Methodology & Statistics

Tom F. Wilderjans

Universiteit Leiden
The Netherlands

Index

1. Programme overview

2. Programme outline and schedule (September/February intake)

3. Mandatory courses

4. Electives

5. Internship

6. Thesis

7. Before the start of the programme

Programme overview

Programme structure (60 EC)

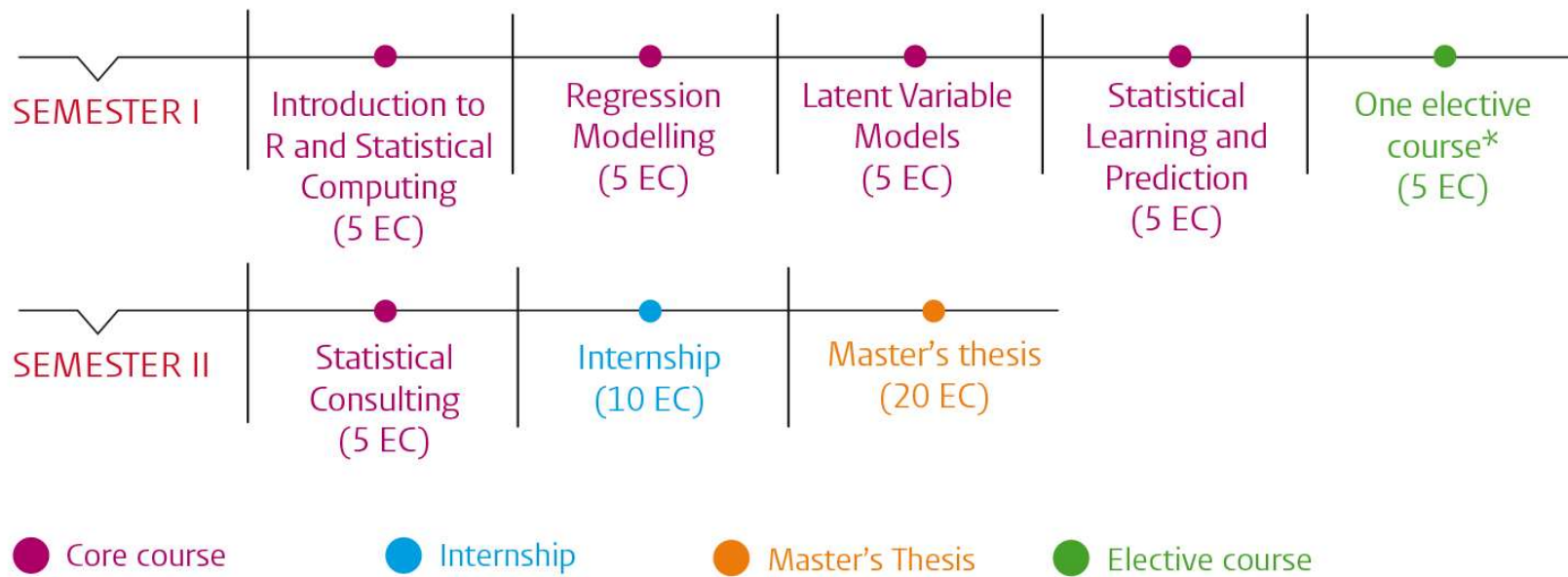|	
• Five mandatory courses	25 EC
• One elective course	5 EC
• Thesis	20 EC
• Internship	10 EC

Degree

• MSc in Psychology

Type of programme

• Full time

• 60 EC

• English spoken

Starts in

• September (best option !)

• February (not preferred)

Programme outline

| SEMESTER I | Introduction to R and Statistical Computing (5 EC) | Regression Modelling (5 EC) | Latent Variable Models (5 EC) | Statistical Learning and Prediction (5 EC) | One elective course* (5 EC) |

| SEMESTER II | Statistical Consulting (5 EC) | Internship (10 EC) | Master's thesis (20 EC) |

● Core course   ● Internship   ● Master's Thesis   ● Elective course

You can also choose to follow an elective course in semester II. We recommend that you choose one of the following electives: fMRI Data and Statistics (semester II); Statistical Mediation and Moderation (semester I). See Prospectus

Programme schedule (September intake)

First semester (September-January)

Block I (September-November)
- Computational Statistics with R (also Block II)
- Regression Modelling

Block II (November-January)
- Computational Statistics with R (partly)
- Statistical Learning and Prediction
- Latent Variable Models
- elective: Statistical Mediation and Moderation

Second semester (February-August)

Block III (February-April)
- Statistical Consulting (partly also in Block IV)
- Internship (till end April)
- elective: fMRI and Data Analysis

Block IV (April-August)
- Statistical Consulting (partly)
- Thesis

Programme schedule (February intake)

First semester (February-August)

Block III (February-April)
- Computational Statistics with R (also Block IV)
- elective: fMRI and Data Analysis

Block IV (April-August)
- Computational Statistics with R (partly)
- Statistical Learning and Prediction
- Internship (only internal with focus on R task)

Second semester (September-January)

Block I (September-November)
- Regression Modeling
- Statistical Consulting (partly also in Block II)
- Thesis (also in Block II)

Block II (November-January)
- Latent Variable Models
- Statistical Consulting (partly)
- elective: Statistical Mediation and Moderation
- Thesis

Mandatory courses

- Computational Statistics with R

- Regression Modelling

- Statistical Learning and Prediction

- Latent Variable Models

- Statistical Consulting (only after obtaining 10EC)

- additional information can be found in the Prospectus

- Mandatory attendance? Differs per course

Electives

List of possible electives

• Block II: Statistical Mediation and Moderation

• Block III: fMRI and Data Analysis

• Wider list of electives: more information can be found in the Prospectus

Internship

- Internal and external projects (10EC)

- Only when you passed enough courses (10EC minimum, ideally 20EC)

- Topic allocation
  - Mid of November: session with all practical information on internship and thesis
  - December: determining top 3 choices and allocation of internship projects

- Length?
  - 280 hours
  - 4 days a week (could be less)
  - about 10 weeks (ideally 3 months)

Enough projects, you can select own project

Thesis

- Internal and external projects (20EC)

- Final part of your master

- Topic allocation
  - Mid of November: session with all practical information on internship and thesis
  - February/March: look for your topic (a list will be available)

- Length?
  - 560 hours
  - 5 days a week (could be less)
  - about 14 weeks (ideally 4 months)

Enough projects, you can select own project

Thesis

- Internship/Thesis abroad

    - register internship or thesis project in uSis via the 'Study Abroad' tile.

    - at least two weeks before departure

    - also for students who are going to do their internship in their home country (which is not the Netherlands)

Before the start of the programme

Sign up for courses

- When?
  - Course planning: *June and November*
  - Course enrolment: *July and December*
- Instructions on student website of Leiden University

Be present at the Master's Kick Off

- When?
  - September start: *August 29, 2024*
  - February start: *January 30, 2025*
- We expect you to attend the kick off. More information will follow via email

We are looking forward to welcoming you at Leiden University!

Universiteit Leiden
The Netherlands