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| Code of course: |
| Title of course: **Modal Logic** |
| Title of course (in Hungarian): **Modális logika** |
| Lecturer: **Zalán Gyenis** |
| **General aim of the course**:  The course provides an introduction to modal logic.  **Content of the course:** - Propositional logic and modal languages - Kripke semantics, models, frames - Correspondence theory - Modal and first order definable frame properties - Modally definable but not first order definable frame properties  - Modally undefinable frame properties  - Standard translation - Completeness, incompleteness  **Grading criteria, specific requirements:**  Grading is based on homework and a final exam.  **Suggested reading:**  Chagrov, A., M. Zakharyaschev: Modal logic, Clarendon Press, Oxford, 1997  Blackburn, P., Rijke, M., & Venema, Y. (2001). *Modal Logic* (Cambridge Tracts in Theoretical Computer Science). Cambridge: Cambridge University Press. |