

Tsinghua University
International Students & Scholars Center,
Short-term Study Office

Tel.
+86-10-62773076

Fax.
+86-10-62771134

E-mail.
experiencing-china@tsinghua.edu.cn

Website.
summer.tsinghua.edu.cn

Tsinghua University
www.tsinghua.edu.cn

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TSINGHUA
INTERNATIONAL SUMMER SCHOOL
- EXPERIENCING CHINA

JULY 16 - 27, 2018

感知中国
清华印象
暑期学校




清华大学
Tsinghua University


EXPERIENCING
CHINA 2018



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TSINGHUA
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EXPERIENCING
CHINA 2018

WELCOME TO TSINGHUA!

Dear future global leaders:

Come join us this summer at Tsinghua University in Beijing to gain a window into the world of China. Explore the diversity of this vast nation, to decode China's unique situation and aspirations, and develop links with China and the world. This summer's experiential learning program at Tsinghua will help to sharpen your global vision and foster vital leadership skills for the future.

Come join us to embrace the world through meeting more than three hundred of the brightest talents from around the globe. Let's together explore China in the world and the world in China, and engage with many interconnected challenges and opportunities facing China and the world – economic, environmental, educational, political, social, historical and cultural.

Come join us for a summer in one of China's most innovative, dynamic, and historical cities. In this unique space and place you will never run out of things to see, do and enjoy.

So if you want this summer to be extraordinary, come join us!

SHI Yigong / Vice President

Tsinghua University



“

The Experiencing China programme certainly delivered on its promises. We learnt much we never knew there was to be learnt, but were delighted to balance it out with newfound skills in Chinese calligraphy, incredible visits to temples and monuments, and learnt about six Chinese words between us. We'd urge anyone interested in China to look out for the programme next year and make the very most of it!

”

Ben Lavelle and Millie Powell

University of Oxford
Experiencing China 2017



ABOUT THE PROGRAM

Packed into two exciting weeks, this summer program opens up to you the fascinating and diverse world of China. Guided by a standout team of experts in their field, you will be taught how global issues play out in the Chinese context through interactive classes and panels. With 13 special China-focused tracks to choose from, you can hone in on your specific academic interest including Economy, City Development and Environment, Innovation, Education, and Humanities, etc.

Today's dynamic China cannot just be understood from the classroom. That's why this summer program emphasizes really experiencing China, through excursions and on-site trips. Alongside this, students are given the opportunity to gain insight into Chinese culture and the Tsinghua spirit through various cultural experience activities.

With the summer school's 300 strong international cohort you have the wonderful opportunity to make new friends from all corners of the globe. You will gain skills in cross-cultural communication, a key skill required for tomorrow's future leaders, and also sharpen your interdisciplinary mindset.

After successfully completing the summer school, students will receive an official transcript and two academic credits from Tsinghua University.

Check out a video of Tsinghua International Summer School - Experiencing China at Tsinghua University's Youtube Channel: https://youtu.be/QD_enyZlwA0

GLOBAL COMPETENCE



Global Competence education has been incorporated into Tsinghua University's education philosophy since 2016. The Experiencing China summer program is also designed with the goal to foster global competence through creating an intensive international, inter-cultural and inter-disciplinary learning environment.

01

World Culture & Global Issues

Gain a basic understanding of world history, geography, economy and society. Understand diversity in cultures and political systems of different countries.

Keep abreast of current international affairs. Be familiar with major issues including sustainable development, global environment, energy, and economy. Understand the importance of interdependency and cooperation of all mankind.

02

Language

Be able to express oneself in one's native language and at least one foreign language. Be able to exchange professional ideas with peers from different backgrounds.

Develop excellent foreign language skills to understand and appreciate foreign cultures.

03

Openness & Respect

Embrace new adventures with curiosity and an open mind. Hold no prejudice against personal, regional and cultural differences. Develop empathy with others.

Face ambiguity and uncertainty at ease. Respect others and their rights. Adapt perceptions, emotions and behaviors to new situations and contexts.



04

Communication & Collaboration

Be able to interact and communicate with people from different cultural backgrounds. Engage constructively in social and professional activities.

