

A Briefing on European Masters Program & Workshops

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Presented on behalf of Hochschule Anhalt (FH), FB Architektur, Facility Management und Geoinformation, Dessau, Germany. Information provided by Hochschule Anhalt(FH).



FB 3 Faculty of Architecture, Facility Management and Surveying

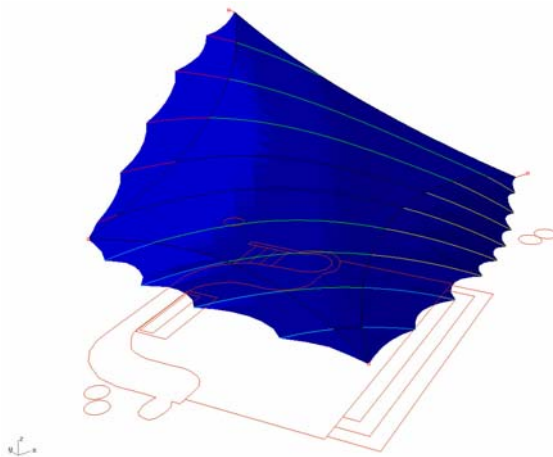
Membrane Structures

Master Membrane Structures

Since the beginning of the fifties of the 20th century numerous buildings were calculated and designed as textile constructions.

These textile and pneumatic constructions, cable nets in different sizes and in connection with conventional constructions created a various number of possibilities to build. Compared to conventional construction the shape of textile constructions has to be "found" with physical modeling or with computational form finding.

Therefore it is important to understand the interaction of the physical basic conditions like shape, structure, load, energy and function.



Aim of the study course

The lecturers, international specialists in the field of textile constructions, impart knowledge and proficiency to the students so that they are able to design, to calculate, to detail, to build and to keep textile constructions. The special economical and forensic basic conditions will also be integrated.

With successful conclusion of the study course the academic degree Master Membrane Structures will be given.

Admission requirements

- Bachelor or Master degree in Architecture,
- Civil Engineering and Surveying, or comparable academic programs of a minimum number of 6 semester study period
- at least one year of professional experience
- work examples (paper or volume)
- certificate of language skills (TOEFL or IELTS is not necessary)



Duration of the study course

The study course is an international distant learning course which is held parallel to professional life. The lectures will be held in English language only. That's why interested people from all over the world have the possibility to participate in the master course. The standard period of study is four semester. It consists of three terms each containing one week-long phase of attendance and additional support via internet for the phases of distant learning. The fourth semester is dedicated to the master thesis.

Tuition fees

The participation in the study course costs the whole amount of 6000 EUR.

Schedule of the study course

Semester 1

Module	90 minutes lectures		Credits (ECTS)
	attendance time	home seminar	
MM 1 Architecture	9	14	4
MM 2 Numerical Theory	9	14	4
MM 3 Membrane Program	9	14	4
OM 1 Optional Module	9	14	4

Semester 2

MM 4 Structural Design and Detail	9	14	4
MM 5 Mechanical and Physical Properties	9	14	4
MM 7 Project Management	9	14	4
OM 2 Optional Module	9	14	4

Semester 3

MM 6 Dimensioning	9	14	4
MM 8 Internship Theory – Fabrication and Built up	9	Internship	5
OM 3 Optional Module	9	14	4

Semester 4

Master Thesis and Colloquium		Thesis	15
		Colloquium	2

Profession

The occupational area of the Master Membrane Structures comprises of numerous tasks with the following focal point:

- form finding and visualization
- structural design and dimensioning
- patterning and material requirements
- project management and project supervision

Therewith the graduates will be able to work in engineering companies which work in the field of membrane constructions.

Contact

The IMS e.V. – Institute for Membrane and Shell technologies, associated institute of the Anhalt University of Applied Sciences, is responsible for organization and advice of the study course.

Hochschule Anhalt (FH)
IMS e.V. Prof. Dr. Robert Off
FB Architektur, Facility Management und Geoinformation
Bauhausstrasse 8
06846 Dessau

Study course expert advisor

Prof. Dr.-Ing Robert Off
E-mail: robert.off@membranestructures.de

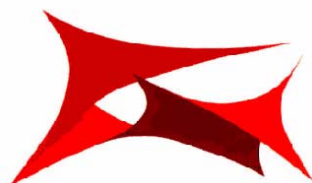
The **application documents** you will receive from the IMS e.V.

Hochschule Anhalt (FH)
IMS e.V. Prof. Dr. Robert Off
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or from the website
<http://www.membranestructures.de>

Request

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IMS e.V