**Title and Code of Course:** Trends in Philosophical Logic: Classical, Modal, and Non-monotonic Logics ERPB-BSB 9660

**Instructor’s Name:** László Pólos

**Instructor’s Email Address:** polos.laszlo@kre.hu

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<th>Credit Point Value:</th>
<th>Number of Lessons per Week:</th>
<th>Type of Course:</th>
<th>Method of Evaluation:</th>
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<td>6</td>
<td>2</td>
<td>Seminar ☒</td>
<td>Oral Examination ☐</td>
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<td>Lecture ☐</td>
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<td>Other ☒</td>
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**Course Description:**

This course is a composition of three mini courses:

1. First an introduction to classical first order logic, the key concepts, some meta-properties, axiomatization and inferencing.
2. Second a brief excursion to the exciting land of modal logics, argumentations with possibilities and necessities to arrive to the realm of the possible worlds, and their accessibility relation.
3. Third a peak into the dangerous fields of presumptions, and normalities, and the argumentations used in case of partial information, and the urgency of action.

Every subcourse concludes with a discussion of real life applications, and assessments of the benefits of these logics.

As a compensation of your hard work you will get the skills of

1. High standards of rigorous reasoning
2. Systematic understanding of multiple logics and their applicability
3. Techniques of theory construction

**Bibliography:**


L Pólos and Hannan, M.T. Reasoning with Partial Knowledge 2002 Sociological Methodology

**Recommended:**

F. Veltman: Default in Update Semantics 1994