

FACULTY:	Institute of Technology and Education
FIELD OF STUDY:	Materials Science and Engineering
COURSE TITLE:	Materials for electronics
LECTURER'S NAME:	dr hab. inż. Witold Gulbiński, Univ. Prof.
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ECTS POINTS FOR THE COURSE:	
ACADEMIC YEAR:	2014/2015
SEMESTER: (W – winter, S – summer)	W
HOURS IN SEMESTER:	15
LEVEL OF THE COURSE: (1 st cycle, 2 nd cycle, 3 rd cycle)	1 st cycle
TEACHING METHOD: (lecture, laboratory, group tutorials, seminar, other-what type?)	Lecture
LANGUAGE OF INSTRUCTION:	English
ASSESSMENT METOD: (written exam, oral exam, class test, written reports, project work, presentation, continuous assessment, other – what type?)	Class test
COURSE CONTENT:	Materials for electronic applications – metals, semiconductors, dielectrics. Silicon technology – single crystal growth techniques. High purity materials – principles of purification methods – Bridgeman method, zone melting, molecular distillation. Thin film technologies for microelectronics – Chemical Vapor Deposition (CVD), Atomic Layer Deposition (ALD) and Physical Vapor Deposition (PVD).
ADDITIONAL INFORMATION:	

Witold Gulbiński, 14.05.2014