

General data	
Course ID:	L22162
Course name:	Constructions of the road pavements
Department:	Faculty of Civil and Environmental Engineering
Course type:	(in Polish) Przedmioty- BUD-ID stacjonarne II-ego stopnia 1 rok 2 semestr
ECTS	0 OR 5.00 (depends on study program)
Language:	(unknown)
Classes in period Winter Semester 2011/12	
Time span:	2
Coordinator:	Andrzej Plewa
Group instructors:	Andrzej Plewa
Type, requirements, objectives and goals of course	
Course type: Compulsory	
Prerequisites: Road construction. Pavement road technology.	
Assessment: Written exam	
Aims and objectives: To acquaint students with the scope of the calculation of road pavements and the durability of road pavement design issues and their reinforcements.	
Teaching methods: Lectures, design activities	
Course content	
Course content:	
Lectures:	
Kind, elements and tasks of road-constructions. Theoretical models. Analytic-empirical (mechanical) methods of design new and reinforcement existing favorable and half-stiff constructions road pavements. Construction road pavement stiff type.	
Design activities:	
Realization project of favorable, half-stiff and stiff road pavements.	
Learning outcomes: Knowledge of methods of designing road pavements and their reinforcements.	
Bibliography	
a) basic references:	
1. Piłat J., Radziszewski P.: Nawierzchnie asfaltowe; WKiŁ, Warszawa 2010.	
2. Rozporządzenie RM TiGM DU nr 43 RP z dnia 14 maja 1999r. Warszawa.	
3. Katalog typowych konstrukcji nawierzchni sztywnych. GDDP, Warszawa 2001.	
4. Katalog wzmocnień i remontów nawierzchni podatnych i półsztywnych. GDDKiA, Warszawa 2001.	
5. Szydło A.: Nawierzchnie drogowe z betonu cementowego. Kraków 2004.	
b) supplementary references:	
1. Ministerstwo Infrastruktury, IBDiM: WT-2 - Nawierzchnie asfaltowe na drogach publicznych. Warszawa 2008.	
2. Lay M.G.: The handbook of road technology, 2009.	