Be capable of solving conflicts when needed. Develop global awareness and coordination ability. Develop team spirit and be competent as a team leader.

05

Self-awareness & Self-confidence

Understand and recognize deeply one's own cultural heritage, worldview, and unique personality. Learn through continuous self-reflection. Keep cultural and personal confidence.

Trust one's abilities and what one can achieve. Build up courage and willingness to express oneself in front of others.

06

Ethics and Responsibility

Uphold integrity and comply with cultural norms and professional ethics. Act adequately and appropriately in different scenarios.

Have a strong sense of responsibilities for the sustainable development and the civilization improvement.

COURSE CONTENT

In alphabetical order

*The course is made up of 13 key tracks.
We encourage participants to choose one track for his/
her project. Each track will be led by an academic tutor
for in-depth exploration.*

01

Architecture

*Understanding Chinese society and history from the
angle of the built environment*

The focus of instruction will be placed on providing an overall introduction of the physical built environment, with various building types explored, including the renowned Forbidden City and Tsinghua's modern campus design by American architects in the early years of the twentieth century. We will also investigate the social and historical backdrops in which the buildings were embedded, and what their stylistic evolution can tell us about Chinese people, Chinese history and the Chinese way of life. The country's architectural style is inseparable from the broader context of Beijing, the capital city since 1421 (early Ming dynasty), and will thus be used as an example for both lectures and field sites.



02

Chinese Geography

The unique landforms of China nurtured a unique people. What are the special geographical features that contributed to the creation of the unique forms of culture and society in China? In this course we try to answer this question. The lectures will include an introduction to the historical geography of China including the growth of the region's early tribes and how their interactions shaped a myriad of aspects including population growth and migration, settlement, agriculture, commerce, political administration, philosophy and religion, most of which are uniquely Chinese. The modern geography of China will then be introduced, including physical, economic, and globalization-related aspects. Students will have the opportunity to visit several museums on paleo-environments, plants, animals, and anthropology and interact with field experts. Additional field trips will be organized in the vicinity of Beijing to deepen students' understanding of China. Students will create essays and participate in class discussion on how Chinese geography intertwines with the nature of its social, economic, and cultural development.

03

Chinese History

This is the track for students who wish to explore and understand China's rich and long civilization. The track sees four Chinese dynasties (Zhou, Qin, Han and Tang) selected to highlight the key developments of Chinese civilization. and with the help of exhibits in museums the spirit of Chinese civilization will be uncovered. The teaching of small number of cultural sites and exhibits with the broad analytical perspectives will help students to understand and sensitize the time spirit of four dynasties. The idea behind this course is to be able to see a dynasty within its cultural relics.

04

Creative City

The City as a living lab

From the perspective of sustainable development, we consider the city as a living lab, which provides an innovation and incubation platform for creative and cultural industries. A creative city should foster creativity among its citizens and provide emotionally fulfilling places and experiences for them. This track



will provide opportunities for students to explore the creation, production, distribution and dissemination of cultural activities, goods and services, get in touch with creators and professionals in the cultural sector, access and participate in cultural city life and greater understand the role of culture and creativity in urban sustainability. Students will explore the DNA of a creative city through field research and interviews, develop solutions and report as a team for discussion, design thinking workshops and project practices. Design experts, media artists, curators and creative entrepreneurs will also share their knowledge and deep insights about creative cities through specific lectures and on-site guidance.

05

Education

Education is China juxtaposes the traditional and modern, local and global. The education track in Experiencing China 2018 explores education as a window to understand China and its sustainability. The central themes seek to define "education" in the Chinese context and address the role of "examination" in Chinese education. The investigation methods involve lectures, discussions, library study and fieldtrips to

campuses, cultural centers, leading enterprises as well as the Beijing Confucian Temple and Imperial College. The education track aims to closely interact with other tracks in Experiencing China 2018, specifically history, geography, architecture, women's studies, innovation and entrepreneurship.

