

Module 17					
Module Name: Building Technology					
Degree Program(s)	B.Sc. in Architecture				
academic year	2012/13				
Course Numbers	ARCH4172				
Course Title	Appropriate Building Technology				
Pre-requisites	None				
Status of Course	compulsory				
Semester	7				
EtCTS Credits	4				
Working Hours (per week)	Lectures	Tutorials & Seminars	Laboratory & Workshop Practice	Home & Study	Total Working Hours
	2	3		2	4
Attendance Requirements	85%				
Teaching & Learning Methods	Studio, Lectures, Seminar, Assignment, Reports, Project				
Course Objectives & Competences to be Acquired	<p>“Appropriate Building Technology” refers to building processes and tools that are appropriate to the climate, socio-economic conditions and natural resources of an area, and which contribute to sustainable development.</p> <p>The result is an “Appropriate Architecture” used for the integration into construction of all the separate technologies and disciplines involved in the research and promotion of sustainable solutions.</p>				
Course Contents	<p>The purpose of the research is to reduce the costs with all related issues, to use building materials of regional recourses (particularly natural building materials), to calculate the embodied energy in building materials and to compare this with common building materials like HCB, concrete or cement, steel etc., to calculate the costs of both possibilities as a comparison and confrontation!</p>				
Basic teaching materials and references	<p>-Chris Abel, Architecture, technology and process</p> <p>Solar House by Terry Galloway</p>				

	<p>-GyulaSebestyebe, Christopher Poling ton ,New architecture and technology</p> <p>- Horie, Materials for conservation</p> <p>-Alternate Energy /http://www.econet.org/awea/</p> <p>- John Warren, Conservation of earth structures</p> <p>- R. Chudley and R. Greene, Building construction handbook: incorporating current building and construction regulations</p>
<p>Assessment/Evaluation & Grading System</p>	<p>50% studio project</p> <p>25 % written examination</p> <p>25 % report</p>