Variations on the Theme of Modal Logics
(MSc Seminar in Logic)

Logics that share essential features with classical modal logic form a rich family and have been investigated in various semantic contexts. In the seminar we want to explore some of those variants with a model-theoretic approach. Possible themes involve alternative semantics for modal logics (team semantics, algebraic and co-algebraic semantics), particular semantic contexts (temporal logics, epistemic logics), connections with automata theory, logic and logic games and complexity issues, extensions to richer and more expressive formats (guarded logics, inquisitive logics).

The seminar presupposes some general background knowledge from an introduction to modal logic (lecture course or textbook sources) and a basic understanding of model-theoretic notions (as for instance from an introduction to mathematical logic, or courses on logic in computer science). Besides the oral presentation, participants will typically produce a handout and written summary.

For further planning of the seminar it is essential that, apart from registration in TUCaN, prospective participants contact me as soon as possible:
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