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| <b>COURSE TITLE:</b>            | <b>Programming in JavaScript</b>  |
| <b>Institute/Division:</b>      | Department of Electrical Engineering<br>Faculty of Electrical and Computer Engineering  |
| <b>Course code:</b>             | E-PJS   |
| <b>Erasmus subject code:</b>    | 0613  |
| <b>Number of contact hours:</b> | 45  |
| <b>Course duration:</b>         | 1 semester (Fall/Winter)  |
| <b>ECTS credits:</b>            | 6   |
| <b>Course description:</b>      | <p>The course comprises lectures, laboratory exercises and individual project. It covers the basic aspects of programming in ES5 and ES6 standards of JavaScript. JavaScript is one of the most popular programming languages widely used in web applications both on client and server side. The course covers:</p> <ul style="list-style-type: none"> <li>• Variables and scope</li> <li>• Objects</li> <li>• Arrays</li> <li>• Functions</li> <li>• Control flow</li> <li>• Prototypes and inheritance</li> <li>• Classes</li> <li>• Closures</li> <li>• Asynchronous programming</li> </ul> |
| <b>Course type:</b>             | Lectures (20h), Laboratory (20h), Project (5h)  |
| <b>Literature:</b>              | Kyle Simpson „You don't know JS”,<br>Selected reviews from scientific literature.   |
| <b>Assessment method:</b>       | Project and laboratory exercises  |
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