## Year Schedule Master Bioinformatics and Systems Biology (Joint Degree) 2018-2019

### Year 1

**Week 36**
- Literature Review (UvA) (6 ec) XMU_405052
- Introduction to Systems Biology (6 ec) X_428585

**Week 37**
- Fundamentals of Bioinformatics (6 ec) X_405052
- Algorithms in Sequence Analysis (6 ec) X_405050

**Week 38**
- Bioinformatics major
  - Algorithms in Sequence Analysis (6 ec) X_405050
  - Structural Bioinformatics (6 ec) X_405019

- Systems Biology major
  - Basic Models of Biological Networks (6 ec) X_418154
  - Systems Biology in Practice (6 ec) XMU_418157 (V+48)

**Week 39**
- Bioinformatics major
  - Algorithms in Sequence Analysis (6 ec) X_405050
  - Structural Bioinformatics (6 ec) X_405019

- Systems Biology major
  - Basic Models of Biological Networks (6 ec) X_418154
  - Systems Biology in Practice (6 ec) XMU_418157 (V+48)

**Week 40**
- Literature Review (UvA) (6 ec) XMU_405052
- Introduction to Systems Biology (6 ec) X_428585

**Week 41**
- Bioinformatics major
  - Algorithms in Sequence Analysis (6 ec) X_405050
  - Structural Bioinformatics (6 ec) X_405019

- Systems Biology major
  - Basic Models of Biological Networks (6 ec) X_418154
  - Systems Biology in Practice (6 ec) XMU_418157 (V+48)

**Week 42**
- Bioinformatics major
  - Algorithms in Sequence Analysis (6 ec) X_405050
  - Structural Bioinformatics (6 ec) X_405019

- Systems Biology major
  - Basic Models of Biological Networks (6 ec) X_418154
  - Systems Biology in Practice (6 ec) XMU_418157 (V+48)

**Week 43**
- Bioinformatics major
  - Algorithms in Sequence Analysis (6 ec) X_405050
  - Structural Bioinformatics (6 ec) X_405019

- Systems Biology major
  - Basic Models of Biological Networks (6 ec) X_418154
  - Systems Biology in Practice (6 ec) XMU_418157 (V+48)

**Week 44**
- Bioinformatics major
  - Algorithms in Sequence Analysis (6 ec) X_405050
  - Structural Bioinformatics (6 ec) X_405019

- Systems Biology major
  - Basic Models of Biological Networks (6 ec) X_418154
  - Systems Biology in Practice (6 ec) XMU_418157 (V+48)

**Week 45**
- Bioinformatics major
  - Algorithms in Sequence Analysis (6 ec) X_405050
  - Structural Bioinformatics (6 ec) X_405019

- Systems Biology major
  - Basic Models of Biological Networks (6 ec) X_418154
  - Systems Biology in Practice (6 ec) XMU_418157 (V+48)

**Week 46**
- Bioinformatics major
  - Algorithms in Sequence Analysis (6 ec) X_405050
  - Structural Bioinformatics (6 ec) X_405019

- Systems Biology major
  - Basic Models of Biological Networks (6 ec) X_418154
  - Systems Biology in Practice (6 ec) XMU_418157 (V+48)

**Week 47**
- Bioinformatics major
  - Algorithms in Sequence Analysis (6 ec) X_405050
  - Structural Bioinformatics (6 ec) X_405019

- Systems Biology major
  - Basic Models of Biological Networks (6 ec) X_418154
  - Systems Biology in Practice (6 ec) XMU_418157 (V+48)

**Week 48**
- Bioinformatics major
  - Algorithms in Sequence Analysis (6 ec) X_405050
  - Structural Bioinformatics (6 ec) X_405019

- Systems Biology major
  - Basic Models of Biological Networks (6 ec) X_418154
  - Systems Biology in Practice (6 ec) XMU_418157 (V+48)

**Week 49**
- Bioinformatics major
  - Algorithms in Sequence Analysis (6 ec) X_405050
  - Structural Bioinformatics (6 ec) X_405019

- Systems Biology major
  - Basic Models of Biological Networks (6 ec) X_418154
  - Systems Biology in Practice (6 ec) XMU_418157 (V+48)

**Week 50**
- Bioinformatics major
  - Algorithms in Sequence Analysis (6 ec) X_405050
  - Structural Bioinformatics (6 ec) X_405019

- Systems Biology major
  - Basic Models of Biological Networks (6 ec) X_418154
  - Systems Biology in Practice (6 ec) XMU_418157 (V+48)

**Week 51**
- Bioinformatics major
  - Algorithms in Sequence Analysis (6 ec) X_405050
  - Structural Bioinformatics (6 ec) X_405019

- Systems Biology major
  - Basic Models of Biological Networks (6 ec) X_418154
  - Systems Biology in Practice (6 ec) XMU_418157 (V+48)

**Week 52**
- Bioinformatics major
  - Algorithms in Sequence Analysis (6 ec) X_405050
  - Structural Bioinformatics (6 ec) X_405019

- Systems Biology major
  - Basic Models of Biological Networks (6 ec) X_418154
  - Systems Biology in Practice (6 ec) XMU_418157 (V+48)

**Week 1**
- First internship (Major) (30-42 ec) XM_405027

**Week 2**
- Second internship (Minor) (18-30 ec) XM_405032

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**Periods**
- Period 1: Week 36-37
- Period 2: Week 38-39
- Period 3: Week 40-41
- Period 4: Week 42-43
- Period 5: Week 44-45
- Period 6: Week 46-47

**Courses**
- Basic Models of Biological Networks (6 ec) X_418154
- Systems Biology in Practice (6 ec) XMU_418157 (V+48)
- Bioinformatics for Translational Medicine (6 ec) X_405092
- Advanced Modeling in Systems Biology (6 ec) X_418155
- Statistics with R (6 ec) X_418156
- Algorithms in Sequence Analysis (6 ec) X_405050
- Structural Bioinformatics (6 ec) X_405019

**Electives**
- Introduction to Systems Biology (6 ec) X_428585