**COURSE DESCRIPTIONS**

|  |
| --- |
| Code of course: BMA- LOTD-416.01, BMI- LOTD-416E.01 |
| Title of course: **Dynamic Logic and Dynamic Semantics** |
| Lecturer: **Márton Gömöri and Zalán Molnár** |
| **General aim of the course:**  **While the standard, static approach identifies the meaning of a formula or a natural language sentence with its truth conditions, the dynamic approach conceives meaning as information changing potential. The course will discuss various aspects of this dynamic approach to the semantics of formal and natural languages.**  **Content of the course:**   * Introduction: motivations (1 session); * Dynamic propositional logic (1 session); * Quantificational dynamic logic (1 session); * Groenendijk & Stokhof's DPL (3 sessions); * DPL with intensional semantics (2 sessions); * Veltman's update semantics (2 sessions); * Philosophical perspectives (2 sessions).   The topics may change during the course, in accordance with student demand.  **Grading criteria:**  Homeworks submitted during the course.  Prerequisites:  **The course assumes some familiarity with the basic concepts and methods of modern formal logic; most importantly, the basics of translating ordinary propositions into formulas with predicates, constants, variables, propositional connectives, and quantifiers.**  **Readings:**  Harel & al, "Dynamic logic". In Gabbay & al. (ed.), Handbook of Philosophical Logic. Vol 4. 99--218. Muskens & al., "Dynamics". In Van Benthem & al., ed., Handbook of Logic and Language. 587--648. Dekker, Dynamic Semantics. Springer, 2012. Groenendijk & Stokhof, "Dynamic predicate logic". Linguistics & Philosophy 14 (1991) Groenendijk & Stokhof, "Dynamic Montague Grammar". In: Kalman & Polos (eds), Proceedings of the Second Symposion on Logic and Language. Eötvös Loránd University Press, 1990. 3--48. Groenendijk, Stokhof, & Veltman, "Coreference and modality". In: Lappin (ed), Handbook of Contemporary Semantic Theory. Blackwell, 1996. 179--216. Veltman, Frank, "Defaults in update semantics". Journal of Philosophical Logic 25/3, 1996. 221--261. Stokhof, Martin, "Meaning, Interpretation, and Semantics". In: Barker-Plummer, Beaver, Van Benthem & Di Luzio (eds), Words, Proofs, and Diagrams. CSLI Press, 2002. 217--240. |