

Semiconductor Physics and Optoelectronic Devices

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Calendar

Morning session			Afternoon session	
Date	Responsible (Schedule)	Unit	Responsible/ (Schedule)	Unit
Tuesday 27/05			F. Gámiz (16:00-20:00)	Introduction to Semiconductors
Wednesday 28/05			F. Gámiz (16:00-20:00)	Statistics. Drift & Difussion phenomena
Thursday 29/05			F. Gámiz (16:00-20:00)	Interband Phenomena. Generation & Recombination. Transport & Continuity equations

Calendar

Morning session			Afternoon session	
Date	Responsible (Schedule)	Unit	Responsible/ (Schedule)	Unit
Friday 30/05	L. Donetti (9:30-13:00)	PN Junction		
Monday 2/06			L. Donetti (16:00-17:00)	Heterojunctions
			L. Donetti (17:00-19:30)	Diodes and applications
Tuesday 3/06	L. Donetti (9:30-13:00)	LEDs and photodiodes	C. Medina-Bailón (16:30-19:00)	Lab session 1: Diodes - Applications

Calendar

Morning session			Afternoon session	
Date	Responsible (Schedule)	Unit	Responsible/ (Schedule)	Unit
Wednesday 4/06	L. Donetti (11:00-13:00)	Metal Semiconductor Junction. Ohmic and Schottky contacts	C. Medina-Bailón (16:00-19:00)	Lab session 2: Diodes - IV Characteristics
Thursday 5/06	C. Medina-Bailón (9:30-13:30)	MOS structure. Static and Dynamic MOSFET characteristics	C. Medina-Bailón (16:00-19:00)	Lab session 3: MOSFETs – Measurement of the Static Characteristics