

<b>Title:</b>	<b>Formal Languages</b>
<b>Lecture hours:</b>	30
<b>Study period: (summer/winter)</b>	winter or summer
<b>Number of credits:</b>	6
<b>Assessment methods:</b>	homework, test
<b>Language of instruction:</b>	English
<b>Prerequisites:</b>	Elementary notions of abstract algebra
<b>Course content:</b>	regular expressions and regular languages, finite state automata, formal grammars, Chomsky hierarchy, context-free languages, pushdown automata, pumping lemmata
<b>Learning outcomes:</b>	The aim is to provide students with basics of formal language theory, in particular, of algorithms for recognition and parsing.
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<b>Literature:</b>	James Power, "Notes on Formal Language Theory and Parsing", <a href="http://www.cs.nuim.ie/~jpower/Courses/Previous/parsing/index.html">http://www.cs.nuim.ie/~jpower/Courses/Previous/parsing/index.html</a>