

Sep/Oct 2018
Nov/Dec 2018
Feb/Mar 2019
Apr/May 2019
2019/20

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

Philosophical Logic

all
[MoL-FNWI]
Mathematical
Proof Methods
for Logic
(Hawke)

[MoL-FNWI]
Topology, Logic and
Learning
(Baltag)

[MoL-FGW]
Philosophy of
Techno Science
(Russo)

[MoL-FGW]
Ontology:
Philosophical
Perspectives
(TBC)

[MoL-FGW]
History of logic:
Theories of Language
in Early Modern
Philosophy (Maat)

[MoL-FGW]
Wittgenstein on
Ethics and
Aesthetics
(Stokhof)

[MoL-FGW]
Introduction to
the Philosophy
of Language
(Brouwer)

Philosophy

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

[MoL-FGW]
Philosophy of
Cognition
(Brouwer)

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

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

[MoL-FNWI]
Epistemic Paradoxes
and Philosophical
Puzzles
(Smets)

[MoL-FGW]
Logic and
Philosophy
(TBC)

[MoL-FGW]
Philosophy of
Mathematics
(Incurvati)

[MoL-FNWI]
Dynamic Epistemic
Logic
(Baltag)

L&P
[MoL-FNWI]
Philosophical Logic
(van Rooij)

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

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

[MoL-FGW]
Time
(van Lambalgen)

[MoL-FGW]
Semantics and
Philosophy
(Dekker, Aloni)

[MoL-FNWI]
Logic and
Conversation
(Roelofsen)

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

Theoretical Linguistics

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

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

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

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

Cognition

Master of Logic 2018/19

version: 1 June 2018:
<https://github.com/cscaffner/MoLOverviewPoster>
Suggestions and comments are welcome!

[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
(Lentz)

[MScB&CS]
How Music Works:
Music Cognition
(Honing)

Economic Theory

[MoL-FNWI]
Computational
Social Choice
(Endriss)

[MoL-FNWI]
Game Theory
(Endriss)

Computational Linguistics / AI

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

[MScAI]
Natural Language
Processing 1
(Shutova)

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

[MScAI]
Statistical Methods
for Natural
Language Semantics
(Shutova)

[MScB&CS]
Seminar Combining
Symbolic and Statistical
Methods in AI
(van Harmelen)

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

Mathematical Logic

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

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

L&M
[MoL-FNWI]
Proof Theory
(van den Berg)

L&M
[MastMath]
Model Theory
(Venema)
[8EC]

[MastMath-Utrecht]
Category Theory and
Topos Theory
(van Oosten) [8EC]
in 2019/20 only

[MastMath-Utrecht]
Topos Theory
(van Oosten)
[8EC]

[MoL-FNWI]
Category Theory
(van den Berg)

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

[MoL-FNWI]
Homotopy Type
Theory
(van den Berg)
in 2019/20 only

[MScCS-VU]
Protocol Validation
(Ponse)

[MoL-FNWI]
Recursion Theory
(Rodenburg)

[MoL-FNWI]
Lambda Calculus
(Rodenburg)

[MScCS]
Concurrency Theory
(Ponse)

[MScCS-VU]
Logical Verification
(Blanchette)

[MoL-FNWI]
Computability and
Interaction
(Baeten)

[MoL-FNWI]
Kolmogorov
Complexity
(Torenvliet)

[MScCS-VU]
Distributed
Algorithms
(Fokkink)

[MastMath]
Quantum
Information Theory
(Walter and Ozols)
[8EC]

[MScCS-VU]
Term Rewriting
Systems
(Endrullis)

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

[MastMath-UvA]
Quantum computing
(de Wolf)
[8EC]

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

Theoretical Computer Science