06

Entrepreneurship

This course introduces students to the nature of business and entrepreneurship in today's China, and explores the role of government, enterprises, and research institutions/universities in our fast developing society. It gives students the chance to engage with leading experts, professors and industry experts to gain fundamental knowledge of the Chinese business development and the entrepreneurship environment. At the end of the program, students will be able to apply their newfound entrepreneurial skills in solving real-world case studies, and to showcase business solutions to key professionals and fellow students from the Tsinghua community.

07

Environment

China is now the world's second largest economy, the largest consumer of coal, the second largest consumer of oil, and the largest emitter of CO₂. Rapid economic growth over the past three decades in China relied heavily on coal - not heading in the right direction for a future sustainable development model. Understanding China's energy and environmental challenges requires knowledge of a complex web relating public policy, economic



growth, energy use, environmental science and the global climate system. The themes of this track will cover clean energy, air pollution, wastewater management as well as climate change. More importantly, the two-week program offers students a unique opportunity to use creative thinking and innovation to explore solutions to China's environment challenges.

08

Industry Frontiers

The Centers of Digital Capabilities in China

China's economic and social dynamics are being accelerated forth rapidly by digital infrastructure. We will take students to visit some of the centers of digital advancement in China. Due to the extensive usage of WeChat and Digital Payment systems, including the adoption of Blockchain related digital-trust technologies, many new opportunities and challenges have arisen that change the way people live in China today. We will take students to visit local tech companies, such as Huawei, Alibaba Cloud, and other related digital providers. Our module will focus on the digital capability aspect and help students explore China, both by visiting relevant enterprises, government institutions, and experience using these computational and telecommunication tools, in ways that are only practical to be done so here in China.

A new feature of 2018 Experiencing China program is that we will particularly welcome and invite student teams that have been working on an investigative report or who have been working on creating some technical products or services to join the summer program as a team. Teams with a clear product or service focus, or with prior work-related experience in industry frontier research in China, will be given higher priority in joining this program.

09

Innovation

China is becoming an innovation super power. The course serves as an introduction to the perspective

that innovation is the vital aspect and the most important driver of technical and institutional change in China, which in turn shapes the economic growth and development of businesses, cities, regions and countries. The module will shed light on China's innovation performance, China's innovation environment, and innovation strategies and management approaches in related industries. Students will also have chance to visit some leading Chinese innovative enterprises, and explore the important role of the Chinese market and government in this transition.

10

Online Education

Online education has developed rapidly in China. Since 2013, China has built more than 10 MOOC platforms, more than 460 higher education institutions created over 3200 MOOCs with 55 million enrollments, and 6 million university students obtained credits from MOOCs. This course will teach students the theory behind online learning in the China context and how the industry has developed. This will be explored both through lectures and workshops with experts and also through field work at a number of online education start-ups.

11

Tomorrow's Youth

Children are the future and today's children are growing up facing rapid change, global challenges and a highly interconnected world, all of which affect their future prospects. We want to build a future where learning through play empowers children to become creative, engaged, lifelong learners. The two-week program offers students a unique opportunity to explore solutions for the real challenges faced by children through design thinking and Project Based Learning. We will experience a series of highly interactive workshops and dive deep into the following questions: Can we design creative

pedagogies, learning tools, and strategies for students to succeed in the Chinese education system? How can we help to eliminate bullying at schools? Can we create a more child-friendly internet? Can we prepare children for a more sustainable way of development and cultivate them into responsible global citizens in order to help fight the growing issue of rubbish and waste in China?

12

Urbanization

China is now experiencing extremely large and rapid urbanization, which, accompanied with industrialization, informatization and the modernization of agriculture has brought tremendous socio-spatial transition for both urban and rural areas. Having achieved great accomplishments, China is now standing at a crossroads, facing key issues of social inclusiveness and sustainability. Through describing and understanding both big data and detailed cases, we will step into urban and rural communities, experiencing and reflecting on real life, expectations and severe challenges. The city center of Beijing, its suburbs and outlying villages will be taken as a leading example.

