

### Specification of subjects in doctoral studies

<b>Subject code:</b> ДМ2.3121Б
<b>Study program:</b> Technologies, management and design of furniture and wood products– Submodule 2.3. Chemical and mechanical wood processing
<b>Type and level of studies:</b> Doctoral studies
<b>Subject name:</b> Biorafinations of lignocellulosic materials
<b>Teacher (s):</b> Milanka R. Điporović-Momčilović, DSc; Jasmina Popović, PhD
<b>Associates:</b>
<b>Subject type:</b> elective
<b>ECTS:</b> 8
<b>Condition:</b>
<b>Subject aim:</b> Understanding the chemistry of lignocellulosic materials from the point of view of the biomaterial industry. Mastering the phases of pre-treatment procedures by examining the impact between the chemical composition of the lignocellulosic material and the complexity of biomass treatment for the production of biogas products.
<b>Subject outcomes:</b> Students are trained to evaluate the results of pre-treatment; to propose appropriate pre-treatment for different types of lignocellulosic materials and to look at alternative ways of obtaining bioproducts. Ability to critically study literature in the field of pre-treatment of lignocellulosic materials.