

### Specification of subjects in doctoral studies

<b>Subject code:</b> ДМ2.3111А
<b>Study program:</b> Technologies, management and design of furniture and wood products
<b>Type and level of studies:</b> Doctoral studies
<b>Subject name:</b> Wood chemistry with the characterization of chemical components
<b>Teacher (s):</b> Jasmina Popović, PhD
<b>Associates:</b>
<b>Subject type:</b> elective
<b>ECTS:</b> 8
<b>Condition:</b>
<b>Subject aim:</b> The aim of the course is to increase students' knowledge in the field of chemical composition and conformation of basic chemical compounds that make wood substance (lignin, cellulose, hemicellulose, extractive substances, etc.), using modern methods of characterization: spectroscopic, thermal and other sophisticated methods for diagnostics.
<b>Subject outcomes:</b> Comprehensive mastering of the subject matter, the knowledge of the molecular and supermolecular structure of the wood cell wall and the methods for characterizing wood components, enables the candidate to scientifically acquire a creative level of solving problems in the field of chemical compounds that make up the wood substance and chemical-mechanical wood processing, as well as the application of the modern method of characterization of organic chemical compounds.