13

Women

Gender Studies and Chinese Women's Development

Women's development reflects the social progress of contemporary Chinese society. This course on gender studies introduces a unique and critical perspective for innovative thinking in the context of cross-culture and cross-disciplines. It will discuss the fundamental theories and methodologies of Gender Studies, particularly by integrating gender perspectives into Chinese traditional ethics and Western philosophy. By applying the methodologies of Gender philosophy, Chinese women's development will become the key hotly debated issue for this track.

DISTINGUISHED SPEAKERS



Prof. SHI Yigong (tentative)

Vice President of Tsinghua University, Cheung Kong Scholar, National Natural Science Foundation of China Outstanding Young Scientist, Academician of the Chinese Academy of Sciences, fellow of US Academy of Arts and Sciences, and fellow of US National Academy of Sciences.

His laboratory combines structural biology, biochemical and biophysical approaches to elucidate the molecular and chemical basis of fundamental cellular events. His research has provided important insights into programmed cell death and regulated intramembrane proteolysis. His pioneering research on caspase activation, inhibition, and depression markedly advanced mechanistic understanding of programmed cell death. He is a world leader in the structural biology of cell signaling and macromolecular assemblies. For his research contributions, he received a number of recognitions, including the 2003 Irving Sigal Young Investigator Award from the Protein Society, the 2010 Sackler Prize in Biophysics, and the 2014 Gregori Aminoff Prize from the Royal Swedish Academy of Sciences.



Prof. GONG Peng

Professor and Chair of the Department of Earth System Science, and Dean of the School of Science, Tsinghua University.

Before joining Tsinghua, he taught in the Department of Geomatics Engineering at the University of Calgary (Canada) between 1991 and 1994, and in the Department of Environmental Science, Policy and Management at the University of California, Berkeley (USA) between 1994 and 2015. In 2000, he founded the International Institute for Earth System Science at Nanjing University (China) and in 2004, he served as the founding director of the State Key Laboratory of Remote Sensing Science. Since 1995, he has been conducting research on mapping and monitoring global environmental change using satellite and ground based sensors, and modeling of environmentally related infectious diseases. He is the author/co-author of over 500 articles (including 300 SCI articles with more than 10000 citations) and 7 books.



Prof. LI Jinliang

Associate Professor in Finance at School of Economics and Management, Tsinghua University; Dean of the Office of International Cooperation and Exchange, Tsinghua University.

His research interests include financial markets and risk management. As Deputy Secretary General at the National Supervisory Committee of Postgraduate Professional Degree Education in Business Administration, he serves for the development of business education in China.



Prof. XU Yingqing

Cheung Kong Scholar, Chair Professor; Director of the Future Lab, Tsinghua University.

His research interests include user natural experience design, human computer interaction, immersive perception and interaction, tangible perception and interaction, and e-heritage. He is a member of ACM (Association for Computing Machinery) and ACM SIGGRAPH, a member of Chinese Artists Association, a Senior Member of IEEE (Institute of Electrical and Electronics Engineers), and a Distinguished Member of CCF (China Computer Federation).

TUTORS

In alphabetical order

CHENG Gang

Associate Professor, Department of History, Institute of Humanities, Tsinghua University

His research interests involve History of the Chinese Thoughts (Ming and Qing dynasty), International Sinology and university humanistic education.

FU Zhiyong

Associate Professor of Information Art and Design Department, Academy of Arts & Design, Tsinghua University

His research interests involve information and interaction design, service design, social innovation and smart city design. He is the initiator of the Design & Technology Entrepreneurship Workshop and Design Partner Project at Tsinghua University, and he is dedicated to integrating a “maker” culture and methodology into innovation and entrepreneurship education and practices.

GONG Peng

Professor and Chair of the Department of Earth System Science, and Dean of the School of Science, Tsinghua University.

Before joining Tsinghua, he taught in the Department of Geomatics Engineering at the University of Calgary (Canada) between 1991 and 1994, and in the Department of Environmental Science, Policy and Management at the University of California, Berkeley (USA) between 1994 and 2015. In 2000, he founded the International Institute for Earth System Science at Nanjing University (China) and in 2004, he served as the founding director of the State Key Laboratory of Remote Sensing Science. Since 1995, he has been conducting research on mapping and monitoring global environmental change using satellite and ground based sensors, and modeling of environmentally related infectious diseases. He is the author/co-author of over 500 articles (including 300 SCI articles with more than 10000 citations) and 7 books.

