

# HIGH VOLTAGE TECHNIQUES

<b>1</b>	Course Title:	HIGH VOLTAGE TECHNIQUES
<b>2</b>	Course Code:	EEM4506
<b>3</b>	Type of Course:	Optional
<b>4</b>	Level of Course:	First Cycle
<b>5</b>	Year of Study:	4
<b>6</b>	Semester:	8
<b>7</b>	ECTS Credits Allocated:	4.00
<b>8</b>	Theoretical (hour/week):	3.00
<b>9</b>	Practice (hour/week):	0.00
<b>10</b>	Laboratory (hour/week):	0
<b>11</b>	Prerequisites:	
<b>12</b>	Language:	Turkish
<b>13</b>	Mode of Delivery:	Face to face
<b>14</b>	Course Coordinator:	Öğr. Gör. OKAN SÜLE
<b>15</b>	Course Lecturers:	
<b>16</b>	Contact information of the Course Coordinator:	Öğr. Gör. Dr. Okan SÜLE E-posta: osule@uludag.edu.tr Tel: (224) 294 21 53 Adres: Elektrik-Elektronik Mühendisliği bölümü, No: 519
<b>17</b>	Website:	
<b>18</b>	Objective of the Course:	Introduction to events occurring at high voltages, realization of analysis and design of equipment which operating at high voltage. To teach overvoltage sources and its protections methods
<b>19</b>	Contribution of the Course to Professional Development:	To have extensive knowledge about the strength and charging and discharging phenomena of electrical cables carrying high currents.
<b>20</b>	Learning Outcomes:	
	<b>1</b>	Adequate knowledge about high voltage topics (issues) Skills for modeling and solving engineering problems using theoretical and practical information in these fields
	<b>2</b>	Detection, description formulation and solving skills of problems in the field of high voltage; to this end, selection and application skills of appropriate analyzing and modeling methods
	<b>3</b>	Designing skill, process, equipment or product in the field of high voltage by fulfilling specific requirements in realistic criterions. to this end, application skills of modern designing methods
	<b>4</b>	Development, selection and using skills of modern techniques and equipments for high voltage applications. Ability to use information technologies effectively
	<b>5</b>	Designing experiments, experimentation, data acquisitions, analysis and interpretation of results for examining problems in the field of high voltage
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<b>21</b>	Course Content:	



<b>ÖK4</b>	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0
<b>ÖK5</b>	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0
<b>LO: Learning Objectives    PQ: Program Qualifications</b>																
<b>Contribution Level:</b>	<b>1 very low</b>			<b>2 low</b>			<b>3 Medium</b>			<b>4 High</b>			<b>5 Very High</b>			