

Period III: 10.1.-25.2. (weeks 2-8)

Exam week: 21.2.-25.2. (week 8)

Period IV: 28.2.-14.4. (weeks 9-15)

Exam week: 11.4.-14.4. (week 15)

Exams

Exam: 12.4. at 13:00-17:00

Retake: 1.6. at TBD

Lectures

During the 3rd period recorded lectures will be provided, followed by a Zoom Q&A session.

The starting time of the Q&A session is shown in the parentheses.

In the 4th period, the lectures will be arranged in-person.

Exercise sessions

TAs will be available online in Zoom and answer questions in Slack during the exercise sessions.

TAs give guidance for solving exercises and can explain correct answers to previous rounds.

Exercise sessions A and B are similar and you can join either one or even both, except that session A is online and session B is arranged in-person in Otaniemi.

Week 2 (10.1-16.1.)

Fri 14.1.	9:45 (11:30)	Lecture 1	Introduction
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Week 3 (17.1-23.1.)

Wed 19.1.	16:15	Assignment 1 (A)	Probabilities, graphs
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Fri 21.1.	9:45 (11:30)	Lecture 2	Bayesian networks
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Fri 21.1.	14:15	Assignment 1 (B)	
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Week 4 (24.1-30.1.)

Wed 26.1.	16:15	Assignment 2 (A)	Bayesian networks
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Fri 28.1.	9:45 (11:30)	Lecture 3	MV Gaussian, Bayesian linear models
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Fri 28.1.	14:15	Assignment 2 (B)	
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Week 5 (31.1-6.2.)

Wed 2.2.	16:15	Assignment 3 (A)	MV Gaussian, Bayesian linear models
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Fri 4.2.	9:45 (11:30)	Lecture 4	ML-II, Laplace, Gaussian mixtures
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Fri 4.2.	14:15	Assignment 3 (B)	
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Week 6 (7.2-13.2.)

Wed 9.2.	16:15	Assignment 4 (A)	ML-II, Laplace, Gaussian mixtures
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Fri 11.2.	9:45 (11:30)	Lecture 5	Expectation maximization
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Fri 11.2.	14:15	Assignment 4 (B)	
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Week 7 (14.2.-20.2.)

Wed 16.2.	16:15	Assignment 5 (A)	Expectation maximization
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Fri 18.2.	14:15	Assignment 5 (B)	
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Week 8 (21.2.-27.2.)

Exam week, no teaching

Week 9 (28.2.-6.3.)

Fri 4.3. 10:15 TU1 **Lecture 6** Variational Bayes

Week 10 (7.3.-13.3.)

Wed 9.3. 16:15 **Assignment 6 (A)** Variational Bayes

Fri 11.3. 10:15 TU1 **Lecture 7** Model selection

Fri 11.3. 14:15 Maari-B **Assignment 6 (B)**

Week 11 (14.3.-20.3.)

Wed 16.3. 16:15 **Assignment 7 (A)** Model selection

Fri 18.3. 10:15 TU1 **Lecture 8** Latent linear models

Fri 18.3. 14:15 Maari-B **Assignment 7 (B)**

Week 12 (21.3.-27.3.)

Wed 23.3. 16:15 **Assignment 8 (A)** Latent linear models

Fri 25.3. 10:15 TU1 **Lecture 9** Stochastic variational inference

Fri 25.3. 14:15 Maari-B **Assignment 8 (B)**

Week 13 (28.3.-3.4.)

Wed 30.3. 16:15 **Assignment 9 (B)** Stochastic variational inference

Fri 1.4. 14:15 Maari-B **Assignment 9 (A)**

Week 14 (4.4.-10.4.)

No assignments or lectures.

Week 15 (11.4.-17.4.)

Exam week, exam on Tuesday 12.4. at 13:00-17:00 o'clock