**Course description**

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| **Generic information** |
| Head of Course | **Full Professor Tanja Poletan Jugović, Ph.D.** |
| Course | **Trade routes** |
| Study Programme | Technology and Organization of Transport |
| Type of Course | Compulsory |
| Year of Study | 1 |  |
| Estimated Student Workload and Methods of Instruction | ECTS coefficient of Student Workload | 5 |
| Number of Hours (L+E+S) | 30+15+0 |

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| **1. GENERAL COURSE DESCRIPTION** |
| *1.1. Course Objectives*  |
| The main objectives of the course are to acquire knowledge of the basic elements, principles and geo-transport, socio-economic and logistical factors for formation and distribution of the trade routes; analysis of relevant indicators for the formation of trade routes in the world, with an emphasis on the maritime and the land transport, and gaining knowledge of the basic assumptions for attracting the trade routes and valorizing traffic routes in the transport services market. |
| *1.2. Prerequisites for Course Registration*  |
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| *1.3. Expected Learning Outcomes*  |
| After passing the exam, students will be able to do the following:1. Properly define basic elements, legality and particularities for the formation of the trade routes.
2. Differentiate types of the trade routes according to different criteria.
3. Describe and interpret the geo-traffic, socio-economic and other logistical factors for the scheduling and consolidation of the trade routes.
4. Explain the general and specific characteristics of the state of development of contemporary traffic at world, regional and national level.
5. To substantiate the significance of the components for the valorisation and competitiveness of the transport routes (corridors) in the transport services market.
6. Analyze and interpret the intensity, dynamics and directions (international, national) of the trade routes with an emphasis on the maritime routes and the corridors as well as the other types of the transport routes (land, river and air corridors).
7. Compare the intensity, dynamics and structure of the trade routes according to the transport modes, types of goods and directions of movement (at world, regional and national levels).
8. Analyze and demonstrate the conditionality for the formation of the trade routes on major maritime routes, land corridors and reference terminals (port, land….)
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| *1.4. Course Outline*  |
| Relevant theoretical elements and determinants of the formation and distribution of trade routes. Geo-transport factors for the formation and distribution of the trade routes. Socio-economic factors for the formation and distribution of the trade routes. Other assumptions and criteria for the formation and distribution of the trade routes. The state and general characteristics of the trade routes in the world. International trade routes in the maritime transport. International trade routes in the land transport. International trade routes in the inland waterways transport. International trade routes in the air transport. |
| *1.5. Modes of* *Instruction*  | [x] Lectures[ ]  Seminars and workshops [x]  Exercises [ ]  E-learning[ ]  Field work | [x]  Practical work [ ]  Multimedia and Network [ ]  Laboratory[ ]  Mentorship[ ]  Other \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| *1.6. Comments*  |       |
| *1.7. Student Obligations*  |
| Seminar paper, seminar presentation, 1st colloquium, 2nd colloquium, the final exam. |
| *1.8. Assessment1 of Learning Outcomes*  |
| Course attendance | 1,5 | Class participation |     | Seminar paper | 1 | Experiment |     |
| Written exam | 1 | Oral exam |     | Essay |     | Research |     |
| Project |     | Continuous Assessment | 1,5 | Presentation |     | Practical work |  |
| Portfolio |     |  |     |  |     |  |     |
| *1.9. Assessment of Learning Outcomes and Examples of Evaluation during Classes and on the Final Exam*  |
| The procedure for evaluation of the acquired learning outcomes is carried out according to the Regulations on Studies of the University of Rijeka and the Regulations on Studies at the Faculty of Maritime Studies in Rijeka as follows:* 70% of the acquired learning outcomes within the 1st colloquium (25%), the 2nd colloquium (25%) and through the presentation of a research assignment - seminars (20%) are evaluated through continuous assessment during the class; the student must achieve at least 50% of points in each colloquium, and the presentation of the research assignment is evaluated on the basis of elaborated evaluation criteria;
* at the final exam 30% of the obtained learning outcomes are evaluated whereby the student must pass at least 50% of the points for passing the final exam.

 Examples of evaluating learning outcomes in relation to the learning outcomes are:1. Define the basic elements of the formation of maritime trade routes.
2. Classify the trade routes according to the criterion of territorial coverage and orientation of the trade routes.
3. State the geo-traffic factors for the formation of the trade routes and argue for their relative or absolute significance.
4. List the leading maritime regions and associated major ports in the context of worldwide container cargo flows.
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1 **NOTE:** Name the proportion of ECTS credits for each activity so that the total number of ECTS credits is equal to the ECTS value of the course. Use empty fields for additional activities.

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| 1. List and explain the economic and qualitative criteria (sub-criteria) in examining the competitiveness of the intermodal transport route.
2. Define and display the most significant maritime routes of the liquid cargo flows in the world.
3. Explain the intensity, structure and dynamics of the trade routes, using the example of a selected seaport.
4. Formulate and systematize commodity affirmation factors using the example of the Pan-European Corridor V - Branch Vb.
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| *1.10. Main Reading*  |  |  |
| * Tanja Poletan Jugović, „Robni tokovi“, Pomorski fakultet, Sveučilište u Rijeci, 2014.
* Course materials available at e-learning platform Merlin (https://moodle.srce.hr)
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| *1.11. Recommended Reading*  |  |  |
| * Jean-Paul Rodrigue „The Geography of Transport Systems“, Fourth Edition, (2017), New York, selected chapters; <https://transportgeography.org/>
* Statistic sources with recent statistical data (available at web): Statistical Yearbook of the Republic of Croatia, Croatian Bureau of Statistics, CRO, Zagreb etc.
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| *1.12. Number of Main Reading Examples*  |  |  |
| *Title*  | *Number of examples*  | *Number of students*  |
| Tanja Poletan Jugović , „Robni tokovi“, Pomorski fakultet, Sveučilište u Rijeci, 2014. | 5 | 55 |
| Course materials available at e-learning platform Merlin (https://moodle.srce.hr) | + | 55 |
| *1.13. Quality Assurance*  |
| The quality of study is constantly monitored in accordance with the ISO 9001 standard implemented at the Faculty of Maritime Studies in Rijeka. An analysis of the exams is made annually, and a student survey is conducted once a semester. |