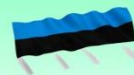




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**Urban Resilience and Adaptation for India and Mongolia:
curricula, capacity, ICT and stakeholder collaboration to support green & blue infrastructure and nature-based solutions
619050-EPP-1-2020-1-DE-EPPKA2-CBHE-JP**

URBAN LOGISTIC

Introduction to the course ENEN301

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National University of Mongolia**

CONTENT

1

- Summary and target audiences

2

- Objective and tasks

3

- General learning outcomes

4

- Grading and assessment

5

- Course schedule - Lecture

6

- Course schedule - Laboratory

7

- Literature

8

- Teaching and learning method - How to attend an E-course?



Urban Environment

Course name: Urban Logistic
 Number of credits: 6 ECTS/3 MCTS
 Period: Fall/Spring semester

Host institution	National University of Mongolia, School of Engineering and Applied Sciences
Lecturer	Battsengel Enkhchimeg
Level	Bachelor course
Course type	Major course
Course duration	16 weeks
New/Revised	Revised
E-course link	https://online.num.edu.mn/dashboard
Language	Mongolia

Target student audiences
 Bachelor students majoring in
 Environmental Engineering

This course covers different approaches to the management and operation of logistics and transportation in cities. At the end of the lecture, students will gain knowledge of transportation engineering which involves the operation, design, planning, and maintenance of transportation systems to help build safe, secure, and livable communities. Moreover, at the end of the course, students will obtain a basic understanding of the side effects of city logistics on the urban economy, environment, and human health. In addition, the course is to compare and analyze the advantages and disadvantages of city logistics in national and international contexts. Finally, students will discuss a solution and their opinions on national issues in logistics based on the lecture materials and self-learning references.

Aims and objectives

The aim of this course is to provide basic knowledge of urban logistics to students and to provide them with the ability to solve issues facing in this sector.

Prerequisites

Required courses (or equivalents):

1. Environmental Studies ENVI200
2. Environmental Engineering ENEN303

Equivalents:

3. Clean energy technology ENEN304

The authentic tasks

In this course, 2 students will work as a team to conduct a case study and environmental calculations in a seminar class, and each team will present a 10-minute presentation at each workshop.

General learning outcomes:

During the course, students can gain general and basic knowledge about urban transport and logistics in the form of lectures, and gain real and practical knowledge by comparing and analyzing logistics optimization and errors in other countries. General skills such as calculations, given research results, researching data, writing reports, comparing and analyzing calculations, expressing one's opinion, working in a team, giving presentations, etc. can be practiced.

Grading

The students' performance will be based on the following:

Progress assessment (40%):

- ~ Attention (20%): students will be attended each class.
- ~ Group work (20%): The students will be divided into groups of 2 students and to work

Assessment

Midterm examination (30%): Test exam

Final examination (30%)

- ~ Group report: The students will be divided into groups of 2 students and choose 1 topic based on lectures.

Evaluation EU system	A (8,5 – 10)	Evaluation MN system	95-100	A	4.0
	B (7,0 – 8,4)		90-94	A-	3.6
	C (5,5 - 6,9)		85-89	B	3.1
	D (4,0 – 5,4)		80-84	B-	2.7
			75-79	C	2.3
			70-74	C-	1.9
			65-69	D	1.4
			60-64	D-	1.0
			0-59	F	0.0

Overview of sessions and teaching methods

The course will make most of interactive and self-reflective methods of teaching and learning and, where possible, avoid standing lectures and presentations. ...

