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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, 1997Blackburn, P., Rijke, M., & Venema, Y. (2001). *Modal Logic* (Cambridge Tracts in Theoretical Computer Science). Cambridge: Cambridge University Press. |