

1st Semester	2nd Semester	3rd & 4th Semester		
<p>Ghent University Week 1</p> <p>“Introduction to the Circular Economy, Economics and Management of Natural Resources” (4 ECTS)</p>	<p>Uppsala University Middel of January – early June</p> <p>Mandatory courses (and 1 elective) (25 ECTS)</p> <p>Georesource Exploration and Characterisation (5 ECTS)</p> <p>Raw Materials Network Seminar (5 ECTS)</p> <p>Innovation Management, Entrepreneurship and IPR (10 ECTS)</p>	<p>Track (UGent) Resource Recovery & Sustainable Materials</p> <p>Start: 3rd or 4th Monday of September</p> <p>Master thesis (30 ECTS)</p> <p>Electives (15 ECTS)</p> <p>Materials Science Thermodynamics (6 ECTS)</p> <p>Dare to Venture (4 ECTS)</p> <p>Composites (6 ECTS)</p> <p>Microbial Re-use Technology (5 ECTS)</p> <p>Life Cycle Assessment of Materials & Structures (3 ECTS)</p> <p>Environmental Legislation (3 ECTS)</p> <p>Chemical Modification of Renewable Resources (3 ECTS)</p> <p>Corrosion and Surface Technology (6 ECTS)</p> <p>Environmental Fate and Management of Heavy Metals and Metalloids (5 ECTS)</p> <p>Environmental Constructions (5 ECTS)</p> <p>Membrane Processes in Environmental Technology (3 ECTS)</p> <p>Basics of Control Engineering and Process Engineering (4 ECTS)</p> <p>Sustainable Chemical Production Processes (6 ECTS)</p> <p>Geology of Building Stones (6 ECTS)</p> <p>Imaging Techniques of Consolidated and Unconsolidated Sediments (6 ECTS)</p> <p>Optical Mineralogy & Petrography (5 ECTS)</p>	<p>Track (TU Freiberg) Sustainable Processes</p> <p>Start: 2nd or 3rd Monday of October</p> <p>Master thesis (30 ECTS)</p> <p>Electives (15 ECTS)</p> <p>Resources Chemical Technology (5 ECTS)</p> <p>Selective Separation of Strategic Elements (5 ECTS)</p> <p>Microbiology for Resource Scientists: Lecture (3 ECTS)</p> <p>Microbiology for Resource Scientists: Lab Course (3 ECTS)</p> <p>Biotechnology in Mining (5 ECTS)</p> <p>Simulation of Sustainable Metallurgical Process (6 ECTS)</p> <p>Sensors and Actuators (4 ECTS)</p>	<p>Track (UU) Geo-resource Exploration</p> <p>Start: 1st Monday of September</p> <p>Master thesis (30 ECTS)</p> <p>Electives (15 ECTS)</p> <p>Critical Metals and Materials (5 ECTS)</p> <p>Exploration and Environmental Geophysics (15 ECTS)</p> <p>Challenges of Deep and High Stress Mining (5 ECTS)</p> <p>Professional Training in Earth Sciences (5 ECTS)</p>
<p>TU Freiberg Week 2 & 3</p> <p>“Problems and Innovations in the Process Chain of Rare Resources” (4 ECTS)</p>	<p>Electives Environmental Assessment (5 ECTS)</p> <p>African Mineral Resources: the Science and Politics of Sustainable Extraction of Mineral Resources (5 ECTS)</p> <p>Physical-Chemical Properties of Rocks, Minerals and Materials (5 ECTS)</p>	<p>Environmental Use of Materials (5 ECTS)</p> <p>Resource Recovery Technologies (5 ECTS)</p>	<p>Microbiology for Resource Scientists: Lab Course (3 ECTS)</p> <p>Biotechnology in Mining (5 ECTS)</p> <p>Simulation of Sustainable Metallurgical Process (6 ECTS)</p> <p>Sensors and Actuators (4 ECTS)</p>	<p>Challenges of Deep and High Stress Mining (5 ECTS)</p> <p>Professional Training in Earth Sciences (5 ECTS)</p>
<p>Ghent University rest of semester</p> <p>Mandatory courses (18 ECTS)</p> <p>Clean Technology (5 ECTS)</p> <p>Environmental Inventory Techniques (3 ECTS)</p> <p>Rational Use of Materials (5 ECTS)</p> <p>Resource Recovery Technologies (5 ECTS)</p>	<p>Electives Environmental Assessment (5 ECTS)</p> <p>African Mineral Resources: the Science and Politics of Sustainable Extraction of Mineral Resources (5 ECTS)</p> <p>Physical-Chemical Properties of Rocks, Minerals and Materials (5 ECTS)</p>	<p>Environmental Use of Materials (5 ECTS)</p> <p>Resource Recovery Technologies (5 ECTS)</p>	<p>Microbiology for Resource Scientists: Lab Course (3 ECTS)</p> <p>Biotechnology in Mining (5 ECTS)</p> <p>Simulation of Sustainable Metallurgical Process (6 ECTS)</p> <p>Sensors and Actuators (4 ECTS)</p>	<p>Challenges of Deep and High Stress Mining (5 ECTS)</p> <p>Professional Training in Earth Sciences (5 ECTS)</p>
	<p>TU Freiberg Summer school early June – end of July</p> <p>“Resources Chemistry” (9 ECTS)</p>			