

Public Transportation

Course Name	Course type (credit/hours)	Required course(3/3)	Course code	E048
	Target students Division/major/grade	Transportation System Engineering/Junior	Opening semester	2018 1ST SEMESTER
	Class time and classroom	Mon 7(Pal211) Mon 8(Pal211) Mon 9(Pal211)	English Grade	A(100%English)
Reference to this course	Prerequisite courses	응용통계, 계량분석론		
	Related basic courses			
	Recommended concurrent courses			
	Related advanced courses			

Instructor	Name (title/division)		Keechoo Choi(Professor, Transportation System Engineering)			
	Office Room Number	팔달관 515호	Office phone Number	2538	e-mail	
	Office hours			Homepage address		
Teaching Assistant	Name (title/division)					
	Office Room Number	팔413	Office phone Number	2541	e-mail	

1. Introduction

2. Course Objectives

대중교통의 전반적인 이해 및 각 교통수단별 기능 파악, 대중교통의 용량 이해, APTS의 이해 및 응용

- understand overall public transit
- understand the function of each transit modes
- understand the capacity of public transit

3. Class types and activities

4. Teaching Method

<input checked="" type="checkbox"/> lecture	<input checked="" type="checkbox"/> discussion and debate
<input checked="" type="checkbox"/> team project(presentation and case studies)	<input type="checkbox"/> experiments(role-playing,etc)
<input type="checkbox"/> designing and production	<input type="checkbox"/> on-site learning(on-site training)
<input type="checkbox"/> others	

5. Support Systems in Use

<input checked="" type="checkbox"/> AjouBb	<input type="checkbox"/> automatic recording system	<input checked="" type="checkbox"/> web-based assignment
<input type="checkbox"/> cyber lecture	<input type="checkbox"/> online content	
<input type="checkbox"/> class behavior analyzing system	<input type="checkbox"/> others	

6. Teaching Tools

<input type="checkbox"/> PBL(Problem Based Learning)	<input type="checkbox"/> CBL(Case Based Learning)	<input type="checkbox"/> TBL(Team Based Learning)
<input type="checkbox"/> UR(Undergraduate Research)	<input type="checkbox"/> FL(Flipped Learning)	<input type="checkbox"/> DSAL(Data Science Active Learning)
<input type="checkbox"/> others		

7. Knowledge and ability required for taking this course

경제성공학 및 O.R. 기법

8. Method of Evaluation

Evaluation Item	The Number of Times	Evaluation Proportion	Remarks
Attendance		10%	
midterm exam		30%	
final exam		30%	
quiz			
presentation			
discussion			
homework		30%	그룹 프로젝트
etc			
study hours			

9. Textbook and supplementary material

Main/Sub	Title (Web-site)	Writer	Publisher	Publication year
Sub	Urban Public Transportation	V.R.Vuchic	Prentice-Hall	
Main	도시교통론	원제무	박영사	

10. Class system and Class shedule

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< Class Schedule >

* language : K-korean, E-English

Weeks	Topics	language	Instructor	Teaching Method	Evaluation Method	Matter to be prepared
1	Introduction		Keechoo Choi	강의		
2	Introduction		Keechoo Choi	강의		
3	Bus		Keechoo Choi	강의		
4	Bus		Keechoo Choi	강의		
5	Bus		Keechoo Choi	강의		

< Class Schedule >

* language : K-korean, E-English

Week s	Topics	lang uag e	Instructor	Teaching Method	Evaluation Method	Matter to be prepared
6	Metro		Keechoo Choi	강의		
7	Metro		Keechoo Choi	강의		
8	Mid-term Exam		Keechoo Choi			
9	Taxi		Keechoo Choi	강의		
10	Taxi		Keechoo Choi	강의		
11	Paratransit		Keechoo Choi	강의		
12	Paratransit		Keechoo Choi	강의		
13	APTS		Keechoo Choi	강의		
14	Capacity Analysis		Keechoo Choi	강의		
15	Capacity Analysis		Keechoo Choi	강의		
16	Final Exam		Keechoo Choi			

11. Other items of notification