

Sep/Okt 2017  
Nov/Dec 2017  
Feb/Mar 2018  
Apr/May 2018  
2018/19

all  
Logic,  
Language and  
Computation  
(Aloni)  
[3EC]

## Philosophical Logic

all  
[MoL-FNWI]  
Math Proof  
Methods for  
Logic  
(Incurvati)

[MoL-FGW]  
Ontology:  
Philosophical  
Perspectives  
(Berto, Lipman)

[MoL-FGW]  
Radical Interpretation,  
Hermeneutics and  
Forms of Life  
(Stokhof)

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

[MoL-FGW]  
Philosophy of  
Cognition  
(Brouwer)

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

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

[MoL-FGW]  
Kant, Logic and  
Cognition  
(vLambalgen)

[MoL-FGW]  
Causal Inference:  
Philosophical  
Theory and Modern  
Practice (Schulz)

[MoL-FGW]  
Philosophy of  
Mathematics  
(Incurvati)

**L&P**  
[MoL-FNWI]  
Philosophical Logic  
(vRoosij)

[MoL-FGW]  
Advanced topics in  
Philosophy of  
Language  
(Dekker)

**L&P** **L&L**  
[MoL-FGW]  
Meaning, Reference  
and Modality  
(Dekker)

[MoL-FGW]  
Time  
(vLambalgen)

[MoL-FNWI]  
Dynamic Epistemic  
Logic (Baltag)

[MoL-FNWI]  
Logic and  
Conversation  
(Roelofsens)

**L&L**  
[MoL-FGW]  
Structures for  
Semantics  
(Aloni)

## Theoretical Linguistics

[RM-Ling]  
Syntax and  
Semantics 1  
(Hengeveld, Aboh)

[RM-Ling]  
Syntax and  
Semantics 2  
(Hengeveld, Aboh)

**L&M, L&C**  
[BScWisk]  
Introduction to  
Modal Logic  
(Bezhanishvili)

[MoL-FNWI]  
Topics in  
Modal Logic  
(Venema)

**L&M**  
[MastMath-UvA]  
Set Theory  
(Hart, Löwe)  
[8EC]

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

**L&M**  
[MoL-FNWI]  
Proof Theory  
(vdBerg)

**L&M**  
[MoL-FNWI]  
Model Theory  
(Venema)

[MoL-FNWI]  
Category Theory  
(vdBerg)

[MastMath-UU]  
Category Theory  
and Topos Theory  
(van Oosten)  
[8EC]

[MoL-FNWI]  
Homotopy Type  
Theory  
(vdBerg)

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

## Mathematical Logic

## Philosophy

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

# Master of Logic 2017/18

draft version, 14 June 2017:

<https://github.com/cscaffner/MoLOverviewPoster>

Suggestions and comments are welcome!

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

## Cognition

[MScB&CS]  
Cognition and  
Language  
Development  
(Schaeffer)

[MoL-FNWI]  
Logical Methods in  
Cognitive Science  
(Szymanik)

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

[MoL-FNWI]  
Computational  
Semantics and  
Pragmatics  
(Fernandez)

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

[MScB&CS]  
Music Cognition  
(Honing)

## Economic Theory

[MoL-FNWI]  
Computational  
Social Choice  
(Endriss)

[MoL-FNWI]  
Game Theory  
(Endriss)

## Computational Linguistics / AI

[MScAI]  
Natural Language  
Processing 1  
(Deoskar)

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

[MScAI]  
Unsupervised  
Language Learning  
(Zuidema)

[MScAI]  
Knowledge  
Representation  
(vHarmelen)

[MScAI]  
Knowledge  
Representation for  
the Web  
(Schlobach)

[MastMath]  
Machine Learning  
Theory  
(Koolen, Grünwald,  
dHeide)  
[8EC]

[MoL-FNWI]  
Computability and  
Interaction (Baeten)

**L&C**  
[MoL-FNWI]  
Information Theory  
(Schaffner)

[MoL-FNWI]  
Basic  
Probability:  
Programming  
(TBA) [3EC]

[MoL-FNWI]  
Kolmogorov  
Complexity  
(Torenvliet)

**L&C**  
[MoL-FNWI]  
Computational  
Complexity  
(de Haan, Torenvliet)

[MoL-FNWI]  
Basic  
Probability:  
Theory (TBA)  
[3EC]

[MScCS-VU]  
Term Rewriting  
Systems  
(Endrullis)

[MastMath-UvA]  
Quantum computing  
(dWolf)  
[8EC]

## Theoretical Computer Science

[MScCS]  
Protocol Validation  
(Ponse)

[MoL-FNWI]  
Recursion Theory  
(Rodenburg)

[MoL-FNWI]  
Lambda Calculus  
(Rodenburg)

[MScCS]  
Concurrency Theory  
(Ponse)