**Name of the Course : TPU213/** **The Basics of Road Traffic Safety**

**Medium of the Course :** Turkish

**Aim of the Objective :** Discussion of the Fundamental Principles of Road Traffic Safety along with the Legitimacy and Ethical Dimensions of the Topic, Development of Learners' Research and Communication Skills, and Examination of Policies and Strategies.

**Level of the Course :** Master Degree

**Type/ Content of the Course :** Elective

**Credit of the Course :** 3

**Term / Weekly Hour :** Spring / 3

**Name(s)/Surname(s) of Instructors :** PhD. Kahan İNAL

**Contect Number of Insts. : -**

**Program Coordinator :** Gend.Capt.PhD Begüm ÇARDAK

**Prerequisites : -**

**Teaching Methods :** Lecture Method, Question and Answer Method, Discussion Method, Problem-Solving Method

**Resources :**

* Avrupa Komisyonu (2020), 2021-2030 AB Karayolu Trafik Güvenliği Politika Çerçevesi – “Vizyon Sıfır”a Doğru Atılacak Adımlar, Avrupa Birliği Yayınlar Ofisi, Lüksemburg.
* Cumhurbaşkanlığı Genelgesi 2021/2, Karayolu Trafik Güvenliği Strateji Belgesi (2021-2030) ve Karayolu Trafik Güvenliği Eylem Planı (2021-2023), 3 Şubat 2021 tarihli Resmî Gazete, Sayı: 31384
* J.C.Graziella ve J.M.Meinero (2022), Trafik Denetiminin Daha Güvenli Yollara Sağladığı Katkılar – 42.PIN Raporu, ETSC.
* [M.A.Tekiner,](https://www.seckin.com.tr/yazar/mehmet-ali-tekiner-yazar-958556713) [Z. Bal](https://www.seckin.com.tr/yazar/zeki-bal-yazar-149451247) (2023), Trafik Güvenliği Organizasyonu ve Yönetimi, Yetkin, Ankara.
* [M.A.Tekiner,](https://www.seckin.com.tr/yazar/mehmet-ali-tekiner-yazar-958556713) [Z. Bal](https://www.seckin.com.tr/yazar/zeki-bal-yazar-149451247) (2023), Ulusal ve Uluslararası Trafik Güvenliği Yönetimi, Yetkin, Ankara.
* O.Kavsıracı, Ö.Arslan ve S.Tine (2022), Trafik Güvenliğinde İnsan Faktörü (Rapor), Polis Akademisi Yayınları:154, Rapor No:73, Ankara.
* (der) Ş.Yaprak ve O.Kavsıracı (2020), Karayolu Trafik Güvenliği Yönetimi, Polis Akademisi Yayınları:109, Ankara.
* UNCTAD (2017), Karayolu Trafik Güvenliği – 2030 Sürdürülebilir Kalkınma Gündeminin Desteklenmesine Yönelik Hususlar, Ulaşım ve Ticaretin Kolaylaştırılması Seri No:10, Birleşmiş Milletler Ticaret ve Kalkınma Konferansı BM yayınıdır.
* (ETSC), [European Transport Safety Council - Avrupa Ulaştırma Güvenliği Konseyi](https://etsc.eu/), https://etsc.eu
* (ETSC, November 2022) Position on the Revision of the Cross Border Enforcement Directive 2015/413, [2022-11-14-ETSC-position-CBE-Directive\_2.pdf](https://etsc.eu/wp-content/uploads/2022-11-14-ETSC-position-CBE-Directive_2.pdf) erişim tarihi:15.01.2025.
* Global Plan Decade of Action for Road Safety 2021-2030, [global-plan-for-road-safety.pdf](https://cdn.who.int/media/docs/default-source/documents/health-topics/road-traffic-injuries/global-plan-for-road-safety.pdf?sfvrsn=65cf34c8_35&download=true) erişim tarihi:15.01.2025.
* ITF-International Transport Forum (2023), Road Safety Annual Report 2023, OECD Publishing, Paris - [irtad-road-safety-annual-report-2023.pdf](https://www.itf-oecd.org/sites/default/files/docs/irtad-road-safety-annual-report-2023.pdf) erişim tarihi:15.01.2025.
* ITF (2022), The Safe System Approach in Action, OECD Publishing, Paris. [www.guvenlitrafik.gov.tr/The-Safe-System-Approach-in-Action.pdf](http://www.guvenlitrafik.gov.tr/The-Safe-System-Approach-in-Action.pdf) erişim tarihi: 15.01.2025.
* WHO – World Healt Organization (2023), Global status report on road safety 2023, https://iris.who.int/bitstream/handle/10665/375016/[9789240086517-eng.pdf](https://iris.who.int/bitstream/handle/10665/375016/9789240086517-eng.pdf?sequence=1)?sequence=1
* Karayolları Trafik Kanunu, Kanun Numarası: 2918, Kabul Tarihi: 13.10.1983, Resmî Gazete: Tarih:18.10.1983, Sayı:18195
* Karayolları Trafik Yönetmeliği, Resmî Gazete Tarihi: 18.07.1997 Resmî Gazete Sayısı: 23053 mükerrer

