1 Course Title: INTRODUCTION TO ATOMIC SPECTROSCOPY 2 Course Code: KIM5010 3 Type of Course: Optional 4 Level of Course: Second Cycle 5 Year of Study: 1 6 Semester: 2 7 ECTS Credits Allocated: 6.00 8 Theoretical (hour/week): 0.00 10 Laboratory (hour/week): 0.00 11 Preatice (hour/week): 0.00 12 Language: Turkish 13 Mode of Delivery: Face to face 14 Course Coordinator: Prof. Dr. ELIF TUMAY OZER 14 Course Coordinator: Prof.Dr. Belgin IZGI 15 Course Lecturers: Prof.Dr. Belgin IZGI 16 Contact information of the Course Basic information about atomic spectroscopic techniques, calibration of systems, experimental designs, transferring latest development: 18 Objective of the Course: Basic information about atomic spectroscopic techniques, calibration of systems, experimental designs, transferring latest developments in techniques. <td< th=""><th></th><th>INTRODUCTION</th><th>ΤΟ Α</th><th>TOMIC SPECTROSCOPY</th></td<>		INTRODUCTION	ΤΟ Α	TOMIC SPECTROSCOPY							
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1 Spectroscopy and spectroscopic measurements	Week	Theoretical	Co								
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interferometers	2	Electromagnetic waves, mirrors, pris	ms,								

3	Dark room structure, laser sources, signalproceses																
4	Signal types	Signal-to-noise ratios, noise sources and types															
5	Introd	Introduction to atomic spectroscopy.															
6	Rotati	Rotation and vibration spectra															
7	Electro	onic	abso	orptior	spec	trum o	f mole	cules									
8	Midter	m +	⊦ repe	tition	of pre	vious t	opics										
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ÖK6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
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