

**REVIEW**  
**for syllabus of "Fundamentals of transport planning and management"**  
**by prof. Lech Michalski**

The syllabus which developed by prof Lech Michalski is well-created. This syllabus of lecture provides students with basic knowledge in the field of analytical use fundamentals of transport planning and management. The purpose of this subject is to introduce students to the basic elements of intelligent transportation systems (ITS) focus on technological, systems and practical aspects. The subject should be of interest to students interested in the fundamentals of transportation; performance, control and management of transportation systems.

**The main objectives of this lecture are following:**

This lecture familiarizes students with main goals and components of transportation systems. Regarding the issue of Transport planning and management, students acquire some basic knowledge on organizational structure, methods and procedures used in transport planning and finally on the role of ITS in transport system.

The students should gain the following knowledge and skills:

- to realize transport system components and processes
- to understand transport problems on site level and to define these problems
- to understand the context between transport planning and land-use, social and economic conditions
- to realize transport planning actors, institutions, methods and procedures
- to realize role and activities of transport management
- to set up an analysis and implementation programs
- to realize fields for ITS applications.

**In view of the above, we would like to suggest the following:**

The name of the master program is "ITS for Ground Transport, Logistics, and Automotive", urban, city, and town planning integrates land use planning and transportation planning to improve the built, economic and social environments of communities. Transport planning and management evaluates, assesses, designs and sites transportation facilities.

**Upon completion of course, students will be able to:**

Conduct studies of transport engineering and planning, transport types and functions, urban transport, management of public services, demand, costs logistics, and financing of transport infrastructure and service.

**We advise to add the following books for syllabus:**

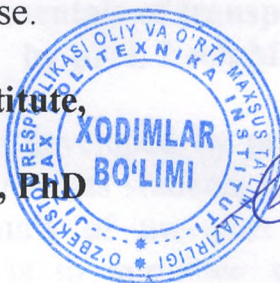
Manheim, M. Fundamentals of Transportation Systems Analysis Voll. Basic Concepts. MIT Press, 1984.

In general, this syllabus which is created by prof. Lech Michalski meets all the requirements for the master's courses and I recommend this syllabus for



the implementation of the "ITS for Ground Transport, Logistics and Automotive" master course.

**Jizzakh Polytechnic Institute,  
Head of department  
"Logistics and service", PhD**



**S.Djiyanbaev**

The main objectives of the course are following:  
The course is designed for students with main goals and components of transportation system. Regarding the issue of Transport planning and management, students acquire some basic knowledge on organizational structure, methods and procedures used in transport planning and finally on the role of ITS in transport system.

The students should gain the following knowledge and skills:  
- to describe transport system components and processes  
- to apply organizational transport planning on site level and to define their objectives

- to understand the content between transport planning and land use, regional development conditions  
- to describe transport planning methods, procedures, methods and processes  
- to apply the above-mentioned knowledge and skills in the management of transport system and to participate in the development of transport planning and management programs  
- to describe fields for ITS applications

In view of the above, it is recommended to suggest the following:  
The objective of the master program is "ITS for Ground Transport, Logistics and Automotive", urban, and rural level planning integrated land use planning and transportation planning to improve the built, economic and social infrastructure of communities. Transport planning and management evaluates, designs, develops and manages transportation facilities.

Upon successful completion of course, students will be able to:  
- Conduct studies in appropriate engineering and planning, transport types and functions, and transport management of public services, demand, costs, logistics, and benefits of transport infrastructure and service

We advise to use the following books for syllabus:  
- Matthews, M. Fundamentals of Transportation Systems Analysis Vol.1, Basic Concepts, MIT Press, 1983.

In general, this syllabus which is created by prof. Lech Michalski meets all the requirements for the master's courses and I recommend this syllabus for