

- 1: Sep/Oct 2020
- 2: Nov/Dec 2020
- 4: Feb/Mar 2021
- 5: Apr/May 2021
- not in 2020/21

all
1+2: Logic, Language and Computation (Dekker) [3EC]

Philosophical Logic
all
1: [MoL-FNWI] Mathematical Proof Methods for Logic (Schlöder)

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

2: [MoL-FNWI] Dynamic Epistemic Logic (Baltag)

L&M, L&C
1+2: [BScWisk] Introduction to Modal Logic (Bezhanishvili)

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

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

1+2: [MastMath] Category Theory (van den Berg) [8EC]

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

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

1: [MoL-FNWI] Rudiments of Axiomatic Set Theory (Löwe) [3EC]

L&M
1+2: [MMath-UvA] Set Theory (Hart, Löwe) [8EC]

4+5: [MastMath] Topos Theory (van Oosten) [8EC]

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

[MoL-FNWI] Homotopy Type Theory (van den Berg)

Mathematical Logic

Philosophy

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

4: [MoL-FGW] Radical Interpretation, Hermeneutics, Practice Theory (Stokhof)

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

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

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

2: [MoL-FGW] Philosophy of Cognition (Brouwer)

5: [MoL-FGW] Kant, Logic and AI (van Lambalgen)

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

Cognition

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

Master of Logic 2020/21
version: 15 June 2020:
<https://github.com/cscaffner/MoLOverviewPoster>
Suggestions and comments are welcome!

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

5: [MoL-FGW] Advanced topics in Philosophy of Language (TBA)

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

4: [MoL-FGW] Time (van Lambalgen)

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

2: [MoL-FNWI] Logic and Conversation (Roelofsens)

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

Theoretical Linguistics

1: [RM-Ling] Syntax-Semantics Interface 1 (Hengeveld, Ruijgrok)

4: [RM-Ling] Syntax-Semantics Interface 2 (Ruijgrok)

Game Theory & Social Choice

4: [MoL-FNWI] Game Theory (Endriss)

5: [MoL-FNWI] Computational Social Choice (Endriss)

1: [MScCS-VU] Protocol Validation (Ponse)

2: [MScCS-VU] Logical Verification (Blanchette)

1+2: [MoL-FNWI] Lambda Calculus (Rodenburg)

1: [MoL-FNWI] Recursion Theory (Marti)

5: [MoL-FNWI] Logic, Games and Automata (Afshari)

2: [MScCS] Concurrency Theory (Ponse)

5: [MoL-FNWI] Kolmogorov Complexity (Torenvliet)

4: [MScCS-VU] Term Rewriting Systems (Endrullis)

4+5: [MMath-UvA] Quantum Information Theory (Walter and Ozols) [8EC]

4+5: [MMath-UvA] Quantum Computing (de Wolf) [8EC]

Quantum

Computational Linguistics / AI

2: [MoL-FGW] Data-driven History of Ideas (Betti)

1: [MoL-FNWI] Basic Probability: Theory (Ferreira Aziz) [3EC]

2: [MoL-FNWI] Basic Probability: Programming (Ferreira Aziz) [3EC]

2: [MScAI] Natural Language Processing 1 (Shutova)

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

5: [MoL-FNWI] Advanced Topics in Computational Semantics (Shutova)

1: [MScAI] Deep Learning for Natural Language Processing (Monz, Aziz)

4+5: [MastMath] Machine Learning Theory (Koolen, Grünwald, de Heide) [8EC]

6 (in June): [MScAI] Knowledge Representation and Reasoning (de Haan)

5: [MScCS-VU] Distributed Algorithms (Fokkink)

1: [MoL-FNWI] Computability and Interaction (Baeten)

L&C
4: [MoL-FNWI] Computational Complexity (de Haan)

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

Theoretical Computer Science