

Course announcement

History of Modern Mathematics and Logic, Fall 2019

Some very old discoveries, such as *Euclid's algorithm*, have excited mathematicians for centuries. It was only in modern times that it was possible to explain their importance using concepts from theoretical computer science. Detecting and searching huge *prime numbers* looked like a useless game for a very long time, but it found applications in *cryptology* during the last approximately seventy years.

The course is intended as an introduction to mathematical thinking (finding and using axioms, defining some algebraic notions) and a presentation of basic concepts of theoretical computer science (like *polynomial algorithm*), with detours to history and logic. The intended audience are students who, during their high school study, considered mathematics interesting but then did not pursue it. The course is offered in English, but if foreign students do not show up, we will probably switch to Czech. However, foreign students, all other students of School of Arts, and also students of the first year of logic are very welcome.

Takes place Thursdays 11:40–13:20, starting from Oct 3rd, room 137 in Celetná 20 (the room is located above the Blue Lecture Room and is accessed using the back staircase in Celetná 20). More information: [ALGV00120](#) and (later) <http://www.cuni.cz/~svejdar/?s=hist>.

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