

<b>Name of the subject:</b> <b>Electricity II.</b>	<b>NEPTUN code:</b> KHTVL21AND	<b>Weekly hours: 3</b> 3 lec+ 0gs+ 0 lab	<b>Credit: 3</b> <b>Req:</b> Examination
<b>Subject leader:</b> <b>Dr. Ervin RÁCZ</b>	<b>docent</b>	<b>Prerequisites:</b> KHTVT12AND KMEMA11AND	
<b>Description of the subject:</b>			
<p>Networks with sinusoidal time variation. Network analysis used the law of complex algebra.  Three-phase networks. Analysis for the purpose of synthesis. Nyquist representation chart  Logarithmical representation. Logarithmical units .Bode diagrams- the method due to Bode. Four  terminal networks. Matrix description of four terminal networks. characteristics, Parameter,  symmetry and reciprocity. Operating property. Reflexes. Transmission line. Characteristic  impedance. Periodic flow networks. The Fourier serial examples.  Transient phenomena. The application of Laplace transformation to simple circuits.  Integrating and differential connections. Simple circuits and switch-off phenomenon, is calculated.</p>			
<b>Literature:</b>			
<b>Basic Electricity: Complete Course, Volumes 1-5 in 1 [Paperback]</b>			
<a href="#">Van Valkenburgh</a> (Author), <a href="#">Nooger</a> (Author), <a href="#">Neville</a> (Author)			