FACULTY OF MEDICINE PHASE III - FALL										
MED313	Instructor: Prof. Dr. Nedret KILIÇ	09.30 - 10.20	10.30 - 11.20	11.30 - 12.20	12.30 - 13.20	13.30 - 14.20	14.30 - 15.20	15.30 - 16.20	16.30 - 17.20	17.30 - 18.20
								Introduction to Proteomics: The	Introduction to Proteomics: The proteome, The tasks in proteomics,	
								1	Challenges in proteomics,	
1	30.09.2021 THURSDAY								Proteomics in relation to other -	
									omics and system biology (Dr.	
									Kılıç) CR:331	
						Some general applications of	Some general applications of	,	3/	
	07.10.2021 THURSDAY					proteomics	proteomics			
						Separation and detection	Separation and detection			
2						technologies-1: Introduction to	technologies-1: Introduction to			
						experimental strategies in	experimental strategies in			
						proteomics, Sample preparation	proteomics, Sample preparation			
						(Dr. Kılıç) CR:331	(Dr. Kılıç) CR:331			
3						Separation and detection	Separation and detection			
						technologies-2: Gel-based	technologies-2: Gel-based			
	14.10.2021 THURSDAY					technologies/2D gels, Gel-based	technologies/2D gels, Gel-based			
						separation, Visualization and	separation, Visualization and			
]					analysis of proteins/peptides in gels (Dr. Kılıç) CR:331	analysis of proteins/peptides in gels (Dr. Kılıç) CR:331			
	 					Separation and detection	Separation and detection			
4]					technologies-3: Gel-free	technologies-3: Gel-free			
	21.10.2021 THURSDAY					separation technologies, HPLC,	separation technologies, HPLC,			
						RPLC, IEC (Dr. Kılıç) CR:331	RPLC, IEC (Dr. Kılıç) CR:331			
						3,	-, - (- 3,		Congression and describe	
									Separation and detection technologies-4: CE, SEC, Optical	
5	26.10.2021 TUESDAY							•	detectors (Dr. Kılıç) CR:331	
									detectors (Dr. Kiliç) CR.55 i	
								Basic principles of mass	Basic principles of mass	
6	3.11.2021 WEDNESDAY							spectrometry for proteomics-1 (Dr.	spectrometry for proteomics-1 (Dr.	
l	3.11.2021 WEDNESDAT							Kılıç) CR:331	Kılıç) CR:331	
						2 : : :				
						Basic principles of mass	Basic principles of mass			
7	11.11.2021 THURSDAY					spectrometry for proteomics-2 (Dr. Kılıç) CR:331	Kılıç) CR:331			
						Kiliç) CR.55 i				
8	18.11.2021 THURSDAY						MIDTERM CR-331			
	25 44 2024 THURSDAY					Mass analyzers and mass	Mass analyzers and mass			
9	25.11.2021 THURSDAY					spectrometers-1 (Dr. Kılıç) CR:331	spectrometers-1 (Dr. Kılıç) CR:331			
						Mass analyzers and mass	Mass analyzers and mass			
10	2.12.2021 THURSDAY					spectrometers-2 (Dr. Kılıç) CR:331	spectrometers-2 (Dr. Kılıç) CR:331			
11	9.12.2021 THURSDAY						Analysis and interpretation of mass			
							spectrometric and proteomic data:			
						Analysis of MS data (Dr. Kılıç)	Analysis of MS data (Dr. Kılıç)			
								Analysis and interpretation of mass		
12	15.12.2021 WEDNESDAY						1 .	spectrometric and proteomic data:		
	13.12.2021 WEDNESDAY							Analysis of MS/MS data (Dr. Kılıç)		
							CR:331	CR:331		
13						Quantification of LC MS and	Quantification of LC MS and			
	23.12.2021 THURSDAY					MS/MS data from complex	MS/MS data from complex			
						samples (Dr. Kılıç) CR:331	samples (Dr. Kılıç) CR:331			
						Bioinformatic approaches for mass	Bioinformatic approaches for mass			
14						spectrometric proteome data	spectrometric proteome data			
						analysis	analysis			
	30.12.2021 THURSDAY					Novel strategies in proteomics:	Novel strategies in proteomics:			
	JULIELEUET THUNSUAT					Imaging mass spectrometry,	Imaging mass spectrometry,			
						Quantitative proteomics for	Quantitative proteomics for			
						biomarker discovery (Dr. Kılıç)	biomarker discovery (Dr. Kılıç)			
						CR:331	CR:331			
15	6.1.2022 THURSDAY					Overview of semester (Dr. Kılıç)	Overview of semester (Dr. Kılıç)			
	13.1.2022 THURSDAY					CR:331	CR:331			
16	13.1.2022 IMUKSDAY			I .		FINAL EXAM	I .			