GU Xueyong (Ben Koo)

Associate Professor in Industrial Engineering at Fundamental Industry Training Center (iCenter), Tsinghua University

He has ten years of experience in university teaching and mentoring. His research is conducted in both industrial and academic setting. Regarding the information technology sector of industrial development, he specializes in architectural planning, information system integration and mission-critical software development. He is the founder of extreme learning process (XLP), an award-winning methodology for managing knowledge in a very large crowd.

HAO Jie

Lecturer, Department of Innovation, Entrepreneurship and Strategy, School of Economics and Management, Tsinghua University

Her current research areas include: family business, returnee employability and entrepreneurship, and female professionals' career development. She received her B.A. from Monash University, and completed both of her Ph.D. and Masters programs at the University of Sydney.

LI Jizhen

Associate Professor of Department of Innovation, Entrepreneurship and Strategy, School of Economics & Management, Tsinghua University

His research interests include management of technological innovation, science & technology policy, project management, and SMEs Innovation and Entrepreneurship. During the past several years, his research mainly focus on technology-bases SMEs in China, generic technology and innovation platform, and technology transfer in Tsinghua.

LIU Jiayan

Associate Professor of Department of Urban Planning School of Architecture, Tsinghua University

She has long engaged in the interdisciplinary research of spatial planning and sociology. Her research interests include social planning in urban-rural planning, community planning and housing studies, sustainable urban regeneration, and urban public space planning. She held visiting fellowship at London School of Economics and Political Science, University of Amsterdam and University of New South Wales. She was also a postdoctoral fellow at Tsinghua Univeristy's Department of Sociology, School of Social Sciences. She is not only an educator and researcher, but also an urban planner.

LIU Yishi

Assistant Professor in Modern Chinese Architectural History at the School of Architecture, Tsinghua University

He publishes widely on modern Chinese city planning and architectural styles from comparative and global perspectives, architectural communication between the West and the East, and theories and practices of architectural preservation. His recent research interest is in Beijing's modern architectural development since 1950s.

LU Xi

Associate Professor in School of Environment, Tsinghua University

His research interests emphasize study on the technical, economic, and environmental dimensions of low and zero carbon energy sources as a means to reduce greenhouse gas emissions (GHGs) and air pollutants. His primary research area concentrates on modeling complex systems in the fields of renewable energy, environment and climate including resource assessments for wind and solar power, complementary effects of wind, solar and hydro power and the benefits for grid integration, energy storage, emission inventory of GHGs and air pollutants, as well as urbanization and energy systems.

XIAO Wei

Professor in Philosophy and Gender Studies

Director of Center for Ethics and Gender, Tsinghua University

Her research interests involve ethics, gender studies and bioethics (Public Health Ethics). She is a board member of The International Women Philosophers Association and the Deputy Secretary-General of China Women's Research Association.

XU Yingqing

Cheung Kong Scholar, Chair Professor, Director of the Future Lab, Tsinghua University

His research interests include user natural experience design, human computer interaction, immersive perception and interaction, tangible perception and interaction, and e-heritage. He is a member of ACM (Association for Computing Machinery) and ACM SIGGRAPH, a member of Chinese Artists Association, a Senior Member of IEEE (Institute of Electrical & Electronics Engineers), and a Distinguished Member of CCF (China Computer Federation).

YU Shijie

Professor, Director of Online Education Office

He has long been devoted to the research of the 'informatization' of education, online education and education assessment; focusing on the deep integration between information technology and higher education. He possesses a great deal of practical experience, and has led Tsinghua forward in its overall development of online education. In China, Tsinghua is a leader in terms of the size of online education and quality.

ZHONG Zhou

Associate Professor in Comparative and International Education at the Institute of Education

Associate Dean of the Office of International Cooperation and Exchange, Tsinghua University

Her research interests involve comparative and international studies of higher education management, teaching and learning innovation, professional development for faculty, comparative history of education and comparative methodology.

