

Energy Management and Auditing

Module title	Energy Management and Auditing			Module-Code	TBD
Duration	1 semester	Semester	Fall/Spring Semester	Module-Start	1,2,3
Credit points	4 CP	Workload	180 h	Contact hours	48 h
				Individual study	132 h
Module coordinator	TBD			Language	English
Syllabus	<ul style="list-style-type: none"> To know the necessity of conservation of energy To generalize the methods of energy management To illustrate the factors to increase the efficiency of electrical equipment To detect the benefits of carrying out energy audits 				
Learning outcomes	<p>On successful completion of this module, the students should be able to:</p> <ul style="list-style-type: none"> Identify and describe the energy conservation opportunities in industrial Apply energy auditing techniques. Describe the energy rate structures Present energy audit report Examine the economic evaluation of energy conservation solutions 				
Literature	<ol style="list-style-type: none"> Smith, C. B., Energy Management Principles, (Pergamum, 2016) Sonal Desai, Handbook of Energy Audit, (Mcgraw Hill Education Private Ltd., 2015) 				
Form of teaching	Lecture (2Uol) Recitation (2Uol)				
Assessment methods	Individual report + oral presentation				
Associated study program	<i>M.Sc. in Resources and Technology</i> <i>M.Sc. in International Management of Resources and the Environment</i>				
Prerequisites for participation	None				
Requirements for receiving credit points	Passing the examinations				
Grading system	The final grade consists of the academic performance during the module, accounting for 30%, and the module examination accounting for 70%.				