

## AR-505

CODE	SUBJECT	CREDITS
AR-505	ENERGY CONSCIOUS ARCHITECTURE	02
<b>FOCUS</b>		
	Energy efficiency techniques for buildings in various climates.	
<b>OBJECTIVE</b>		
	To introduce students to various aspects of energy efficiency in building.	
<b>CONTENT</b>		
	-introduction to various rating system for energy efficiency. -introduction to ECBC. -introduction to various energy simulation software. -site planning aspects. -application of building materials for energy efficiency. -small design exercise for energy efficient building.	
<b>METHODOLOGY</b>		
	Through class lectures, Presentations, site visits and case studies. Small scale Design Exercise for building material.	
<b>REFERENCES:</b>		
	Design with climate : Victor Olgyay Man, Climate & Architecture : B. Givoni Climatic building design : Donald Watson An introduction to Building Physics : Dr. Narsimhan Climate Responsive Architecture : Krishan A. Wind Towers/ Details in Building : Wiley John Green Architecture : J. Michael & J. Crosbie The new Eco architecture : Porteous Colin Under the sun- desert style in architecture: Moore & Moore The technology of ecological building : Deniels K. Energy performance of building : Biard G. Publications by BEE, New Delhi. Publications for ECBC.	