



Република Србија
Агенција за безбедност саобраћаја



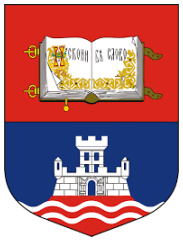
САОБРАЋАЈНИ ФАКУЛТЕТ
УНИВЕРЗИТЕТ У БЕОГРАДУ

A better road safety system based on in-depth analyzes of road accidents in Bosnia and Herzegovina and the Republic of Serbia



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September, 2023. year



University of Belgrade



FACULTY OF TRANSPORT AND TRAFFIC ENGINEERING

**MODULE:
ROAD TRAFFIC SAFETY**

**Department
of Road Traffic Safety and Road Vehicles**

MODULE: ROAD TRAFFIC SAFETY



9 PhDs - road traffic safety

- **Basic academic studies (4 years)**
- **Master of academic studies (1 year)**
- **Doctoral academic studies (3 years)**

- Basics of road traffic safety
- Road traffic safety management
- Road traffic safety strategies
- Marketing in road safety
- Education in road safety
- Investigations of road crashes
- Expertise of road crashes
- Computer analysis of road crashes
- Road infrastructure safety
- Vehicle safety
- Quantitative methods in road traffic safety
- Methods and analyzes in road traffic safety
- Law in road traffic safety
- Traffic psychology
- ...

**ROAD TRAFFIC SAFETY MODULE
- BASIC ACADEMIC STUDIES -**

	Compulsory courses	Elective subjects
4th semester	<ul style="list-style-type: none"> Basics of the theory of traffic flow and capacity Operational research Basics of road traffic safety Motor vehicles Vehicle dynamics 	<ul style="list-style-type: none"> Program packages in mathematics Politics and economics of sustainable transport development Basics of statistical research
5th semester	<ul style="list-style-type: none"> Investigations of road crashes Road safety - methods and analyses Geographic information systems in road traffic Traffic psychology - behavior of road users 	<ul style="list-style-type: none"> Education in road safety Application of marketing in road safety Road safety and sustainable development Vehicle safety in traffic and transport
6th semester	<ul style="list-style-type: none"> Road safety – expertise of road crashes Road safety - strategies and management Basics of traffic regulation and management Traffic planning - non-urban network 	<ul style="list-style-type: none"> Law in road traffic safety Analysis of transport networks Impact of road vehicles on the environment Control and coercion techniques in road safety
7th semester	<ul style="list-style-type: none"> Road traffic safety Basics of public urban passenger transport Control and prevention in the transportation of dangerous goods Traffic planning - city network 	<ul style="list-style-type: none"> Operational and technical properties of motor vehicles Transport, traffic and environment Safety of persons with disabilities in traffic Road safety - damage assessment
8th semester	<ul style="list-style-type: none"> Computer analysis of road crashes Smart technologies in road traffic safety Professional practice Final paper - research paper Final work 	<ul style="list-style-type: none"> Road safety - effectiveness and efficiency Basics of telecommunication systems Planning of public urban passenger transport Traffic and transport insurance





MODULE: ROAD TRAFFIC SAFETY

Professional training - courses and seminars

- children
- teachers at preschools,
- teachers at basic schools,
- engineers,
- lecturers, instructors and examiners in driving schools
- traffic safety inspectors and auditors,
- experts for road crashe expertise,
- judges and prosecutors,
- traffic police,
- traffic managers,
- members of the road traffic safety council,
- local self-government units
- presidents of municipalities
- ...





MODULE: ROAD TRAFFIC SAFETY



- Organization of **conferences** , etc. scientific gatherings
- **Road crashes expertise** for the court and prosecution,
- Preparation of draft **laws and by-laws** in road traffic safety
- Cooperation with the media - **Promotion of road traffic safety**
- Participation in the work **of working groups** , commissions and expert bodies for road traffic safety,
- **Support to state bodies** , public companies and other subjects...



