

## Assessment and subject description

<b>Óbuda University</b>		Kandó Kálmán Faculty of Electrical Engineering			Institute of Microelectronics and Technology	
Subject name and code: <b>Electronics II. laboratory</b>				<b>Credits: 2</b>		
<b>Full-time, autumn semester</b>						
Course: <b>Electrical engineering</b> ( <i>English language course</i> )						
Responsible:	<b>Dr. Turmezei Péter</b>		Teaching staff:	<b>Horváth Márk</b>		
Prerequisites:	Electronics I.					
Contact hours per week:	Lecture: 0	Class discussion.: 0	Lab hours: 2	Tutorial: 0		
Assessment and evaluation:	<b>mid-term grade</b>					
<b>Subject description</b>						
<i>Aims:</i> to obtain understanding and knowledge the design and working of different analog and digital circuits.						
<i>Topics to be covered:</i>						
<b>Topics</b>				<b>Week</b>	<b>Lessons</b>	
Introduction, safety lecture				<b>1.</b>	<b>2</b>	
RLC two-ports				<b>2.</b>	<b>4</b>	
Multivibrators				<b>4.</b>	<b>4</b>	
Tuned analog circuits				<b>6.</b>	<b>4</b>	
Bipolar transistor and FET circuits				<b>8.</b>	<b>4</b>	
Symmetric amplifiers				<b>10.</b>	<b>4</b>	
Linear applications of operational amplifiers				<b>12.</b>	<b>4</b>	
<b>Assessment and evaluation:</b>						
Presence on laboratories is mandatory. Laboratory reports have to be accepted to be eligible for exam in the subject Electronics II.						
<b>Suggested material:</b>						
Tietze, Schenk: Electronic Circuits						