

Name of the subject: Instrumentation-automation II.	NEPTUN code: KMXMA2ABNE	Weekly hours: 3 3 lec+0 gs+ 0 lab	Credit: 3 Req: Examination
Subject leader: Dr. Károly Bretz		Prerequisites: KMXMT2ABNE Measurements II.	
Description of the subject:			
Knowledge of construction and handling of most important electrical measuring instruments, interpretation of their technical specification. Knowledge, necessary to select optimal measuring methods and instruments. Measuring non-electrical quantities. Automation of measurements. Measurement and simulation of instruments. Software in measurements. Principle of data acquisition. Task of transducers, requirements and specification. Application fields of electrically measuring non-electrical quantities.			
Literature:			
<p>ALBERT D. HELFRICK-WILLIAM D. COOPER Modern Electronic Instrumentation and Measurement Techniques Prentice-Hall International , Inc ISBN 0-13-593385-4</p> <p>-----</p> <p>LARRY D. Jones- A. FOSTER CHIN Electronic Instruments and Measurements Prentice-Hall Internatinal Editions ISBN 0-13-24885</p> <p>-----</p> <p>Edided by L. Schnell Technology of Electrical Measurements John Wiley & Sons ISBN 0 471 93435 6</p> <p>Remarks:</p>			