



Меѓународен Универзитет Визион - International Vision University  
 Universiteti Ndërkombëtar Vizion - Uluslararası Vizyon Üniversitesi

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### SYLLABUS

COURSE NAME	COURSECODE	SEMESTER	COURSE LOAD	ECTS
TRAFFIC PLANNING	CIV-3011	6	150	5

<b>Prerequisite(s)</b>	None
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<b>Course Language</b>	Macedonian, Turkish, English
<b>Course Type</b>	Required
<b>Course Level</b>	First Cycle
<b>Course Lecturer</b>	
<b>Course Assistants</b>	
<b>Classroom</b>	
<b>Extra-Curricular Office Hours and Location</b>	<b>Meeting:</b> <b>Consultancy:</b>

<b>Course Objectives</b>	Analysis of traffic flows on urban roads and identification of problems at various types of intersections and development of solution options.
<b>Course Learning Outcomes</b>	<ol style="list-style-type: none"> <li>1- Students learn about the basic components and concepts of road traffic.</li> <li>2- Students acquire engineering knowledge and skills for solving problems related to the design of urban traffic facilities.</li> <li>3- Students acquire engineering knowledge and skills for urban traffic management and solutions to urban traffic problems.</li> <li>4- Students will have information about the vehicles used in the current applications of urban traffic engineering.</li> <li>5- Students become familiar with the principles of sustainable traffic engineering.</li> </ol>
<b>Course Contents</b>	Login; Traffic Flow and Its Elements; Main Relations of Traffic Flow; Statistical Characteristics of Traffic Flow; Traffic Studies and Evaluations; Counting and Observation Methods; Survey and Estimation Methods; intersections; Accident Points; Factors in Junction Design; Junction Types and Capacities; Signaling Methods; Single Junction Signaling; Coordinated Signalized Main Roads; Classification of Signalized Road Networks; Traffic signs

**WEEKLY SUBJECTS AND RELATED PREPARATION STUDIES**

<b>Week</b>	<b>Subjects</b>	<b>Related Preparation</b>
<b>1</b>	Entry, traffic flow and elements	Related Chapters of Course Sources
<b>2</b>	Main correlations of traffic flow	Related Chapters of Course Sources
<b>3</b>	Statistical characteristics of traffic flow	Related Chapters of Course Sources
<b>4</b>	Traffic studies and evaluations	Related Chapters of Course Sources
<b>5</b>	Counting, observation, survey and estimation methods	Related Chapters of Course Sources
<b>6</b>	intersections Junction Types and Capacities	Related Chapters of Course Sources
<b>7</b>	Factors in intersection design	Related Chapters of Course Sources
<b>8</b>	MIDTERM EXAM	Related Chapters of Course Sources
<b>9</b>	Geometric design of intersections	Related Chapters of Course Sources
<b>10</b>	Signaling methods	Related Chapters of Course Sources
<b>11</b>	Single junction signaling	Related Chapters of Course Sources
<b>12</b>	Coordinated signalized main roads, classification of signalized road networks	Related Chapters of Course Sources
<b>13</b>	On-Site Inspection of Traffic Control Systems	Related Chapters of Course Sources
<b>14</b>	Traffic signs	Related Chapters of Course Sources
<b>15</b>	Final Exam	Related Chapters of Course Sources

**ECTS / WORKLOAD TABLE**

Presentation / Seminar			
Hours for off-the-classroom study (Pre-study, practice)	14	3	42
Midterm Exam	1	12	12
Final examination	1	14	14
<b>Total Work Load</b>			
<b>ECTS</b>		<b>7</b>	

**GENERAL PRINCIPLE RELATED WITH COURSE**

Dear students,

In order to be included, learn and achieve full success that you deserve in the courses you need to come well prepared by reading the basic and secondary textbooks. We are expecting from you carefully to obey to the course hours, not to interrupt the lessons unless is very indispensable, to be an active participant on the courses, easily to communicate with the other professor and classmates, and to be interactive by participating to the class discussions. In case of unethical behavior both in courses or on exams, will be acting in framework of the relevant regulations. The attendance of the students will be checked in the beginning, in the middle or at the end of the lessons. Throughout the semester the students who attend to all lectures will be given 15 activity-attendance points in addition to their exam grades.

**SOURCES****COMPULSORY LITERATURE**

No	Name of the book	Author's Name, Publishing House, Publication Year
1	Trafik Ders Notları (yayınlanmamış)	Dr. Mustafa Sinan Yardım, 2010.
2	Trafik Tekniği	Kemal Kutlu, 1993, İstanbul.
3	Trafik Mühendisliği ve Uygulamaları	Argun Tunç, 2003, Ankara.
	Trafik Mühendisliği	Muhittin Özdirim, 1994, Ankara.

**ADDITIONAL LITERATURE**

No	Name of the book	Author's Name, Publishing House, Publication Year
1	Traffic Engineering Handbook	James Pline, ITE
2	Traffic Flow Fundamentals	Adolf D. May
3		

## EVALUATION SYSTEM

<b>Underlying the Assessment Studies</b>	<b>NUMBER</b>	<b>PERCENTAGE OF GRADE</b>
Attendance/Participation	15	%10
Project / Event	1	%20
Mid-Term Exam	1	%35
Final Exam	1	%35
<b>TOTAL</b>	<b>17</b>	<b>%100</b>

## ETHICAL CODE OF THE UNIVERSITY

In case of the students are cheating or attempt to cheat on exams, and in the case of not to reference the sources used in seminar studies, assignments, projects and presentations, in accordance to the legislations of the Ministry of Education and Science of Republic of Macedonia and International Vision University, will be applied the relevant disciplinary rules. International Vision University students are expected never to attempt to this kind of behavior.