

2.13 Geo-Resources in Context			
Study Area	Earth & Environmental Sciences Governance Electives	Module	Earth & Environmental Sciences: Global Cycles of Matter and Materials Governance: Advanced Governance I or II; Specialization Option: Administration, Law and Politics Elective
Instructor(s)	Hoppe	Course Format	Lecture, Work Group, Field trip
Open to Students	Years 2 and 3	Credit Points	3 ECTS (SL) + 3 ECTS (PL)
Max. enrollment	20	Starting Date	April 20
Prerequisites	Introduction to EES (for EES), Introduction to Governance (for Governance)		
Rooms and Times	Monday, 12:00-14:00, AU 220 Wednesday, 08:00-10:00 AU 220 Thursday, 12:00-14:00, AU 220		
Course Description	<p>The increasing demand for raw materials caused by population growth and rising affluence requires specific regulations for exploitation. This interdisciplinary course will focus on mineral deposits, their importance on the global market, and their exploitation under the aspects of sustainability.</p> <p>After getting an overview on the complex market of raw materials and a systematic classification of metal deposits in general, mineral deposits i.e. industrial minerals, sand and gravel, limestone and clay, will be studied in more detail and context-specific to their fields of use.</p> <p>In the first part, this course provides a solid theoretical knowledge of subject-related terms, methods and concepts as they are employed in the fields of Natural Sciences, Governance, Administration and Economics. In the second part, this theoretical knowledge is applied to a specific context in interdisciplinary work groups. During the project-seminar, students need to combine knowledge from both fields, Earth & Environmental Sciences and Governance, to deepen their understanding of mass materials like sand and gravel taking into account a specific geology, economy and ecology, as well as planning issues and a regulatory framework or "good governance".</p> <p>In a one day-fieldtrip, students will gain hands-on experience in sand and gravel mining by exploring the southern Upper Rhine Valley as a case study.</p> <p>Course assignments will include a test on lecture contents, oral presentations and a final report on the research outcomes of the project seminar.</p> <p>Students taking this course as a module in the Major "Governance" or in the Major "Earth and Environmental Sciences" are given preference over students who wish to take this course as an Elective.</p>		