

COURSE CODE	COURSE NAME		
BAC.EA1NA.OTEDS.1035	SURVEY OF SCIENCE GEOLOGY		
Credits	EAI Credits 3	/ ECTS Credits 6	
Student Workload	Contact Hours	Personal and/or Team Work	Evaluation
	39	120	6
Teaching Language	English		
Prerequisite	None		
Teaching Period	FALL 2015 Class meets: Wednesday 4:00pm-7:00pm		
Department	Other		
Course Coordinator	Yan GRASSELLI, PhD - yan.grasselli@skema.edu		
Instructor(s)	Laurent CAMERA		
Evaluator(s)	Laurent CAMERA		
Course Description	This course is an introduction to the geology and Earth sciences. We broach different parts of the Earth to understand the main processes which create rocks and structures: rocks and minerals composing the earth, its surface features and the agents that form them, and the dynamic forces of plate tectonics.		
Learning Outcomes	<p>Knowledge and Understanding (subject specific) The student is expected to Understand main Earth processes</p> <p>Cognitive / Intellectual Skills (generic) The student is expected to :</p> <p>Key Transferable Skills (generic) The student is expected to :</p> <p>Practical Skills (subject specific) The student is expected to : Describe an sketch, a photo, a situation, a map...</p>		
Course registered in the process Assurance of Learning AACSB	No		
Student Assessment	Written Examination	Coefficient %	
	Midterms (x2) Final Exam	40% 40%	
Teaching Methods	Continous Assessment		
	Quiz Participation	10% 10%	
References / Books	Lectures Tutorial Sessions Case Studies Autonomous Personal Work		
	Other (explain):		
Web Sites	Required for the course	Recommended references	
	Essentials of Geology (11th Edition) ISBN-13: 978-0321714725-Ed: 11		

Date	Topics
09/09/2015	INTRODUCTION - GEOLOGY SCIENCES & EARTH'S ORIGIN, STRUCTURE
16/09/2015	SEDIMENT AND SEDIMENTARY ROCKS
23/09/2015	IGNEOUS ROCKS AND PROCESSES
30/09/2015	VOLCANOES AND VOLCANIC PROCESSES
07/10/2015	METAMORPHISM AND METAMORPHIC ROCKS & MIDTERM
14/10/2015	Midterm 1
14/10/2015	CASE STUDIES & PRATICAL EXERCISES: THE GEOLOGICAL MAP
21/10/2015	MECHANICAL AND CHEMICAL WEATHERING
28/10/2015	GROUNDWATER
04/11/2015	STREAM, FLOODS AND GLACIERS
18/11/2015	PLATE TECTONICS AND GEOLOGICAL STRUCTURE
25/11/2015	Midterm 2
25/11/2015	GEOLOGICAL HAZARDS
02/12/2015	OIL AND GAS FORMATION, EXPLORATION AND EXPLOITATION
09/12/2015	MINERALS AND MINERAL RESOURCES
16/12/2015	CASE STUDIES & PRATICAL EXERCISES: GEOLOGY & GOOGLE EARTH
	Final Exam
Detailed Schedule	