

# CEBEC

Advanced Curriculum on Energy Efficient  
Buildings in Extreme Continental and  
Sunny Climate in Mongolia

GMIT Report on 12 OCT 2020

Prof. ALTANGEREL Lkhamsuren

Prof. Dr. Daniel Karthe



The literature mentioned last time  
has been uploaded to Google  
Drive:

CEBEC Shared Folder > Year 2020  
> Literature

CHANG, C.; ZHU, N. & SHANG, J. (2017): *The study of occupant behavior analysis of Inner Mongolia in regard to heating energy consumption*. Procedia Engineering 205:915-922. DOI:10.1016/j.proeng.2017.10.122.

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DAMIRAN, N. & FRANK, A. (2018): *Asbestos Consumption in Mongolia: 1996–2014*. International Journal of Environmental Research and Public Health 15(1):136. DOI:10.3390/ijerph15010136

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ZHANG, Y.; XIA, J.; FANG, H.; ZUO, H. & JIANG, Y. (2019): *Roadmap towards clean heating in 2035: Case study of inner Mongolia, China*. Energy 189:116152. DOI:10.1016/j.energy.2019.116152.

At GMIT, we will develop modules for the following study programs:

B.Sc. Mechanical Engineering, \*B.Sc. Mechatronics (MECH)

B.Sc. Environmental Engineering (ENVE)

B.Sc. Raw Materials and Process Engineering (RMPE)

B.Sc. Industrial Engineering (INDU)

\*B.Sc. Energy and Electrical Engineering (ENER)

MBA International Management of Resources and the Environment (IMRE)

\*M.Sc. Resources and Technology (RTEC)

All available module handbooks (except for \*new programs) have been uploaded to Google Drive (CEBEC Shared Folder > Work Package 2 > GMIT Module Handbooks)

<b>Module</b>	<b>Compulsory</b>	<b>Elective</b>
NEW: Renewable small scale energy production for buildings		All programs
NEW: Solar energy		All programs
UPDATE: Energy Systems	ENER, ENVE	MECH, RMPE, INDU

Module	Compulsory	Elective
NEW: Energy audit, Energy regulations and Energy management <b>** to be replaced by a modelling related module **</b>		
NEW: Energy Economics and Market Development		RTEC, IMRE
NEW: Modelling with MATLAB	RTEC	IMRE

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