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| Kurzus kódja: BMI-LOTD17-203E.04, BMI-LOTD17-203E.04 |
| Kurzus megnevezése: Introduction to Metalogic |
| Kurzus megnevezése angolul: Introduction to Metalogic |
| Kurzus időpontja és helye: P:10:00-11:30(i.ép II.em 221 |
| Kurzus előadója: Máté András ny. docens |

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| **Oktatás célja** Knowledge of the main theorems of metalogic, ability to prove theorems. |

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| **Tantárgy tartalma** Metalogic investigates the properties of formalized theories (such as negation-completeness, semantic completeness, decidability, consistency) within the framework of some (formalized or at least formalizable) theory. This course is based on Imre Ruzsa's theory of canonical calculi and the Markov algorithms. It covers their structure, their interrelations (their interdefinability) and the proof of well-known theorems of metalogic (Gödel's theorems, the Church-Turing theorem and Tarski's theorem on the indefinability of truth) in this framework, in an abstract and general form. |

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| **Számonkérési és értékelési rendszere** The student's grade depends on his/her performance in solving problems (in class or as homework). |

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| **Irodalom** Imre Ruzsa, Introduction to Metalogic. Budapest: Áron Publishers, 1997. |

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| **Kurzus weblapja:** <http://lps.elte.hu/andras/metalogic/metalogic.html> |