

Summer Schools

Daneshpajooan Pishro Higher Education Institute

Summer Schools are short courses held in lots of countries in the world, usually during June to August. To acquaint students and instructors further with modern educational systems, new course topics, and up-to-date skills, DHEI has been making new grounds to introduce and help the interested participate in summer schools, especially in Germany. This set of activities in the institute began in 2009.

The courses in which students and instructors have so far been able to participate are as follows:

Bauhaus-Universität Weimar: Summer Schools



1) Express Yourself! Experimental Painting

This course mostly focuses on presenting skill knowledge based on art in practical workshops. In a 2-week period, students learn how to use (acrylic) colors, brushes, and techniques of imaginary painting through concentrated and practical methods, in order to enhance their skills in the mentioned fields. In addition, using this form and their observations (of nature or the city for example), they learn new techniques to use colors and how to express themselves. Furthermore, they become acquainted with sample works, artistic styles and contents of Bauhaus artists, leading to a final art show of the works of the students.

2) Urban Performances

During this course students get acquainted with the ongoing issues of urban and social life through artistic interventions and shows in the city of Weimar. The audience becomes familiar with urban planning decisions on site in an effective way, based on their physical perception.

Daily urban routines such as walking, standing and sitting that form the atmosphere of urban spaces are chosen as the starting point of recognition; based on which the audience uses artistic cognition methods (mental image, paintings, audio recordings, interviews, etc.) and their personal perception to analyze and study the environment. Along with the practical activities of the course, students become familiar with sociological aspects of the subject too. During this two-week course every participant presents their performance or intervention in public spaces or realizes and develops their general urban plan.

3) Design Elements and Principles

In the first section we work two- and three-dimensional, black & white, with paper, cutter, pen, light and the elements dot and line. It is about simple abstract exercises for the perception of the effects of design principles. In the second part you will learn to create visual movement and interaction with computer. In analogy to a Bauhaus teaching method we integrate short-time body movements. Works of Bauhaus artists from media or stage will inspire you for the last section: designing an own visual moving story about elements and principles as a picture, object, a series, animation, performance or similar.

Aims of the course are learning and exercising design skills, interdisciplinary work with design elements and principles, limitation, broadening of creative thinking and experience of experimental work in the context of Bauhaus.

4) English Communication Skills

This intensive language training program is an effective method to learn English in small groups. Courses will be taught by native-speaking instructors from Great Britain, the USA, Australia, New Zealand or Canada. This course is presented in 2 formats, 50 hours in two weeks or 100 hours in four weeks. The program is a proper way to prepare for a degree program or internship abroad. The goal of these language courses is to help you improve your listening, reading, writing and speaking skills, which strongly emphasize active communication in the foreign language.

5) Deutsch in Weimar

On this course you will join students from all over the world as you develop your German skills for use in a variety of contexts. This intensive German course will enhance your CV and offers you a unique intercultural experience as well. This course will help you make rapid progress at improving your German language skills at speaking, writing, listening and reading, and will build up your vocabulary and strengthen ability to communicate actively and confidently in German.

Jade University of Applied Sciences, Wilhelmshaven, Germany



Jade University of Applied Sciences located in northern Germany offers educational course programs for Mechanics and Biomedical Engineering. These courses include 'Fluidic MEMS', 'Designing Devices for Healthy Ageing', and 'Biomedical Engineering'.

The Department of Engineering Sciences and the International Office of Jade University offer a three-week summer school on Fluidic MEMS.

This course focuses on microfluidic systems, which are a subtopic of Micro-Electro-Mechanical-Systems (MEMS) concentrating on handling small amounts of fluids. The first part of the course covers basics from a physical and technological point of view. The second part continues with the design, calculation and simulation of microfluidic chips.

The focus of the course is on the engineering point of view for micro fluidic applications especially. The course content is explained using examples and will be directly applied in a project. During this project an analytical standard procedure is transferred to the micro scale and realized as a microfluidic chip. This project includes designing, producing and testing the chip.

Another course offered by the Department of Engineering Sciences and the International Office of Jade University, Designing Devices for Healthy Ageing, is a 3-week course in the field of biomedical engineering. This course focuses on the field of healthy ageing, which will be a huge challenge in the near future of mankind.

The aim of the course is to provide an introduction to the multidisciplinary field of biomedical engineering by examining the development of medical devices, electronic systems, biosignal processing and human aspects, by means of lectures, lab work, and field trips. Another key learning outcome of this course is provided by the interaction of the international student body in group-based projects, poster preparation sessions, and organized social activities.

Designing Devices for Healthy Ageing is offered in three groups:

- A. Medical Electronics and Image Processing
 - B. Basics of Medical Devices
 - C. International Project Management and Nanotechnology
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The third course, Biomedical Engineering, covers two course lanes focusing on “Basics of Biomedical Engineering” and “Biomedical Signal and Image Acquisition, Processing and Analysis”.

The aim of the course is to provide an introduction to the multidisciplinary field of Biomedical Engineering by examining the basics of the development of medical devices in general. Focusing on applications for medical technologies, biosensors and their electronic systems, biosignal and image processing and the simulation of biomechanics, the contents are developed in lectures, lab work and field trips.

University of Applied Sciences Erfurt, Erfurt, Germany



Every year University of Applied Sciences Erfurt offers its summer courses which concentrate on Tourism Management, in a period of 10-12 days. During this course students are introduced to new related viewpoint, and the topics are presented in an interactive environment.

Technische Hochschule Ingolstadt, Germany

‘Automotive Engineering and Management’ summer school course is held in Technische Hochschule Ingolstadt annually which focuses on hybrid vehicles and is offered in the format of practical workshops and field trips in the museums of Audi, Mercedes Benz, BMW, etc.

The main topics of this course include: introduction to vehicle design, new trends in vehicle movement, the challenges and viewpoints of automotive industry, and electronic vehicles.

