

# Master of Logic 2015/16

v0.5: <https://github.com/cschaaffner/MoLOverviewPoster>

Fork me on GitHub

Sep/Okt 2015  
Nov/Dec 2015  
Feb/Mar 2016  
Apr/May 2016

## Philosophy

Sept-Dec:  
Logic, Language and  
Computation (Aloni)  
[3EC]

[MoL-FGW] Advanced Topics in the Philosophy of Language (TBA)

[MoL-FGW] all Wittgenstein's Relevance: Perspectives (Stokhof)

[GSHum] Introduction to the Philosophy of Language (Brouwer)

[MoL-FGW] Wittgenstein's Relevance: Sources (Stokhof)

[MAPhil] Early Modern Philosophy of Language (Maat)

[MoL-FGW] The Computational Mind and its Critics (Kiverstein)

[MScPhys] Philosophy of Science (van Dongen)

Sept-Dec [MoL-FGW] Rationality, Cognition and Reasoning (vLambalgen)

[GSHum] Time (vLambalgen)

[MoL-FGW] Neurophilosophy of the Self (Kiverstein) [12EC]

## Philosophical Logic

some  
[MoL-FNWI] Basic Logic (Incurvati)

[MoL-FNWI] Logic, Knowledge and Science (Smets)

[MoL-FGW] Possible Worlds: Logic and Metaphysics (Berto)

[MAPhil] Kant, Logic and Cognition (vLambalgen)

[MoL-FGW] Philosophy of Mathematics (Incurvati)

[MoL-FNWI] Dynamic Epistemic Logic (Baltag)

[MoL-FNWI] Capita Selecta Modal Logic, Algebra, Coalgebra (Venema)

## Mathematical Logic

Sep-Dec: [BScWisk] Introduction to Modal Logic (Bezhanishvili)

[MoL-FNWI] Mathematical Structures in Logic (Bezhanishvili)

[MastMath-VU] Set Theory (Hart) [8EC]

[MoL-FNWI] Studies of Mathematical and Logical Practice (Loewe)

[MoL-FNWI] Homotopy Type Theory (vdBerg)

L&M  
[BScWisk] Axiomatic Set Theory (Baltag)

[MoL-FNWI] Seminar Mathematical Logic (Loewe) [3EC]

[MoL-FNWI] Proof Theory (vdBerg)

[MastMath] Model Theory (vdBerg) [8EC]

[MastMath] Category Theory and Topos Theory (vOosten) [8EC]

## Semantics & Pragmatics

[MoL-FNWI] Semantics and Pragmatics in Bayesian Interpretation (Zeevat)

[MScAI] Knowledge Representation for the Web (Schlobach)

[MoL-FNWI] Game Theory (TBD)

[MoL-FNWI] Computational Complexity (Buhrman)

[MoL-FNWI] Information Theory (Schaffner)

[MoL-FNWI] Basic Probability, Computing and Statistics (Sima'an) [3EC]

## Cognition

[MScB&CS] Foundations of Neural and Cognitive Modelling (Zuidema)

[MScAI] Natural Language Processing 1 (Titov)

[MScAI] Music Cognition (Honing)

[MScB&CS] Cognitive Models of Language and Music (Bod)

[MScAI] Unsupervised Language Learning (Titov)

[MScAI] Knowledge Representation (vHarmelen)

[MoL-FNWI] Recursion Theory (Rodenburg)

[MoL-FNWI] Kolmogorov Complexity (Torenvliet)

[MoL-FNWI] Combinatorics with Computer Science Applications (dWolf)

## Computational Linguistics / AI

Mandatory Courses of Tracks:  
L&P: Logic & Philosophy  
L&L: Logic & Language  
L&C: Logic & Computation  
L&M: Logic & Mathematics

[MScAI] Natural Language Processing 1 (Titov)

[MScAI] Natural Language Processing 2 (Sima'an)

[MScAI] Unsupervised Language Learning (Titov)

[MoL-FNWI] Basic Probability, Computing and Statistics (Sima'an) [3EC]

[MoL-FNWI] Introduction to Modern Cryptography (Schaffner)

[MoL-FNWI] Lambda Calculus (Rodenburg)

[MoL-FNWI] Functional Specification of Algorithms (vEijck)

[MoL-FNWI] Recursion Theory (Rodenburg)

[MoL-FNWI] Protocol Validation (Fokkink)

[MoL-FNWI] Concurrency Theory (Ponse)

[MoL-FNWI] Information Theory (Schaffner)

[MoL-FNWI] Computational Complexity (Buhrman)

[MoL-FNWI] Game Theory (TBD)

[MoL-FNWI] Computability and Interaction (Baeten)

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