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* |
| 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* |
| LSVX25PATIENT - Preparing patients for surgery: diagnostics and care at Nij Smellinghe | *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* |
| 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* |
| LSVX25PATIENT - Preparing patients for surgery: diagnostics and care at Nij Smellinghe | *5* |
| LSVX25VOEDING - Healthy, Durable and Safe Food | *5* |
| Year 3 | 60 |
| Theme 9 - Molecular Biology | *15* |
| BOVH25RPJGENETIC - Project Genetic Engineering | *10* |

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|---|---|
| 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<br>*electives* | *30* |
| Year 4 | 60 |
| Work placement | *30* |
| BOVH26RSTAGE - Practical Learning Period | *30* |
| Final Project | *30* |
| BOVH26RAFSTUDEER - Final Project | *30* |

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