MODULE: ROAD TRAFFIC SAFETY

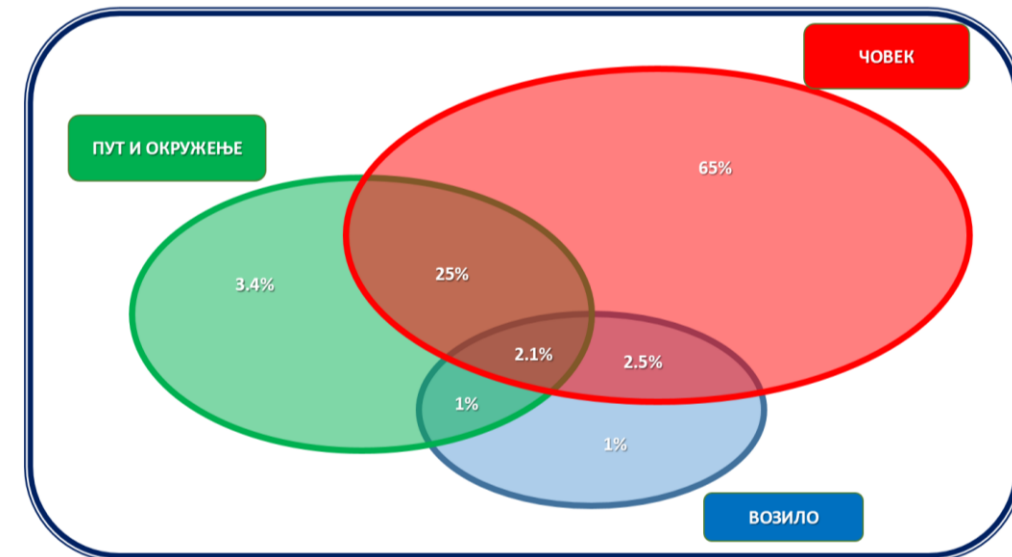


Road traffic safety studies and projects

- Road traffic safety strategies and action plans,
- Road traffic safety analysis,
- Road traffic safety indicators,
- Checks and audits of road safety,
- Tunnel safety,
- Black spot management,
- Road risk mapping,
- Databases on road safety features,
- Road traffic safety campaigns,
- Benchmarking in road safety,
- In-depth studies of road crashes, ...

INDEPENDENT ASSESSMENTS OF THE INFLUENCE OF THE ROAD ON THE OCCURRENCE AND CONSEQUENCES OF TRAFFIC ACCIDENTS - Belgrade, 2016 - 2017

- 91 road crashes with fatalities
- Leaving the scene of the road crashes immediately after the crashes (7/24)
- Collection of (un)official data in the field
- Immediate insight into the traces and consequences of the crashes
- Data of the MoIA
- Vehicle inspection
- Direct conversation with crash participants and witnesses at the scene of the crashes
- Excellent support from the prosecution



INDEPENDENT ASSESSMENTS OF THE INFLUENCE OF ROADS ON THE OCCURRENCE AND CONSEQUENCES OF TRAFFIC ACCIDENTS - JP "Roads of Serbia", 2017-2023

- 2017-2018 year
 - 120 independent road impact assessments
- 2021-2022 year
 - 60 independent road impact assessments
- 2022-2023 year
 - 90 independent road impact assessments
 - Subsequent field trip
 - Data of the MoIA (only for inspection)
 - Rare inspections of vehicles (which are in the MoIA)

ROAD INFLUENCE

AROUND 40%

**MAN
VEHICLE ?**

INDEPENDENT ASSESSMENTS OF THE INFLUENCE OF THE ROAD ON THE OCCURRENCE AND CONSEQUENCES OF TRAFFIC ACCIDENTS -

Belgrade, 2019-2023

- 2019-2020 year
 - 55 independent road impact assessments (44%)
- 2020-2021. year
 - 52 independent road impact assessments (52+12%)
- 2022-2023 year
 - 68 independent road impact assessments (29+6%)

- Subsequent field trip
- Data of the MoIA (only for inspection)
- Rare inspections of vehicles (which are in the MoIA)

ROAD INFLUENCE

MAN
VEHICLE ?



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САОБРАЋАЈНИ ФАКУЛТЕТ
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Questions?



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**Thank you for your
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