**WEEKLY TOPICS**

|  |  |
| --- | --- |
| **Weeks** | **Units** |
| **1** | Road Traffic Safety |
| **2** | National Road Safety Policies |
| **3** | Road Traffic Act - Traffic Regulation |
| **4** | Activities Related to Traffic Safety |
| **5** | Legal Obligations of Road Users |
| **6** | Road Safety, Driving Rules and Penalties |
| **7** | Road Accidents (Serious Accident) and Their Causes |
| **8** | Midterm |
| **9** | The Relationship Between Traffic Safety and Traffic Control |
| **10** | Human Factor in Traffic Safety and the Safe System Approach |
| **11** | Safety of Road Users: Education and Training |
| **12** | Researches on Road Traffic Safety |
| **13** | Road Traffic Safety and Communication Campaigns |
| **14** | Overall Evaluation |
| **15** | Final Exam |

**EVALUATION SYSTEM**

|  |  |  |
| --- | --- | --- |
| **Semester Studies** | **Number** | **Contribution Margin %** |
| **Attandence** | - | - |
| **Quiz** | 1 | 10 |
| **Midterm** | 1 | 20 |
| **Practice** | - | - |
| **Project** | - | - |
| **Assignment / Presentation** | 2 | 20 |
| **Final** | 1 | 50 |
| **Total** | 2 | 100 |

**ECTS / WORKLOAD TABLE**

|  |  |  |  |
| --- | --- | --- | --- |
| **ACTIVITES** | **NUMBER** | **DURATION**  **(Hour)** | **Total workload (Hour)** |
| **Theoretical Course (+Practice)** | 12 | 3 | 36 |
| **Duration of Out-of-Class Study** | 11 | 4 | 44 |
| **Presentation/Seminar Preparation** |  |  |  |
| **Project** |  |  |  |
| **Assignments** | 2 | 20 | 40 |
| **Quiz** | 1 | 15 | 15 |
| **Midterm**   1. **Exam** 2. **Individual Study For The Exam** | 1 | 20 | 20 |
| **Final**   1. **Exam** 2. **Individual Study For The Exam** | 1 | 20 | 20 |
| **Total workload (hours)** |  |  | 175 |
| **ECTS Credit of The Course (Total workload (hours) / 25)** |  |  | **7** |

**COURSE OUTCOMES**

|  |  |
| --- | --- |
| **No.** | **Explanation** |
| **O1** | Lists the factors affecting road traffic safety. |
| **O2** | Compares national road safety policies with the practices of other countries. |
| **O3** | Explains the requirements of the Road Traffic Act and Regulations. |
| **O4** | Lists activities related to road safety. |
| **O5** | Knows the legal obligations of road users. |
| **O6** | Examines the relationship between road safety, driving rules, and penalties. |
| **O7** | Explains the causes and factors of road traffic accidents. |
| **O8** | Explains the relationship between traffic safety and traffic control. |
| **O9** | Knows the effects of the human element on traffic safety and discusses the Safe System Approach in this context. |
| **O10** | Explains the impact of education and learning on the safety of road users. |
| **O11** | Examines new research areas related to road traffic safety and determines new research interests. |
| **O12** | States the results of communication campaigns related to road traffic safety. |

