Hanze

# Major Biology and Medical Research

| Programme | EC |
|---|---|
| | 60 |
| Theme 1 - Diversity of Life | *15* |
| BOVP23RINTROLAB - Laboratory Introduction | *5* |
| BOVP23RVISUAL - Visualisation of Cells and Tissues | *5* |
| BOVP23RANALIST - The Biological Research Technician | *5* |
| Theme 2 - Cell Biology | *15* |
| BOVP23RBBBO - Calculation and Preparation of Buffers and Solutions | *5* |
| BOVP23RCELMETABO - Basic Cell Biology and Metabolism | *5* |
| BOVP23RMICROBIO - Introduction to Microbiology | *5* |
| Theme 3 - Macromolecules | *15* |
| BOVP25RMLABTECHN - Molecular Laboratory Techniques | *5* |
| BOVP25RCTRDOGMA - The Central Dogma | *5* |
| BOVP23RPRJMOLBIO - Project Molecular Biology | *5* |
| Theme 4 - Heredity | *10* |
| BOVP23RGENETICA - Introduction to Genetics | *5* |
| BOVP23RPROFESS - The Professional | *5* |
| Electives | *5* |
| *selection of following courses* | |
| LSVX23ANATOMIE - Human Anatomy and Physiology: The Human Body under the Magnifying Glass | *5* |
| LSVX23CIRCUCHEM - Applied Circular Chemistry | *5* |
| LSVX23FILOSOFIE - Science Philosophy and Ethics | *5* |
| LSVX23HEALTHY - Healthy Ageing | *5* |
| LSVX23LABVAARDIG - Introduction Laboratory Skills | *5* |
| LSVX23OCTAVEMATL - Programming in Octave/MATLAB | *5* |
| LSVX23PYTHON - Introduction Programming in Python | *5* |
| LSVX24COMMUNICAT - Communication Skills | *5* |
| LSVX24CREATIEF - Creative Writing | *5* |
| LSVX24INDUSTRBIO - Introduction to Industrial Biotechnology | *5* |
| LSVX24INFECTIE - Infectious Diseases | *5* |
| LSVX24INLENERGIE - Introduction to the Energy Transition | *5* |
| LSVX24INLPSY - Introduction to Psychology | *5* |
| LSVX24KLIMAAT - Climate Change and Saline Soils | *5* |
| LSVX24MEDICIJN - Drug Discovery | *5* |
| LSVX24PERSPRJ - Personal Project Space | *5* |
| LSVX25PATIENT - The patient fit and prepared | *5* |
| LSVX25VOEDING - Healthy, Durable and Safe Food | *5* |
| Year 2 | 60 |
| Theme 5 - Biochemistry and Enzymology | *15* |
| BOVH24RBIOCHEMIE - Biochemistry | *10* |
| BOVH24RENZYMEN - Project Enzymes in Fungi | *5* |
| Theme 6 - Biology of Bacteria | *15* |
| BOVH24RMICROBIO - Microbiology | *10* |
| BOVH24RMOLMICRO - Molecular Microbiology | *5* |
| Theme 7 - Medical Biology of Animals and Human Cells | *15* |
| BOVH24RIMMUNO - Immunology | *10* |
| BOVH24RGENETICA - Genetics | *5* |
| Theme 8 - Biotechnology of Plants | *10* |
| BOVH24RPLANTBIO - Plant Physiology & Biotechnology | *10* |
| Electives | *5* |
| *selection of following courses* | |
| LSVX23ANATOMIE - Human Anatomy and Physiology: The Human Body under the Magnifying Glass | *5* |
| LSVX23CIRCUCHEM - Applied Circular Chemistry | *5* |
| LSVX23FILOSOFIE - Science Philosophy and Ethics | *5* |
| LSVX23HEALTHY - Healthy Ageing | *5* |
| LSVX23LABVAARDIG - Introduction Laboratory Skills | *5* |
| LSVX23OCTAVEMATL - Programming in Octave/MATLAB | *5* |
| LSVX23PYTHON - Introduction Programming in Python | *5* |
| LSVX24COMMUNICAT - Communication Skills | *5* |
| LSVX24CREATIEF - Creative Writing | *5* |
| LSVX24INDUSTRBIO - Introduction to Industrial Biotechnology | *5* |
| LSVX24INFECTIE - Infectious Diseases | *5* |
| LSVX24INLENERGIE - Introduction to the Energy Transition | *5* |

- LSVX24INLPSY - Introduction to Psychology *5*
- LSVX24KLIMAAT - Climate Change and Saline Soils *5*
- LSVX24MEDICIJN - Drug Discovery *5*
- LSVX24PERSPRJ - Personal Project Space *5*
- LSVX25PATIENT - The patient fit and prepared *5*
- LSVX25VOEDING - Healthy, Durable and Safe Food *5*

Year 3 60

- Theme 9 - Molecular Biology *15*
  - BOVH25RPJGENETIC - Project Genetic Engineering *10*
  - BOVH25RDATAVISUA - Data Analysis & Data Visualisation *5*
- Theme 10 - Cell Biology & Oncology *15*
  - BOVH25RPRJCELL - Project Cell Biology & Oncology *10*
  - BOVH25RHUMANGENS - Human Genetics & Cell Biology *5*
- Electives *30*

  *electives*

Year 4 60

- Work placement *30*
  - BOVH19RSTAGE - Practical Learning Period *28*
  - LSVH15KWALZ - Quality Assurance *1*
  - LSVH15ARBO - Health & Safety *1*
- Final Project *30*
  - BOVH15RAFST - Final Project *30*

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