

SUBJECT PAGE

OE-KVK ELECTRICAL ENGINEERING BSc ENGLISH LANGUAGE TRAINING BASICS OF NATURAL SCIENCE

SUBJECT NAME: Basics of Sciences	CODE(S): KEXTT5ABNE	HOURS: <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;"></th> <th style="text-align: center;"><u>LECTURE / CONSULTATION</u></th> <th style="text-align: center;"><u>PRACTICE</u></th> <th style="text-align: center;"><u>LABORATORY</u></th> </tr> </thead> <tbody> <tr> <td><i>FULL TIME:</i> Weekly</td> <td style="text-align: center;">0</td> <td style="text-align: center;">3</td> <td style="text-align: center;">0</td> </tr> <tr> <td><i>CORRESPONDENCE:</i> Semester</td> <td></td> <td></td> <td></td> </tr> <tr> <td><i>DISTANT LEARNING:</i> Semester</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>		<u>LECTURE / CONSULTATION</u>	<u>PRACTICE</u>	<u>LABORATORY</u>	<i>FULL TIME:</i> Weekly	0	3	0	<i>CORRESPONDENCE:</i> Semester				<i>DISTANT LEARNING:</i> Semester			
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CREDITS: 4 REQUIREMENTS: Semester mark	PREREQUISITE(S):																	
SUBJECT LEADER: Csikósne Dr. Pap Andrea Edit	POST: Associate professor	FACULTY AND INSTITUTE: Kandó Kálmán Faculty of Electrical Engineering Institute of Microelectronics and Technology																
DESCRIPTION OF THE SUBJECT: <p>Aims Aims of this course are to refresh and organize basic natural science knowledge, furthermore to help to create the engineering way of thinking, improving problem-solving and numerical skills. To achieve these goals different scientific problems will be studied and solved using the high school math and physics knowledge.</p> <p>Topics Classical mechanics (kinematics, dynamics, statics, periodically move) Thermodynamics (main items of thermodynamics and their applications) The ideal gas state change Geometric optics, optics, refraction</p>																		
COMPETENCES: <ul style="list-style-type: none"> - Knowledge of general and specific mathematical, natural and social scientific principles, rules, relations, and procedures as required to pursue activities in the special field of electrical engineering. - Knowledge of the most important theories and correlations of the special field of electrical engineering, including their terminology. - Able to apply calculation and modelling principles and methods related to electric products and product developments. 																		