**PROGRAM QUALIFICATIONS**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | | | | | | | |
| **No.** | **Explanation** | **Contribution Level of the Course** | | | | | |
| **0** | **1** | **2** | **3** | **4** | **5** |
| **P1** | They acquire the ability to effectively use various traffic analysis tools and models to analyze topics such as traffic flow, density, capacity, and safety. |  |  |  |  |  | X |
| **P2** | They gain in-depth knowledge and practical skills in planning and designing different transportation systems (e.g., roadways, railways, public transportation, etc.), enabling the design of infrastructure projects in an efficient, safe, and sustainable manner. |  |  |  |  |  | X |
| **P3** | By understanding government policies, management strategies, and implementation methods in the field of traffic and transportation, they are able to assess the impacts of these policies on society and the environment. |  |  |  |  |  | X |
| **P4** | They acquire the competence to analyze traffic accidents and safety risks, develop necessary measures to minimize these risks, and create feasible safety strategies. |  |  |  |  |  | X |
| **P5** | They gain knowledge in developing sustainable transportation systems, including environmentally friendly transportation solutions, low-carbon emission transportation methods, and the design of green transportation infrastructure. |  |  |  |  |  | X |
| **P6** | They specialize in the methods used for collecting, processing, and analyzing traffic data. These data are used for predicting traffic flow, road safety, and transportation demand. |  |  |  |  |  | X |
| **P7** | They gain in-depth knowledge and skills in the effective planning, management, and integration of public transportation systems. |  |  |  |  |  | X |
| **P8** | They acquire the ability to design, implement, and optimize traffic management and control systems. |  |  |  |  |  | X |

**CONTRIBUTION OF COURSE LEARNING OUTCOMES TO PROGRAM PROFICIENCY**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **All** | **P1** | **P2** | **P3** | **P4** | **P5** | **P6** | **P7** | **P8** |
| **O1** | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| **O2** | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| **O3** | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| **O4** | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| **O5** | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| **O6** | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| **O7** | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| **O8** | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| **O9** | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| **O10** | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| **O11** | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| **O12** | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |

**0- None 1- Very Low 2- Low 3- Moderate 4- High 5- Very High**

**PhD. Kahan İNAL**

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**(Signature)**

**PhD. Begüm ÇARDAK**

**Gend.Capt.**

**Head of Security Management Department**

**Name of the Course : TPU244/Traffic Law and Policies**

**Medium of the Course :** Turkish

**Aim of the Objective :** In this course, it is aimed to emphasize the importance of regulating traffic with the rules of law in ensuring urban order, to examine the principles of traffic management and safety, to analyze the legal principles regarding the compensation of material and moral damages arising from traffic accidents and to analyze the administrative and criminal liability issues related to traffic order within the scope of the relevant legal and administrative regulations, especially the Road Traffic Law No. 2918.

**Level of the Course :** Master Degree

**Type/ Content of the Course :** Traffic rules and sanctions, legislation regulating the rules related to traffic, comparative analysis between Turkish law and legal regulations in other countries, legal, administrative and criminal liability arising from traffic accidents on the axis of judicial decisions constitute the content of this course.

**Credit of the Course : -**

**Term / Weekly Hour :** Spring- 3 hours

**Name(s)/Surname(s) of Instructors : Assoc. Prof. Dr. Melike Özge ÇEBİ BUĞDAYCI**

**Contect Number of Insts. : -**

**Program Coordinator :** Gend.Capt.PhD Begüm ÇARDAK

**Prerequisites : -**

**Teaching Methods :** Lecture, discussion, case studies and judicial decision analysis, homework preparation and presentation

**Resources :** Readings will be assigned for each week's topic from separate and current sources.

**WEEKLY TOPICS**

|  |  |
| --- | --- |
| **Weeks** | **Units** |
| **1** | Opening  Sharing obligations  Conceptual and theoretical framework |
| **2** | Basic Legislation and Administrative Regulations on Traffic Law |
| **3** | Obligations of the Administration in Ensuring Traffic Order |
| **4** | Sanctions in the Maintenance of Traffic Order |
| **5** | The Concept and Types of Responsibility in Ensuring Traffic Safety - General Principles |
| **6** | Legal Liability in Traffic Accidents |
| **7** | Midterm exam |
| **8** | Administrative Responsibility in Traffic Accidents |
| **9** | Criminal Liability in Traffic Accidents |
| **10** | International Legal Regulations in Ensuring Traffic Safety & Comparative Analysis |
| **11** | Evaluation in the Perspective of Judicial Decisions-I |
| **12** | Evaluation in the Perspective of Judicial Decisions-II |
| **13** | Evaluation in the Perspective of Judicial Decisions-III |
| **14** | Evaluation in the Perspective of Judicial Decisions-IV |
| **15** | Final Exam |

**EVALUATION SYSTEM**

|  |  |  |
| --- | --- | --- |
| **Semester Studies** | **Number** | **Contribution Margin %** |
| **Attandence** | 1 | 10 |
| **Quiz** |  | - |
| **Midterm** | 1 | 30 |
| **Practice** |  | - |
| **Project** |  | - |
| **Assignment / Presentation** | 1 | 20 |
| **Final** | 1 | 40 |
| **Total** | 4 | 100 |

