

KOREA AEROSPACE UNIVERSITY

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Course Title	Transportation Principles
Your Instructor	Name: Dr. I. Richmond Nettey Home Institution: Associate Dean and Professor of Aeronautics, College of Aeronautics and Engineering, Kent State University, Kent, Ohio, USA. Email: inettey@kent.edu or inettey@hotmail.com
Course Meetings	July 2 – July 17, 2018 Monday-Thursday(14:00~17:30), Friday (14:00~15:40).

Course Overview	A review of the evolutionary development of service transportation, primary modes of transportation, the impact of transportation on urban development, environmental factors, the airport master plan process and transportation system planning, intermodalism, and emerging paradigms in transportation.
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Your Materials	Please provide your course materials by June 20, 2018. The ISP office will make them available to students.
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Evaluation <i>(For example)</i>	Class Quizzes: 20% Midterm Examination: 30% Final Project Presentation: 20% Course Final Examination: 30%
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Grading Scale <i>(Do not change)</i>	Grading Scale		
	Points	Grade	GPA
	95 or Above	A+	4.5
	90 or Above	A0	4.0
	85 or Above	B+	3.5
	80 or Above	B0	3.0
	75 or Above	C+	2.5
	70 or Above	C0	2.0
	65 or Above	D+	1.5
	60 or Above	D	1.0
59 or Below	Fail	0	

Course Calendar

	Dates	Class Hours	Subject
Lecture 1	July 2	14:00~15:40	Orientation
Lecture 2	(Monday)	15:50~17:30	Transportation: An Evolutionary Journey
Lecture 3	July 3	14:00~15:40	<i>(Do not change)</i> Field Trip
Lecture 4	(Tuesday)	15:50~17:30	
Lecture 5	July 4	14:00~15:40	Transportation and Urban Development
Lecture 6	(Wednesday)	15:50~17:30	Societal Impacts of Transportation
Lecture 7	July 5	14:00~15:40	Primary Modes of Transportation I: Air and Aviation
Lecture 8	(Thursday)	15:50~17:30	Primary Modes of Transportation II: Rail and Roads
Lecture 9	July 6 (Friday)	14:00~15:40	Primary Modes of Transportation III: Pipeline
Lecture 10	July 9	14:00~15:40	Primary Modes of Transportation IV: Water
Lecture 11	(Monday)	15:50~17:30	Examination I
Lecture 12	July 10	14:00~15:40	<i>(Do not change)</i> Field Trip
Lecture 13	(Tuesday)	15:50~17:30	
Lecture 14	July 11	14:00~15:40	Transportation Planning and the Master Plan Process
Lecture 15	(Wednesday)	15:50~17:30	Intermodalism: Airports, Seaports, and Transit Hubs
Lecture 16	July 12	14:00~15:40	Transportation & the Environment I: Sustainability
Lecture 17	(Thursday)	15:50~17:30	Transportation & the Environment II: Alternate Fuels
Lecture 18	July 13 (Friday)	14:00~15:40	Environmental Solutions and Renewable Energy
			Emerging Paradigms in Transportation
Lecture 19	July 16	14:00~15:40	Project Presentations I
Lecture 20	(Monday)	15:50~17:30	Project Presentations II
Lecture 21	July 17	14:00~15:40	Final Course Review
Lecture 22	(Tuesday)	15:50~17:30	Final Examination