

International Master's program at Hof University:

Sustainable Water Management as Solution to one of the most Vital Questions of Humankind

Hof, 12.02.2020 – The demand for high quality water is growing constantly and the challenges for the international water industry arising from climate change are getting ever more complex. Without a doubt: the availability of water in the most diverse places in the world is one of the most pressing future questions of humankind. With the new Master's program in Sustainable Water Management (starting in October 2021), Hof University offers a unique qualification linking management and technology skills while also integrating sustainability and digitalization. Graduates have numerous job opportunities in a growth sector.

The new Master's program „Sustainable Water Management and Engineering“ is targeted at students with a Bachelor in Engineering who are looking for an additional qualification with social and environmental relevance:

Sustainable solutions to combat climate change

“We want to qualify a brand-new generation of engineers and managers. Systemic thinking with multi and interdisciplinary skills is the basis for a sustainable and future-oriented water industry – a sector that is significantly influenced by the complex challenges arising from climate change. To meet these challenges with innovative and sustainable solutions is the overall goal of our teaching”, states Prof. Dr. Manuela Wimmer, Head of the new Master's program completely taught in English. The core task in the water sector is, according to Prof. Dr. Manuela Wimmer, to adapt the existing systems, concepts and technologies in the public and private water management to the ongoing changes, or even to establish new ones.

Unique link to digital solutions

The new Master's program at Hof University has a unique focus on digitalization. Although both nationally and internationally, a few interdisciplinary study programs on water management exist (e.g. in U.S.A., Canada, Spain or Sweden), the new Master's program at Hof University is unique: “Without the aspect of digitalization, sustainable water management can hardly be realized in the future. Therefore, we place a lot of emphasis on the question of how to tackle the upcoming challenges with digital technologies”, state both Prof. Dr. Dr. h.c. Jürgen Lehmann, President of Hof University, and Prof. Dr. Manuela Wimmer.

Interdisciplinary teaching as basis

The Master's program is based on a multi and interdisciplinary teaching concept. Topics like sustainability and risk management are interconnected with resource management, water treatment, water circulation and sewage disposal. In addition, knowledge on digitizing technology and aspects of social responsibility play a vital role. Thus, students acquire versatile analytical and method skills as well as problem solving expertise and evaluation competencies.

Cooperation with many relevant parties

The Master's program requires a first degree in engineering or business with a focus on environmental or water issues. "Professional experience in the water sector is an asset. In any case, close cooperation with innovative companies, public authorities and research institutes is integral part of the program", says Prof. Dr. Wimmer.

Social and ecological components

Theory and practice are closely linked e.g. through group projects in companies. "Research projects, case studies and the Master's thesis are ideal for linking up the three dimensions of sustainability: economic efficiency, social responsibility and ecological compatibility", points out Prof. Dr. Wimmer.

Excellent job perspectives

Graduates of this Master's program have excellent job perspectives: "The job profile of a sustainability manager with focus on water or a water engineer with focus on sustainability and digitalization is already in great demand today – just think of all those innovative companies, research institutes or public authorities that are potential employers. Our graduates are also qualified to work as project engineers, experts and appraisers. One thing is clear: with the growing challenges in water management, the demand for multi and interdisciplinarily qualified experts will increase", states Prof. Dr. Manuela Wimmer who is active expert in many networks of the water sector.

Apply now!

The Master's program „Sustainable Water Management and Engineering“ starts in October 2021 at Hof University. The application portal opens from April 15, 2021. Further information can be found here:

<https://www.hof-university.com/studying-in-hof/full-time-programs/master/sustainable-water-management-and-engineering-meng.html>

Keywords

Water is life

Water is futur

Master´s degree

Tackling climate change

Food-Water-Energy-Nexus

Water reuse systems

Water resource management

Integrated water management

Smart water

Innovation

Digitalisation

Environment
Master Water
Sustainability
Increased water use
Increased water demand
Digital expert for water
Management
Future-proof water management
All-time skills
Climate change is water change
Water system
competence for the future of water
Fridays for future
Water science
Water engineering
Water management
Water policy
Water problem
Solution
Water resources
resilience
Technical and methodological skills
Protection
Water security
Government
Risk analysis
global interdisciplinary contexts
Technology, ecology, economy, administration, authority, society