**ECTS / WORKLOAD TABLE**

|  |  |  |  |
| --- | --- | --- | --- |
| **ACTIVITES** | **NUMBER** | **DURATION**  **(Hour)** | **Total workload (Hour)** |
| **Theoretical Course (+Practice)** | 15 | 3 | 45 |
| **Duration of Out-of-Class Study** | 10 | 1 | 10 |
| **Presentation/Seminar Preparation** | 15 | 2 | 30 |
| **Project** | - | - | - |
| **Assignments** | 10 | 2 | 20 |
| **Midterm**   1. **Exam** 2. **Individual Study For The Exam** | 15 | 2 | 30 |
| **Final**   1. **Exam** 2. **Individual Study For The Exam** | 20 | 2 | 40 |
| **Total workload (hours)** | 85 | 12 | 175 |
| **ECTS Credit of The Course (Total workload (hours) / 25)** |  |  | **7** |

**COURSE OUTCOMES**

|  |  |
| --- | --- |
| **No.** | **Explanation** |
| **O1** | Gains knowledge of the basic concepts and theoretical framework of traffic law. |
| **O2** | Gains knowledge of the basic legislation and administrative regulations related to traffic law. |
| **O3** | Understands the obligations of the administration in ensuring traffic order. |
| **O4** | Understands administrative sanctions in ensuring traffic order. |
| **O5** | Gains knowledge about the concept and types of responsibility in ensuring traffic safety, explains the legal source of responsibility. |
| **O6** | Gains knowledge about the scope and conditions of legal responsibility in traffic accidents. |
| **O7** | Learns about the scope and conditions of administrative responsibility in traffic accidents. |
| **O8** | Gains knowledge about the scope and conditions of criminal liability in traffic accidents. |
| **O9** | Analyzes comparatively international legal regulations in ensuring traffic safety. |
| **O10** | Analyze their knowledge of traffic law on the axis of judicial decisions. |
| **O11** | Analyze their knowledge of traffic law on the axis of judicial decisions. |
| **O12** | Analyze their knowledge of traffic law on the axis of judicial decisions. |

**PROGRAM QUALIFICATIONS**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | | | | | | | |
| **No.** | **Explanation** | **Contribution Level of the Course** | | | | | |
| **0** | **1** | **2** | **3** | **4** | **5** |
| **P1** | They acquire the ability to effectively use various traffic analysis tools and models to analyze topics such as traffic flow, density, capacity, and safety. |  |  |  |  | x |  |
| **P2** | They gain in-depth knowledge and practical skills in planning and designing different transportation systems (e.g., roadways, railways, public transportation, etc.), enabling the design of infrastructure projects in an efficient, safe, and sustainable manner. |  |  |  | x |  |  |
| **P3** | By understanding government policies, management strategies, and implementation methods in the field of traffic and transportation, they are able to assess the impacts of these policies on society and the environment. |  |  |  |  |  | x |
| **P4** | They acquire the competence to analyze traffic accidents and safety risks, develop necessary measures to minimize these risks, and create feasible safety strategies. |  |  |  |  |  | x |
| **P5** | They gain knowledge in developing sustainable transportation systems, including environmentally friendly transportation solutions, low-carbon emission transportation methods, and the design of green transportation infrastructure. |  |  |  | x |  |  |
| **P6** | They specialize in the methods used for collecting, processing, and analyzing traffic data. These data are used for predicting traffic flow, road safety, and transportation demand. |  |  |  | x |  |  |
| **P7** | They gain in-depth knowledge and skills in the effective planning, management, and integration of public transportation systems. |  |  |  | x |  |  |
| **P8** | They acquire the ability to design, implement, and optimize traffic management and control systems. |  |  |  |  | x |  |

**CONTRIBUTION OF COURSE LEARNING OUTCOMES TO PROGRAM PROFICIENCY**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **All** | **P1** | **P2** | **P3** | **P4** | **P5** | **P6** | **P7** | **P8** |
| **O1** | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| **O2** | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| **O3** | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| **O4** | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| **O5** | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| **O6** | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| **O7** | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| **O8** | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| **O9** | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| **O10** | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| **O11** | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| **O12** | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |

**0- None 1- Very Low 2- Low 3- Moderate 4- High 5- Very High**

**Assoc. Prof. Dr. Melike Özge ÇEBİ BUĞDAYCI**

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**(Signature)**

**PhD. Begüm ÇARDAK**

**Gend.Capt.**

**Head of Security Management Department**