PROGRAM SCHEDULE

Day	Date	Morning 09:00-12:00	Afternoon 13:30-17:00	Evening 19:00-21:00
1	July 15 (Sun)	Registration		
2	July 16 (Mon)	Opening ceremony and opening keynote lecture	Keynote Lecture I & II	Welcome dinner
3	July 17 (Tue)	Group Discussion I	Keynote Lecture III & IV	Free time (Optional cultural & sporting activities)
4	July 18 (Wed)	Field Trip I		
5	July 19 (Thu)	Xiong'An New Area Forum (Keynote V + Field Trip II)		
6	July 20 (Fri)	Field Trip III + Group Discussion II		
7	July 21 (Sat)	Tour of central Beijing and the outskirts of Beijing		
8	July 22 (Sun)			
9	July 23 (Mon)	Group Discussion III		Free time (Optional cultural & sporting activities)
10	July 24 (Tue)	Field Trip IV + Group Discussion IV		
11	July 25 (Wed)	Field Trip V + Group Discussion V		
12	July 26 (Thu)	Workshop: Presentation & Expo preparation		
13	July 27 (Fri)	Group Presentation	Presentation & Expo	Gala dinner
14	July 28 (Sat)	Check-out and depart		

- Project field trips will be led by group tutors, and accompanied by their respective volunteers. Transport will be arranged by Tsinghua University. Students participating in these field trips are expected to conduct themselves in accordance with Tsinghua International Summer School rules and Tsinghua University regulations.
- The schedule may be adjusted according to local weather conditions.



ASSESSMENT

Successful completion of the two-week Tsinghua International Summer School - Experiencing China 2018 will be awarded with TWO Tsinghua University academic credits.

Each student is expected to participate in one of thirteen tracks throughout the two-week Tsinghua International Summer School - Experiencing China 2018.

Each student's academic performance will be evaluated with three components:

25%

Individual students' day-to-day participation and performance in all learning activities (25% of overall assessment);

30%

One academic essay/report in the first week to be completed either independently or collaboratively (30% of overall assessment);

45%

One academic essay/report in the second week to be completed collaboratively, group presentation in the final forum (poster and oral presentation) (45% of overall assessment).

The detailed requirements of the weekly essay/report will be provided by the course tutor. The daily performance will also be evaluated by your course tutor.

PROGRAM CALENDAR



- Full scholarship guaranteed admission



TUITION & FEES

Tsinghua University offers summer school scholarship places for Tsinghua International Summer School - Experiencing China 2018.

The scholarship covers the following:

- Registration fee
- Tuition fee
- Housing (on-campus accommodation for international students for the two-week period, mainly en-suite single rooms)
- Basic accident insurance for the two-week period in Beijing

Scholarship students are required to cover their own airfare costs, and adequate personal medical insurance for their stay in China as required by both Tsinghua University and Chinese visa applications.

REQUIREMENTS

The applicants for Experiencing China 2018 should fulfill the following requirements:

- Must be at least 18 but no more than 30 years of age as of July 15th, 2018, be currently attending college/university, and be in good health;
- The program is conducted in English; students are required to provide proof of English proficiency if their first language or teaching language in home institution is not English; please provide one of the following documents as reference:



a score of
6.5 or above



a score of
85 or above



Such as a letter of reference from your institution to prove that your English ability is of a sufficient enough level for learning and communication



HOW TO APPLY

To apply, please complete the application form along with other application materials and email it to: experiencing-china@tsinghua.edu.cn. We also welcome your university to nominate suitable undergraduate and graduate students to participate in the summer program.

Application Material:

- Application form
- Curriculum Vitae
- Official full academic transcript
- Photocopy of passport photo page
- One electronic copy of applicant's passport-sized photo (front facing, cap-free, white background)
- Proof of proficiency in English: scores of TOEFL or IELTS (if applicable)

We will acknowledge receipt of your application by email within ten working days of submission. Application closes on May 31st, 2018

*For more information about Tsinghua University, please visit our website:
<http://www.tsinghua.edu.cn>*

ADMISSION

Tsinghua International Summer School uses a rolling admissions policy; applications are reviewed as they are received.