



Joint Master's Degree in Program Development - Evaluation

The Joint Master Programme

- The programme is shared between UiB and HVL
- Projects are supervised by faculty from either UiB or HVL
- Courses are given by either UiB or HVL

Research groups at HVL

- Model based software development
- Computer graphics
- Grid computing
- Health Informatics
- Machine learning
- Communication and security

...plus

- External projects

Programme structure

- Mandatory courses
 - INF234 Algorithms
 - INF222 Programming Languages
 - DAT250
Advanced Software Technologies
 - DAT251
Modern System Development Methods

Available courses

- Elective courses @ HVL
 - Fall term:
 - DAT351 Grid and cloud computing
 - Spring term:
 - DAT253 Advanced computer graphics
 - DAT254 Health informatics
 - DAT353 Model based software engineering

Programme structure

- Elective courses @ UiB
 - Fall term:
 - INF 214 Concurrent programming
 - INF 220 Program specification
 - INF 226 Software security
 - INF 329 Selected Topics in Programming Theory (irregular)

Programme structure

- Elective courses @ UiB
 - Spring term:
 - INF 223 Category Theory
 - INF 227 Introduction to logic
 - Irregular:
 - INF 210 Modelling of Computing
 - INF 225 Introduction to Program Translation
 - INF 328 Elements of Programming Languages

Programme structure

- Recommended combinations
 - INFOxxx + DAT253 = computer graphics
 - ?? + DAT254 = health informatics
 - ?? + INF283 = machine learning
 - DAT351 + ?? = grid and cloud comp.
 - ?? + DAT354 = MDSE
 - INF226 + INF245 = security
 - INFO262 + ?? = interaction design
 - INF261 + ?? = engineering computing

Thesis - 60 ETCS

2018 Fall	DAT250	INF234	Electives
2019 Spring	DAT251	INF222	Electives
2019 Fall	Project	Project	Project
2020 Spring	Project	Project	Project

Thesis - 30 ETCS?

2018 Fall	MOD250	INF234	Electives
2019 Spring	MOD251	INF222	Electives
2019 Fall	Electives	Electives	Electives
2020 Spring	Project	Project	Project

- Shorter, more intensive project
- Possible exchange stay
- More courses

Research methodology and writing

- Formally part of DAT300 (master project)
- In practice, part of DAT251
 - Writing research proposal in 4 iterations
 - Background, research questions, methodology ++
 - Based on dialogue with supervisor
 - Form basis for the thesis
- Can it be improved?

Defining a master project

- There is no formal definition of learning outcomes of the master project!
- Can we define common elements for master projects on our programme?
- How do we evaluate a thesis?
 - Internal censors
 - External censors

Welcoming new students

- Intro meeting at UiB on Wednesday before courses start.
- Meeting at HVL Friday before courses start
 - Advice on courses + projects
- Meeting with supervisors end of September
 - Too many projects/supervisors?

That´s all folks!