

## SUBJECT PAGE

### OE-KVK ELECTRICAL ENGINEERING BSc ENGLISH LANGUAGE TRAINING BASICS OF PROFESSIONAL

<b>SUBJECT NAME:</b> Technical documentation	<b>CODE(S):</b> KEXMD2ABNE	<b>HOURS:</b> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;"></th> <th style="width: 15%; text-align: center;"><u>LECTURE / CONSULTATION</u></th> <th style="width: 15%; text-align: center;"><u>PRACTICE</u></th> <th style="width: 15%; text-align: center;"><u>LABORATORY</u></th> </tr> </thead> <tbody> <tr> <td><i>FULL TIME:</i> Weekly</td> <td style="text-align: center;">2</td> <td style="text-align: center;">0</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	2	0	0	<i>CORRESPONDENCE:</i> Semester				<i>DISTANT LEARNING:</i> Semester			
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<b>SUBJECT LEADER:</b> Dr. Lendvay Marianna	<b>POST:</b> Associate professor	<b>FACULTY AND INSTITUTE:</b> Kandó Kálmán Faculty of Electrical Engineering Institute of Microelectronics and Technology																
<b>DESCRIPTION OF THE SUBJECT:</b> Goals of technical documentation: seeing in space (2D, 3D), sketching, reading of drawings, and making of tech. drawings by hand/ CAD. Making: technical drawing and documentation engineering drawing/ drafting, engineering graphics, technical communication, technical documentation, technical design, picture reading (perception) picture interpretation (apperception) Types of drawing: 1. Detail drawing 2. Assembly drawing Documentations: production and control. Projection type: perspective and orthographic. Representation for plane of projection (no axis) simple elements. Drawing description geometry. Makes line types: Wide/ thick / narrow / thin / dashed / chain / dash and dot Makes sections, and cutting planes section in two parallel planes, local section, revolved section. Crossing hatching of materials. Geometric dimensioning and tolerancing Symbol presentations: screws, gear representation. Standard drawing scales: full-size, half full-size, five times full size, etc.																		
<b>COMPETENCES:</b> - Knowledge of the basic facts, limits and limitations of the knowledge and activity system of the special field of electrical engineering. - Able to apply the learning, knowledge acquisition, and data collection methods of the special field.																		
<b>LITERATURE:</b> 1. Giesecke, Mitchell, Spencer, Hill, Dygdon, Novak: Technical drawing. Eleventh edition, Upper Saddle River, NJ 07458 2. Daniel T. Banach, Travis Jones, Alan j. Kalameja: Autodesk Inventor 2011 Essentials Plus, ISBN 9781111135270 3. Sham Tickoo, Purdue Universitas, Calumet: AutoCad 2008: Problem-solving approach, ISBN 9781428311589																		