Learning methods	<ul style="list-style-type: none"> ~ Video presentations ~ Interviews, surveys, group work, written articles ~ Project Based Learning ~ Literature review ~ Stakeholder analysis/client consultancy
Course outline	<p>Week 1: Introduction Week 2: Concept of urban logistic Week 3: Concept of urban logistic Week 4: Urban logistics solutions Week 5: Urban logistics solutions Week 6: Assessment of city logistics Week 7: A study of urban logistics</p> <p style="text-align: center;">Progress test</p> <p>Week 8: Problems with transport logistics Week 9: Problems with transport logistics Week 10: The impact of e-commerce on the development of urban logistics Week 11: The impact of e-commerce on the development of urban logistics Week 12: Urban environment and quality of life Week 13: Urban environment and quality of life Week 14: Urban environment and quality of life Week 15: Marketing Logistics Week 16: Marketing Logistics</p>

Week	In-class hours	Topic	Type
1	2	~ Introduction. What is the urban logistic? definitions	Lecture
	2	~ Discuss and to divide the groups; work on the case study; presentation	Seminar
2-3	4	~ Concept of urban logistics system	Lecture
	4	~ work on the case study; presentation	Seminar
4-5	4	~ How to understand, evaluate and improve urban freight and logistics chains using a systems approach	Lecture
	4	~ work on the case study; presentation	Seminar
6	2	~ Urban logistics solutions	Lecture
	2	~ work on the case study; presentation	Seminar
7	2	~ A variety of ways to improve urban freight conditions and how they are implemented	Lecture
	2	~ work on the case study; presentation	Seminar
8-9	4	~ Evaluation of urban logistics ~ Road transport, air transport, water transport, cargo, delivery, etc	Lecture
	4	~ work on the case study; presentation	Seminar
10-11	4	~ A study of urban logistics	Lecture
	4	Work on the case study; presentation	Seminar
12-13	4	~ Transport logistics problems	Lecture
	4	~ Work on the case study; presentation	Seminar
14	2	~ The impact of e-commerce on the development of urban logistics	Lecture
	2	~ Work on the case study; presentation	Seminar
15-16	2	~ Urban environment and quality of life	Lecture
	2	~ Work on the case study; presentation	Seminar

Activities	Learning outcomes	Assessment	Workload (hours)
In-class activities			
Lectures	Definitions, Theories of Urban logistic	Class participation	
Moderated in-class discussions	Understanding various policy and management contexts and common problems in communication in environmental governance	Class participation and preparedness for discussions	
In-class assignments, field assignment	Understanding various policy and management contexts and common problems in communication in environmental governance	Class participation and preparedness for assignments	
Reading and discussion of assigned papers for seminars and preparation for lectures	Familiarity with and ability to critically and creatively discuss key concepts, tools and methods as presented in the literature	Class participation, creative and active contribution to discussion	
Group presentation	Ability to interpret data, to analyze audience, and to use the concepts, tools	Quality of group assignments and individual presentations	
Independent work			
Group work: - Contribution to the group case-study projects - Contribution to the preparation and delivery of individual presentation	Ability to interpret data, to analyze audience, and to use the concepts, tools, and methods for communicating information to all participants	Quality of group assignments and individual presentations	
Course group assignment	In this course, 2 students will work as a team to conduct a case study and environmental calculations in a seminar class, and each team will present a 10-minute presentation at each workshop.	Quality of group assignments and individual presentations	
Group presentation	Ability to interpret data, to analyze audience, and to use the concepts, tools.	Quality of group assignments and individual presentations	
Total			

Literature

Recommended:

1. Б.Батчимэг, (2018) “Логистик ба нийлүүлэлтийн хэлхээний менежемент”, Мөнхийн үсэг ХХК, Улаанбаатар, Хуудас 72, Монгол хэл
2. Meyer, Michael, and Eric Miller. *Urban Transportation Planning*. New York, NY: McGraw-Hill, 2001. ISBN: 9780072423327. The ISBN for the paperback version of the textbook is 9780071200004.
3. François-Joseph Van Audenhove, Sam De Jongh, and Marc Durance. “*Urban Logistics*”, Arthur D. Little, Paris
https://www.adlittle.com/sites/default/files/viewpoints/ADL_Urban_Logistics.pdf
4. Б.Батчимэг, (2020) “Дотоод болон Олон Улсын худалдаанд ашиглагдах ОУХТ-ын дүрэм”, редакторууд Ш.Цэвэлсайхан, Улаанбаатар, хуудас 200, ISBN:978-92-842-0510-3, Монгол хэл



**THNAK YOU VERY MUCH FOR YOUR
ATTENTION**

