

# Academic Mentorship System @MoL

Christian Schaffner

ILLC (UvA), Centrum Wiskunde & Informatica (CWI), QuSoft

(shamelessly based on earlier version by Maria Aloni)

Friday, 2 September 2016

Sep/Oct 2016  
Nov/Dec 2016  
Feb/Mar 2017  
Apr/May 2017

## Philosophy

[MAPhI]  
Early Modern  
Philosophy of  
language  
(Maat)

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

[MAPhI]  
Techno-science  
and Epistemology  
(Russo)

[Mol-FGW]  
Ethics, Ontology,  
Life: Wittgenstein's  
Later Work  
(Stokhof)

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

[MAPhI]  
Philosophy of  
Cognition  
(Brouwer)

[Mol-FGW]  
Advanced topics in  
Philosophy of  
Language  
(Betti)

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

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

Philosophical  
Logic

some  
[Mol-FNW]  
Basic Logic-  
(Incurvati)

[Mol-FNW]  
Logic, Knowledge  
and Science  
(Smets)

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

[MAPhI]  
Kant, Logic and  
Cognition  
(vLambalgen)

[MAPhI]  
Causal Inference:  
Philosophical Theory  
and Modern Practice  
(Schulz)

# Master of Logic 2016/17

v0.9.2:  
<https://github.com/cschaffner/MolOverviewPoster>  
Suggestions and comments are welcome!

## Cognition

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

[Mol-FNW]  
Logical Methods  
in Cognitive  
Science  
(Szymanski)

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

[Mol-FNW]  
Computational  
Semantics and  
Pragmatics  
(Fernandez)

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

[MScB&CS]  
Music Cognition  
(Honing)

[MScAI]  
Natural Language  
Processing 1  
(Doostkar)

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

[MScAI]  
Unsupervised  
Learning  
(Zuidema)

[MScAI]  
Knowledge  
Representation  
(vHarmelen)

[MScAI]  
Knowledge  
Representation  
for the Web  
(Schlobach)

[Mol-FNW]  
Basic  
Probability:  
Programming  
(Schaffner,  
Schulz) [3EC]

[Mol-FNW]  
Basic  
Probability:  
Theory  
(Schaffner)  
[3EC]

[Mol-FNW]  
Quantum  
Computing  
(dWolf) [3EC]

[Mol-FNW]  
Kolmogorov  
Complexity  
(Torenvliet)

## Theoretical Computer Science

## Economic Theory

[Mol-FNW]  
Game Theory  
(Endriss)

[Mol-FNW]  
Computability  
and Interaction  
(Baeten)

L&C  
[Mol-FNW]  
Information Theory  
(Schaffner)

[MScCS-VU]  
Distributed  
Algorithms  
(Fokkink)

L&C  
[Mol-FNW]  
Computational  
Complexity  
(Buhrman)

[Mol-FNW]  
Recursion  
Theory  
(Rodenburg)

[Mol-FNW]  
Concurrency  
Theory  
(Ponse)

## Theoretical Linguistics

[RM-Ling]  
Functional Discourse  
Grammar  
(Hengeveld)

[RM-Ling]  
Generative Grammar  
(Iatridou)

L&P  
[Mol-FNW]  
Philosophical Logic  
(vRooy)

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

L&L [GSHum]  
Time  
(vLambalgen)

[Mol-FNW]  
Logic and  
Conversation  
(Roelofsen)

L&L  
Structures for  
Semantics  
(Aloni)

## Mathematical Logic

[BScWisk]  
Introduction to  
Modal Logic  
(Bezhanishvili,  
Enqvist)

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

exclusive or  
[MolMath-UvA]  
Set Theory  
(Hart) [3EC]

[Mol-FNW]  
Capita Selecta:  
Modal Logic,  
Algebra, Coalgebra  
(Venema, Enqvist)

[MolMath-UvA]  
Mathematical  
Structures in Logic  
(Bezhanishvili)

L&M  
[Mol-FNW]  
Proof Theory  
(vdBerg)

L&M  
[Mol-FNW]  
Model Theory  
(vdBerg)

[Mol-FNW] Seminar  
Mathematical Logic  
(Lowe) [3EC]

[Mol-FNW]  
Capita Selecta:  
Set Theory  
(Lowe)

[Mol-FNW]  
Category Theory  
(vdBerg)

[MolMath-RU]  
Intuitionistic  
Mathematics  
(Veldman) [3EC]

[Mol-FNW]  
Functional  
Specification of  
Algorithms  
(vEick)

[Mol-FNW]  
Lambda  
Calculus  
(Rodenburg)

[MScCS-VU]  
Logical  
Verification  
(vRaamsdonk)

[MScCS-VU]  
Quantum  
Computing  
(dWolf) [3EC]

[Mol-FNW]  
Recursion  
Theory  
(Rodenburg)

[Mol-FNW]  
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Theory  
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# Academic Mentorship

- ▶ Advice & guidance in a highly individual program
- ▶ Monitoring and assistance in case of problems

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## Academic mentors this year

- ▶ Maria Aloni
- ▶ Alexandru Baltag
- ▶ Benno van den Berg
- ▶ Franz Berto
- ▶ Nick Bezhanishvili
- ▶ Ivano Ciardelli
- ▶ Tejaswini Deoskar
- ▶ Ulle Endriss
- ▶ Raquel Fernández
- ▶ Dick de Jongh
- ▶ Benedikt Löwe
- ▶ Floris Roelofsen
- ▶ Robert van Rooij
- ▶ Christian Schaffner
- ▶ Sonja Smets

# What a mentor is for

## Advice & Guidance (good times)

1. Choice of courses, (individual) projects, thesis topic and supervisor;
2. Career choices: direction of study, grants, PhD applications.

