

### Specification of subjects in master's degree studies

|   |
|---|
| <b>Subject code:</b> TMΠ4731  |
| <b>Study program:</b> Technologies, management and design of furniture and wood products  |
| <b>Type and level of studies:</b> Master's degree study program   |
| <b>Subject name:</b> Organization of production in wood industry  |
| <b>Teacher (s):</b> Slavica Petrović, PhD   |
| <b>Associates:</b>  |
| <b>Subject type:</b> elective   |
| <b>ECTS:</b> 8  |
| <b>Condition:</b>   |
| <b>Subject aim:</b> Providing knowledge necessary for organizing and managing production in interrupted and continuous processes. This knowledge refers to the definition of the production system, the system attributes (organizational type of workplaces, spatial distribution of jobs, time-out operations, material flow patterns, intermittent process in space and time), calculation of capacities and number of system elements (workers and work tools). In addition, the introduction of complex processing centers in wood processing has led to the necessity of defining their effectiveness, since in today's conditions of production the efficiency of the system increasingly depends on the effectiveness of the technical system. The reduction of production costs cannot be imagined without the efficient organization of internal transport, optimization of the use of work items and reduction of inventories. Therefore, the elements of the internal transport are treated and the number of transport units in the intercontinental and inter-operational transport is calculated, and so on. |
| <b>Subject outcomes:</b> Training future engineers for a systematic approach to the study of changes in production systems under the impact of various factors.   |