Course title:	Application development for Android mobile systems
Course title in Polish:	Budowa aplikacji w systemach mobilnych Android
Course for discipline:	Mechanical Engineering

Semester:	7	**Status of course:**	faculty	**Language:**	english
Academic year:		**Catalog number:**			

Coordinator of course:	Adam Ekielski
Lecturer od course:	Adam Ekielski
Executing unit:	Institute of Mechanical Engineering
Ordering unit:	Doctoral School SGGW
Assumptions, goals and description of the course:	To familiarise students with mobile application design. On completion of the course, students should have the knowledge and skills to create simple applications in the Android system.
Didactic form, number of hours:	10
Teaching methods:	Laboratory
Limit of people in the group:	7

Learning outcomes

KNOWLEDGE - the graduate knows and understands:	**SKILLS - the graduate is able to:**	**COMPETENCES - the graduate is ready to:**
To the extent enabling to revise the existing pradigms in the field/discipline - the world achievments, gathering theoretical background as well as general and selected detailed issues	Carry out critical assessment of the scientific research findings and expert activities and their contribution to the knowledge development in the field/discipline	Critically evaluate the achievments in the field/discipline represented
Major general development trends in the field/discipline		Recognise knowledge in solving cognitive and practical problems characteristic for the area of research (field/discipline) and in an interdisciplinary aspect
		Support the ethos of scientific circles and conduct independent research

The method of verification of learning outcomes:	Exam and pass the final work (application)
Form of documentation of achieved learning outcomes:	Create a working application on different at various levels of complexity.
Elements and weights of the final grade:	Exam -75% and pass the final work (application)- 25 %
Place of the course:	WIP IIM SGGW

Basic and supplementary literature

Carl Smith. “Python for Android: The Scripting Layer (SL4A)”. Online posting. December 5,
2013. Python Central. Lucas Jordan, and Pieter Greyling. Practical Android Projects, Chapter 5: Introducing SL4A:
The Scripting Layer for Android. 2011th Edition. New York: Apress, 2011.

Comments:	

Estimated number of hours of work of the doctoral student necessary to achieve the assumed learning outcomes:	

Leraning outcomes reference to the second degree characteristics of the National Qualification Framework (level 8) covering doctoral competences:

Symbol:	**Learning outcomes:**	**8 level NQF**
SD1_KW01	To the extent enabling to revise the existing pradigms in the field/discipline - the world achievments, gathering theoretical background as well as general and selected detailed issues	P8S_WG
SD1_KW02	Major general development trends in the field/discipline	P8S_WG
SD1_KU05	Carry out critical assessment of the scientific research findings and expert activities and their contribution to the knowledge development in the field/discipline	P8S_UW
SD1_KK01	Critically evaluate the achievments in the field/discipline represented	P8S_KK
SD1_KK03	Recognise knowledge in solving cognitive and practical problems characteristic for the area of research (field/discipline) and in an interdisciplinary aspect	P8S_KK
SD1_KK08	Support the ethos of scientific circles and conduct independent research	P8S_KR