

Specification of subjects in doctoral studies

Subject code: ДМ2.3112А
Study program: Technologies, management and design of furniture and wood products– Submodule 2.3. Chemical and mechanical wood processing
Type and level of studies: Doctoral studies
Subject name: Characterization of chemical components of microscopic and submicroscopic wood tissue elements
Teacher (s): Milanka R. Điporović-Momčilović, DSc; Jasmina Popović, PhD
Associates:
Subject type: elective
ECTS: 8
Condition: Enrollment in doctoral studies in the field of chemical and mechanical wood processing.
Subject aim: The aim of the course is that candidates master knowledge in the field of adhesive systems used in wood processing through comparative studies of the impact of the type of adhesive, catalyst and cleansing parameters in the presence of wood of different forms with the aim that students scientifically qualify for a critical and expert approach to problem solving and master modern methods and techniques of research.
Subject outcomes: The candidate who fully and universally mastered the subject matter by scientifically qualifying for the creative level of solving problems in the field of curing and secondary adhesion of polymer systems for wood, as well as determining the quality of the established adhesive bond. The choice of an adhesive system in relation to the wood species, the construction of the bond and the conditions of application. Self-management of scientific research and developmental work, development of critical thinking and validation of personal and other results. Knowledge of contemporary trends in the development of this discipline in the world.