### Course Project

- **Elective (compulsory choice at least 6 ec)**
- **Elective (compulsory choice at least 6 ec)**

### Exams

- **Holidays**
- **Elective (restricted choice at least 18 ec)**

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**CONCEPT oriented Variant for Natural and Life Sciences**

#### Year 1

- **Week 36 to 37**
  - Internship Science in Society (BIO) (30 ec) AM_1134

- **Week 38 to 39**
  - Biomedical Modelling and Simulation (6 ec) X_430112
  - Research methods for analyzing problems (6 ec) AM_1182
  - Bio-analysis & Clinical Diagnostics (6 ec) X_432765
  - Pathophysiology of Heart and Circulation (6 ec) M_CPATHO09
  - Ph. of Organs 1: Cardio-Pulm. Physics (6 ec) X_428527

- **Week 40 to 41**
  - Advanced Medical Image Processing (6 ec) X_422610
  - Image Processing for MNS (6 ec) X_422612
  - Mass Spectrometry (6 ec) X_435604
  - Ph. of Organs 2: Sensory Organs & Bioel. (6 ec) X_428528
  - Soft Condensed Matter and Bio I Phy. (6 ec) X_420167

- **Week 42 to 43**
  - Scientific Writing in English for MNS (3 ec) X_422583
  - Dynamics of Biomolecules and Cells (6 ec) X_422583
  - Ethics in Biomedical Research (3 ec) X_422592

#### Year 2

- **Week 36 to 37**
  - Internship Science in Society (BIO) (30 ec) AM_1134

- **Week 38 to 39**
  - Colloquium / Literature thesis (6 ec) X_422611
  - Major research Project (39 ec) X_422613

- **Week 40 to 41**
  - Minor research Project (21 ec) X_422614 or (27 ec) XM_42000

- **Week 42 to 43**
  - Analysis of Governmental Policy (6 ec) AM_470571
  - Live cell imaging (6 ec) AM_470726
  - Societal entrepreneurship: H&L sciences (6 ec) AM_470575
  - Communication, Org., and Management (6 ec) AM_470572
  - Drug-Induced Stress and Cellular Reactions (6 ec) X_435536
  - High-Throughput Screening (6 ec) X_435047

- **Week 44 to 45**
  - Signal Transd. in Health and Disease (6 ec) X_422535
  - Proteomics in Biomedical Research (3 ec) M_CPROT8109

- **Week 46 to 47**
  - Pathophysiology of Heart and Circulation (6 ec) M_CPATHO09
  - Ph. of Organs 1: Cardio-Pulm. Physics (6 ec) X_428527
  - Soft Condensed Matter and Bio I Phy. (6 ec) X_420167

- **Week 48 to 49**
  - Internship Science in Society (BIO) (30 ec) AM_1134
  - Clinical Development and Clinical Trials (3 ec) AM_1180
  - Parameter Estim. Appl. to M. and B. Ss (6 ec) X_435604
  - Epidemiology (3 ec) AM_1179

- **Week 50 to 51**
  - Biomedical Modelling and Simulation (6 ec) X_430112
  - Research methods for analyzing problems (6 ec) AM_1182
  - Bio-analysis & Clinical Diagnostics (6 ec) X_432765
  - Pathophysiology of Heart and Circulation (6 ec) M_CPATHO09
  - Ph. of Organs 1: Cardio-Pulm. Physics (6 ec) X_428527

- **Week 52 to 1**
  - Advanced Medical Technology (6 ec) X_437026
  - Biomedical Optics (6 ec) X_428529
  - Dynamics of Biomolecules and Cells (6 ec) X_422583
  - Ethics in Biomedical Research (3 ec) X_422592
  - Scientific Writing in English for MNS (3 ec) X_422583
  - Dynamics of Biomolecules and Cells (6 ec) X_422583
  - Ethics in Biomedical Research (3 ec) X_422592

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**Modified 30-5-2017**