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2. Academic mentor as mediator in case of conflicts.

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**Mentorship is a tool for solving problems: use it!**

## What will your mentor expect from you

- ▶ Active attitude
- ▶ Courtesy and manners



## What will your mentor expect from you

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## What not to expect from your academic mentor

- ▶ To solve all problems
- ▶ To know everything
- ▶ To be available 24/7

# General advices

## Ideal timeline

- ▶ All mandatory courses in the first two semesters;
- ▶ Thesis topic/supervisor selected in the first half of the 3rd semester;
- ▶ 90 credits + approval form by the end of the 3rd semester;
- ▶ Thesis defense by the end of the 4th semester.

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## Other general advices

- ▶ Avoid dispersion: don't enroll for too many courses!
- ▶ Be broad: don't focus on only one topic/discipline!
- ▶ Importance of social interactions, and seminars

## (Regular) seminars

- ▶ The Logic Tea
- ▶ Cool Logic seminar for Logic Students

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- ▶ Cool Logic seminar for Logic Students
- ▶ The DIP Colloquium
- ▶ Computational Linguistics Seminar
- ▶ The Colloquium on Mathematical Logic
- ▶ Computational Social Choice Seminar
- ▶ Logic and Interactive RAtionality (LIRa)
- ▶ Seminar on music cognition and computation
- ▶ ILLC Colloquium
- ▶ SMART Cognitive Science Lectures
- ▶ LogiCIC Seminar
- ▶ The LeGO (Leerstoel Groepen Overleg) Seminar
- ▶ Seminar on Provability, Interpretability, Intuitionism and Arithmetic (PIIA)
- ▶ AlgebraCoalgebra Seminar
- ▶ Cognition at ILLC
- ▶ Theoretical Computer Science Seminar
- ▶ Music Cognition Reading Group
- ▶ Dutch Social Choice Colloquium

Full descriptions at ILLC website

<http://www.illc.uva.nl/NewsandEvents/Events/Regular/>

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- ▶ You do not like a course: express it in the evaluation, talk to the OC.

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- ▶ You and your supervisor do not match: talk to your mentor

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- ▶ Financial problems: panic, talk to everybody
- ▶ Administrative problems: go to Tanja Kassenaar
- ▶ You want to drop a course: inform the teacher
- ▶ You do not like a course: express it in the evaluation, talk to the OC.
- ▶ You want to change track: inform your mentor
- ▶ You and your supervisor do not match: talk to your mentor
- ▶ You and your mentor do not match: be open about it, contact Tanja
- ▶ ...

Find a summary on:

<https://www.illc.uva.nl/MScLogic/people/mentors.html>

Sep/Oct 2016  
 Nov/Dec 2016  
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all  
 Logic, Language  
 and  
 Computation  
 (ALOM)  
 (3EC)

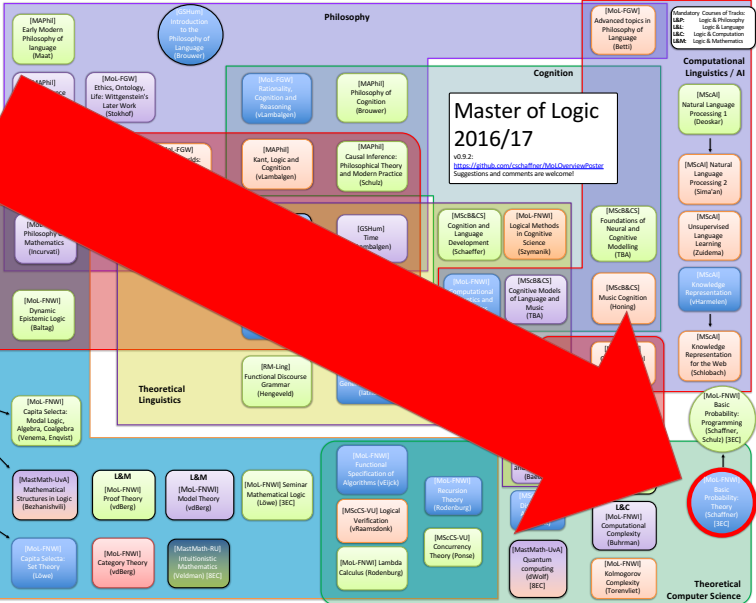
some  
 (Mol. FNWI)  
 Basic Logic  
 (Incurvati)

(ECSWik)  
 Introduction to  
 Modal Logic  
 (Behanishvili,  
 Enquist)

L&M  
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 Axiomatic Set  
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exclusive or  
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 Set Theory  
 (Hart) (3EC)

**Mathematical  
 Logic**



# Basic Probability: Theory

- ▶ starts next Monday 5 Sep 2016, at 9:00 in SP G0.18B
- ▶ 3-ECTS deficiency course for students interested in computation track and AI
- ▶ Content: Counting and Sets, Probability, Discrete and Continuous Random Variables, Statistics, Expectation Maximisation, Information Theory
- ▶ Modern teaching style: flipped-classroom, moodle, ...
- ▶ Sign up by following the procedure on <https://basicprobability.github.io/>
- ▶ See you!