青島理工大學
QINGDAO UNIVERSITY OF TECHNOLOGY

QUT 2022 – Major Camp Program

July 18th–29th, 2022

Qingdao University of Technology (QUT) is committed towards increasing international presence and building its role in the global education landscape. Being a flagman university we pushed the boundaries of knowledge, transformed the academic experience and nowadays we are a comprehensive university mainly focusing on Engineering, coordinately covering other spheres as Science, Economics, Management, Literature, Law and Arts.

Administered by QUT, the camp program is a professional program that can help the international students from QUT's partner institutions to experience study and research life at QUT **FOR FREE**. Participants of this program are expected to explore the best majors of QUT: Civil Engineering, Architecture, Mechanical Engineering and Environmental Engineering. From July 18th to 29th, the students will listen to five lectures, each of which is about 2 hours and a half. After submitting a qualified essay about what he/she has learned, the student will get a certificate from QUT. All the lectures are made in **ENGLISH** as following:

Lecture 1: Qingdao and QUT

Qingdao, characterized by “red roofs nestling in green foliage”, is a beautiful seaside city located in the southeast of Shandong Province. It is steeped in rich historical and cultural heritage and is widely recognized as a cradle of Taoism. Qingdao is also an Olympic city and China’s “Sailing Capital”. It was the venue for sailing competition of the Games of the XXIX Olympiad and the XIII Paralympic Games in 2008.The lecture will give a brief introduction to China, Qingdao City in the respects of history, economy, culture, conventions, sports, education, etc. In addition, it will introduce the schools, academics, international cooperation and campus life of Qingdao University of Technology.


Lecture 2: Infrastructure Made in China

The rapid development of civil engineering in China is remarkable, and China is called ‘a great infrastructure builder’. The lectures will introduce the state-of-the-practice and recent advances in large-scale civil engineering in China. How is the neutron imaging technique successfully used in exploring the durability of marine concrete? What is the development and application of steel structures in China? Which new technology and theory have been applied on the landslide and slope engineering and underground space engineering? Why do we say Polyurea technology in China was born in Qingdao? Have you seen the construction of the long span Chinese bridges? The lectures will show us the great achievements of civil engineering in China.


Lecture 3: Water in China

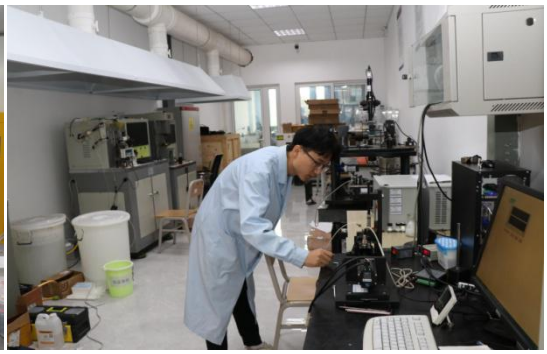
The history of China is actually the history of Chinese water. From 4000 years ago King Yu combating the flood to the present projects Three Gorges Dam and South-to-North Water Diversion, Chinese people's attitude changed from living against the water to living with the water. How is water distributed in China? Where is the water source for making Qingdao beer? What will a drop of water experience before its arriving to the residents' tap? Is there any difference between Chinese water with your country's water? This lecture will tell you a story of Chinese water.


Lecture 4: Beautiful City, Beautiful Life

Human settlement is a community in which people live. Human settlement is also a place where memories are kept, including wisdom of urban construction, life on the street and evolution of urban landscape. Qingdao, the city we live in, is rated the most livable city in China. How did Qingdao expand, from a small fishing village to a modern international metropolis? How might we theorize and historicize modern Qingdao streets as sites of cultural memory and nostalgia? How does the coastal landscape connect old town and new town of Qingdao? This seminar will take you through history and discuss "beautiful city and life" from three different levels – city, streetscape, and landscape.


Lecture 5: Intelligent and Green Manufacturing in China

Established in 1958, mechanical Design, Manufacturing and Automation is a traditional advantage major of Qingdao University of Technology (QUT) and a national first-class undergraduate program. The mechanical engineering discipline on which this major relies has strong strength, outstanding innovation achievements and a complete talent training system consist of bachelor degree, master degree and doctor degree. The major is Based on international academic frontiers and guided by national strategies, regional and industry development needs, the major has eight characteristic research directions: green machining precision and micro-nano increase material manufacturing, tribology and surface technology, green laser intelligent manufacturing technology, 3D printing and micro-nano manufacturing, intelligent information processing and mechanical state diagnosis, acoustic technology and intelligent control, intelligent visual and industrial AR, metallurgy and carrier equipment dynamics and direction of energy-saving control.

The registration deadline is June 30th, 2022. And due to the ongoing COVID-19 pandemic, the schedule may be adjusted according to the requirements and needs.

Please contact your school's international office, sponsoring agency, or email us (admission@qut.edu.cn) for more information about the program.