

Study program: Road Traffic
Subject name: Professional Practice
Teacher: Vojislav B. Krstić, graduated traffic engineer
Subject status: Compulsory
Number of ECTS: 2
Conditions: None
<p>Objective</p> <p>The professional practice aims to enable students to: connect the acquired knowledge in the School, especially knowledge from already professional subjects with production practice in work organizations, ie performing work in service activities, direct or indirect observation of the functioning of individual subsystems and the whole system of production and services, acquisition practical experiences in an environment where he will partially or completely achieve a professional career.</p>
<p>Expected outcomes</p> <p>Through Professional Practice, students should observe and get acquainted with how and in what way certain tasks are solved in practice at the level of a professional engineer in all subsystems of production or services. Students acquire practical knowledge and gain initial work experience, which will be important for the preparation of the final paper and future employment. The students need to perform appropriate tasks that will participate in solving some of the above duties. Other tasks include observing the appropriate work, analyzing or informing by an authorized person of the work organization, considering and adopting procedures for their solution. Also, students should get acquainted with the basic principles of design, service processes and products.</p>
<p>Content of professional practice</p> <p>1) In case the company or institution is a large system of internal transport: freight and / or passenger terminal, garage or parking lot:</p> <ul style="list-style-type: none"> • running and organizing the company, • procedures for determining the required capacities, • analysis of requests and formation of responses to requests, • flow of goods or passengers in the case of a terminal, • flow of means of transport in the case of a passenger terminal, parking lot or parking garage, • technical and documentary support for the realization of activities, • measures for the implementation of protection of property and persons, • fire protection measures, • environmental protection measures, • measures to expand the existing activity, • ways of determining the appropriate response to requests, • ways of determining the appropriate response to requests, • maintenance of machinery and overhaul of the same, in the case of a freight terminal, • design of unloading and loading procedures, in the case of a freight terminal. <p>(2) In case the activity of the company is driver training:</p> <ul style="list-style-type: none"> • running and organizing the company, • technical and administrative support for the realization of activities, • maintenance of training vehicles, • psychological, sociological and ethical aspects of the candidate's approach, • adjusting the candidate's approach in accordance with his preferences and prior knowledge, • equipping the cabinet for theoretical training with teachers, • keeping documentation on candidates, • improving the knowledge of instructors, • performing knowledge testing, • analysis of the success of candidate training and application of this knowledge in order to improve further work.

(3) In case that the activity of the company is the supervision and management of traffic safety:

- running and organizing the company,
- technical and administrative support for the realization of activities,
- maintenance of vehicles and other necessary machinery,
- use of equipment,
- determination of representative locations and time of day and year for performing supervision,
- adoption of positions based on the established factual and processed situation,
- analyzes and investigations of traffic accidents,
- expertise of traffic accidents,
- development of traffic safety campaigns,
- psychological aspects of the approach to supervision,
- prevention in traffic safety,
- acquainting students with penal policy and the results of the application of penal policy,
- Improving work results.

4) In case the activity of the company is passenger transport:

- running and organizing the company,
- technical and administrative support for the realization of activities,
- ways of determining the adequate response to requests and its realization,
- maintenance of vehicles and other necessary machinery,
- determining the hourly flow of passengers on individual lines as well as the legality of changing it,
- vehicle servicing and procurement of spare parts,
- adapting the line to gravity areas and the needs of passengers,
- business improvement and measures to maintain liquid business.

(5) In case the activity of the company is the transport of goods:

- running and organizing the company,
- technical and administrative support for the realization of activities,
- environmental protection measures,
- information support to business,
- ways of determining the adequate response to requests and its realization,
- maintenance of vehicles and other necessary machinery,
- forwarding operations and documentation required to approach the realization of the transport of goods as well as documentation that accompanies the goods during transport,
- tasks of monitoring the exploitation of vehicles and adjusting the means to the road infrastructure and transported units,
- work with team members and measures to ensure safety and health at work of employees,
- communication with transport applicants.

(6) In case the activity of the company is servicing and checking the correctness of technical means:

- running and organizing the company,
- technical and administrative support for the realization of activities,
- environmental protection measures,
- ways of determining the adequate response to requests and its realization,
- maintenance and servicing of vehicles and other necessary machinery,
- fire protection measures,
- storage of spare parts, equipment and tools,
- maintenance of the service facility,
- analysis of the need to expand or reduce the capacity of the facility,
- computer support,
- vehicle documentation,
- equipment for checking the correctness and diagnostics of failures,

- assessment of malfunction and / or damage caused,
- establishing the need to procure spare parts and tools.

(7) In the event that the activity of the company is within the framework of material production, where the transport of materials is a support to that basic activity:

- running and organizing the company,
- technical and administrative support for the realization of the basic activity,
- environmental protection measures,
- information support to business,
- ways of determining the adequate response to business requests and its implementation,
- maintenance and servicing of the machine park and means of internal transport,
- mathematical and computer models that adapt the type, geometry and operational characteristics of inland transport vehicles to the type, type, volume of production and estimated condition,
- material flow analysis,
- measures of protection at work and safety of persons, equipment and facilities,
- adjusting the means of internal transport to the expansion of the company's capacity.

Number of classes	90
Teaching methods	
Mentoring, interactive, practical, demonstrative.	
Knowledge assessment (maximum number of points 100)	
Regular attendance and active participation in work: 10 points.	
Professional practice diary (engineering project assignment): 60 points.	
Defense of the Professional Practice Diary: 30 points.	