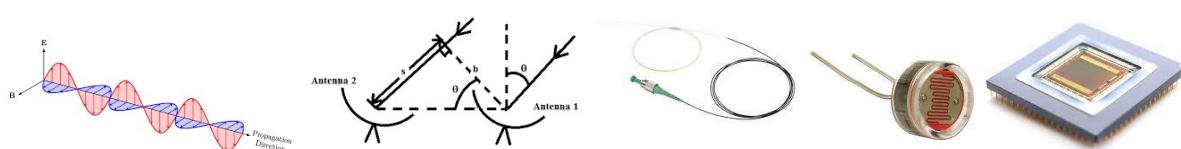


TAF OPE – UE A PCPO

Sensors' physics and wave propagation

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Timetable

Date	Start	End	Type		Title
			Lecture		Intro, présentation des parcours, lancement des choix D et E
16/09/2025	14:00	15:15	Lecture	Introduction	Canaux physique de propagation - Introduction
16/09/2025	15:30	16:45	Lecture	Wave Propagation	Physical Properties of the transmission medium
16/09/2025	17:00	18:15	Tutorials		Physical Properties of Transmission Media
23/09/2025	15:30	16:45	Lecture	Interferometry	Image acquisition in the frequency domain; Aperture synthesis
30/09/2025	08:00	09:15	Tutorials		Spatial frequencies
30/09/2025	09:30	10:45	Tutorials		
08/10/2025	15:30	16:45	Lecture	Fiber optics as optical canal	Guided optical canal
08/10/2025	17:00	18:15	Tutorials		Bragg grating as a temperature sensor
21/10/2025	14:00	15:15	Lecture		Capteurs à fibre optique
08/10/2025	08:00	09:15	Lecture	Optical sensors & others	Cours capteur Matriciel
15/10/2025	09:30	10:45	Lecture	Sources and Optical sensors	Guided optical channel :physical interfaces
22/10/2025	08:00	09:15	Tutorials		Quantum limit of photodetection
04/11/2025	14:00	15:15	Lecture	Optical sensors & others	More on optical sensors & 1D sensors
25/11/2025	14:00	15:15	Lecture	LIDAR	LIDAR
25/11/2025	15:30	16:45	Tutorials		
				Practicals	
17/12/2025	09:00	10:15	Exam		

Organisation for labworks

Students work in group of three (**always the same one**) during Optics Lab works and in pairs during digital electronic practicals.

		02-déc 14h-16h45	03-déc 9h30-12h15	09-déc 8h-10h45	09-déc 14h-16h45	10-déc 8h-10h45	10-déc 14h00-16h30	10-déc 8h-10h45	16-déc 14h00-16h30
Gr1	T1	CCD	Tr Perso	PTD	Elec Num	Interf	Elec Num	TP fibre	Elec Num
	T2	CCD	Tr Perso	PTD	Elec Num	Interf	Elec Num	TP fibre	Elec Num
	T3	PTD	Tr Perso	Interf	Elec Num	TP fibre	Elec Num	CCD	Elec Num
	T4	PTD	Tr Perso	Interf	Elec Num	TP fibre	Elec Num	CCD	Elec Num
	T5	Interf	Tr Perso	TP fibre	Elec Num	CCD	Elec Num	PTD	Elec Num
	T6	Interf	Tr Perso	TP fibre	Elec Num	CCD	Elec Num	PTD	Elec Num
	T7	TP fibre	Tr Perso	CCD	Elec Num	PTD	Elec Num	Interf	Elec Num
	T8	TP fibre	Tr Perso	CCD	Elec Num	PTD	Elec Num	Interf	Elec Num
Gr2	T9	Tr Perso	CCD	Elec Num	PTD	Elec Num	Interf	Elec Num	TP fibre
	T10	Tr Perso	CCD	Elec Num	PTD	Elec Num	Interf	Elec Num	TP fibre
	T11	Tr Perso	PTD	Elec Num	Interf	Elec Num	TP fibre	Elec Num	CCD
	T12	Tr Perso	PTD	Elec Num	Interf	Elec Num	TP fibre	Elec Num	CCD
	T13	Tr Perso	Interf	Elec Num	TP fibre	Elec Num	CCD	Elec Num	PTD
	T14	Tr Perso	Interf	Elec Num	TP fibre	Elec Num	CCD	Elec Num	PTD
	T15	Tr Perso	TP fibre	Elec Num	CCD	Elec Num	PTD	Elec Num	Interf
	T16	Tr Perso	TP fibre	Elec Num	CCD	Elec Num	PTD	Elec Num	Interf