



HÖGSKOLAN I GÄVLE

Environmental Assessment of Buildings 7.5 cr

Miljöbedömning av byggnader 7,5 hp

Set by Faculty of Engineering and Sustainable Development

Version

Set at

Valid from

9/8/16

VT2017

Level	A1N
Education level	Second cycle
Course identifier	MIA000
Credits	7.5 cr
Main field of study	Environmental Engineering
Subject group	Environmental Science
Disciplinary domain	Technology 100.0 %

Learning outcomes After completion of the course the student shall be able to

1. describe the basics for the interaction between buildings, humans and the surrounding environment
2. describe how buildings may affect peoples' health, ecosystems and use of resources
3. explain what life cycle assessment (LCA) is in terms of method and applications for buildings
4. explain which factors that are crucial to the result of an environmental assessment of a building.

Course content The content includes lectures with a broad orientation about the environmental issues in the Swedish building sector and life cycle assessment. Special attention is given to different Swedish and foreign methods for environmental assessment of buildings, with inclusion of LCA.

Teaching Lectures, individual assignment, and project assignment

Prerequisites English language proficiency equivalent to (the Swedish upper secondary school) English course 6/B.
Degree of Bachelor of Science in technology or natural sciences of at least 180 credits, or equivalent foreign degree

Examination	Written examination, written assignment and execution of a project		
Grade	A, B, C, D, E, Fx, F		
Other regulations	Degree criteria for final grade will be given by examiner or course responsible latest at the beginning of the course		
Sustainable environment	The majority of the course content deals with sustainable development..		
Module			
	0010	Written examination	3 cr Grade: AF
	0020	Project	4 cr Grade: AF
	0030	Written assingment	0.5 cr Grade: UG