

Course title	Lean Management in Production and Logistics
Lecturer	Determined later
Lecturer's email address	
Hours	30
ECTS	5
Academic year	2020/2021
Semester	winter/summer
Content	<ol style="list-style-type: none"> <li>1. Course introduction</li> <li>2. Basic production concepts, aims and rules</li> <li>3. Basic logistics concepts, aims and rules</li> <li>4. The origins, concept and aims of lean thinking</li> <li>5. Waste concept as a foundation of lean management</li> <li>6. Toyota Production System as an example of world-class lean management</li> <li>7. Process analysis and mapping – introduction</li> <li>8. Process analysis and mapping - workshop</li> <li>9. Lean management methods and tools (part 1)</li> <li>10. Lean management methods and tools (part 2)</li> <li>11. Lean logistics management</li> <li>12. TQM origins and concept</li> <li>13. Review of basic TQM methods and tools</li> <li>14. TQM and lean management relationship</li> <li>15. Final test</li> </ol>
Learning outcomes	<p>After the course students should be able to:</p> <ul style="list-style-type: none"> <li>• understand the idea of lean management</li> <li>• understand lean management in production and logistics</li> <li>• understand the idea of TQM</li> <li>• recognize relationship between lean management and quality management</li> <li>• understand, select and apply basic lean management methods and tools</li> </ul>
Selected literature	<ul style="list-style-type: none"> <li>• Mann D., Creating a Lean Culture (3rd edition), Wyd. Routledge, 2014.</li> <li>• Liker J.K., The Toyota Way: 14 Management Principles from the World's Greatest Manufacturer (1st edition), Wyd. McGraw-Hill Education 2004.</li> <li>• Womack J.P., Jones D.T., Ross D., The Machine That Changed the World, Wyd. Simon and Schuster 2007.</li> <li>• D'Acunto E., Flash on English for Transport &amp; Logistics, Wyd. ELI European Language Institute 2012.</li> </ul>
Teaching tools/methods	<ul style="list-style-type: none"> <li>• team-working</li> <li>• group discussions</li> <li>• interactive lectures using PPT</li> <li>• case studies</li> <li>• students' presentations</li> </ul>
Form of examination	<ul style="list-style-type: none"> <li>• presence and activity assessment</li> <li>• presentation prepared in team</li> <li>• final test</li> </ul>

