Code(s): BMI-LOTD-329E.01
Title: Advanced Modal Logic
Lecturer(s): Zalán Gyenis
Location and time: Friday 12:00-13:30, room 224
Consultation (e-mail): zalan.gyenis@gmail.com

Content of the course:

This course covers basic model theoretical techniques applied in
modal logic (substructures, p-morphisms, bisimulation,
ultrafilter extension, etc), correspondance theory (first- and
second-order correspondents, standard translation), completeness
and in-completeness results and selected applications.

Examination and evaluation system:

Homeworks (60%) + Exam at the end of the semester (40%)

Bibliography:

Blackburn, P., Rijke, M., Venema Y. Modal logic. Cambridge
University Press, 2002.

Chagrov, A., Zakharyaschev M. Modal logic. Clarendon Press,
Oxford, 1997.

van Benthem, J. Modal logic for open minds. Online textbook.