朝陽科技大學 095學年度第2學期教學大綱
Road Way Engineering 道路工程

當期課號	1456	**Course Number**	1456
授課教師	李明君	**Instructor**	LEE,MING GIN
中文課名	道路工程	**Course Name**	Road Way Engineering
開課單位	營建工程系(四日)四A	**Department**	
修習別	選修	**Required/Elective**	Elective
學分數	3	**Credits**	3
課程目標	鋪面工程簡介、鋪面工程材料、剛性路面與柔性路面設計、剛性路面與柔性路面施工管理、剛性路面與柔性路面養護工程、剛性路面與柔性路面劣化成因和修補技術. 另一方面進行瀝青混凝土材料試驗操作簡介或分組實習.	**Objectives**	This course is designed to educate upper-level undergraduate students with basic knowledge regarding in planning, design and construction of road engineering. Main topics include (1) traffic characteristics, (2) traffic survey, plan, and estimate (3) pavement materials, (4) AI flexible pavement design, (5) AASHTO flexible pavement design, (6) AASHTO rigid pavement design, (7) PCA rigid pavement design, (8) pavement construction and recycling, (9) road drainage, and (10) road maintenance and rehabilitation.
教材	國工局鋪面工程訓練教材, 鋪面工程材料與實務 (吳學禮)	**Teaching Materials**	
成績評量方式	homeworks 30% midterm and final exams 60% class performance 10%	**Grading**	homeworks 30% midterm and final exams 60% class performance 10%
教師網頁			
教學內容	鋪面工程簡介、鋪面工程材料、剛性路面與柔性路面設計、剛性路面與柔性路面施工管理、剛性路面與柔性路面養護工程、剛性路面與柔性路面劣化成因和修補技術. 另一方面進行瀝青混凝土材料試驗操作簡介或分組實習工地預拌廠參觀.	**Syllabus**	Topics including road evaluation, traffic characteristics, rigid pavement design, flexible pavement design, pavement materials, soils, and concretes are covered. In addition, pavement recycling, pavement maintenance and rehabilitation are enclosed.(Case History and QC/QA)

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