



上海交通大学
SHANGHAI JIAO TONG UNIVERSITY

2018 SJTU GLOBAL SUMMER SCHOOL



Contact :

<http://summerprogram.sjtu.edu.cn/>

Email: isc.mobility@sjtu.edu.cn

PROGRAM OVERVIEW

SJTU welcomes undergraduate and graduate students from all over the world to study in Shanghai, one of the most dynamic cities in China this summer. Enhance your academic credentials, advance your career, or explore an interest.

The 2018 Global Summer School provides excellent opportunities for students to learn about China through academic and cultural immersion during the summer. A wide range of courses in various disciplines are provided, including Public Policy and City Governance, Traditional Chinese Medicine and Culture, Future Green City, and Discovering Chinese Creativity, each of which will be accompanied by Chinese language courses for both beginners and intermediate learners.

In addition to academic lectures, local excursions, cultural activities and field trips are also available for International participants. From these extracurricular activities, students will learn more about Chinese culture, history, politics and the latest developments. Here is a chance to experience Chinese culture firsthand and to make friends from China and all around the world.

Join us this summer and discover how SJTU can help you realize your potential!



→ Eligibility

- A. Students from overseas, Hong Kong, Taiwan, Macao must be enrolled as undergraduate or graduate students prior to applying for this program.
- B. Students from non-English speaking countries should provide an English language proficiency certificate. Either an IELTS no less than 6.0, TOEFL no less than 79 points or TOEIC no less than 800 points. If you are studying a full English taught program, please provide the relevant certificates.
- C. Other prerequisites may be required by each course.

→ Application Process



- A. Please apply on the following website :
<http://apply.sjtu.edu.cn>
The following items must be uploaded to the online application:
 - Scan of the identity page of the student's passport. The passport must be valid for at least 6 more months for the visa application.
 - ID photo (Similar to a passport photo)
 - Curriculum vitae (CV)
 - Motivation letter
 - Language proficiency certificate (If available)
- B. Applicants can only attend one course across the program.
- C. Regarding free placements for applicants from university-level exchange partners, please contact the International Office of your home university for detailed information.

→ Course schedule

- A. Lectures will be held in the morning and field trips or company visits will be arranged in the afternoon from Monday to Thursday. The Chinese language and culture course will be conducted every Tuesday and Thursday afternoon. There are no classes on Friday.
- B. If the number of participants is less than 20 students, the course will be canceled. If this is the case, students will be notified on the website by the 1st of May, 2018. Students have two choices when filing the online application, if the first is canceled, the applicant will be automatically reassigned to the second course.
- C. Please check our website for the updated version of the schedule of each course.

→ **In addition to the excellent lectures, you will also receive the following when joining the program:**

- > Airport pickup service
- > Welcome reception
- > Cultural show
- > Filed trip
- > Cultural experiences
- > Integration with local students

→ **Credit**

Session A: 2 Credits
Session B: 3 Credits

→ **Important Dates**

	Session A	Session B
Duration	2018.7.11-2018.7.26	2018.7.11-2018.8.3
Application period	2017.12.1-2018.4.30	2017.12.1-2018.4.30
Application deadline	2018.4.30	2018.4.30
Registration & Dormitory check-in	2018.7.11 8:00am-4:00pm	2018.7.11 8:00am-4:00pm
Welcome reception	2018.7.12	2018.7.12
Courses begin	2018.7.13	2018.7.13
Courses end	2018.7.26	2018.8.3
Dormitory check-out	2018.7.27 8:00am-4:00pm	2018.8.4 8:00am-4:00pm

→ **Fees**

	Session A	Session B
Application fee	RMB 400(USD 60)	RMB 400 (USD60)
Tuition fee	RMB 5000(USD 760)	RMB 7500 (USD 1130)
Total	RMB 5400(USD 820)	RMB 7900(USD1190)
Payment deadline	2018.5.29	2018.5.29

The culture trip fee is not included in the tuition fee.

→ **Refund Policy**

**The application fee is non-refundable.

Withdrawal is defined as the dropping of an entire academic program. All students who drop their academic program before May 29,2018 will not be charged. ¹

Cancelation date	Remarks
By May 29,2018	Full refund
By July 13,2018	50% refund
After July 13,2018	No refunds

→ **Announcement**

You will be notified of the result through via our website and email within two weeks of completing the application.

→ **Accommodation**

The 2018 Global Summer School will be conducted at two campuses: Xuhui and Minhang. Students are able to choose on-campus accommodation dependent on the location of the course.

Room reservations should be made online at dorm.sjtu.edu.cn and the accommodation fee should be paid online.

More detailed information regarding the accommodation reservation will be released once you have been admitted to Global Summer School .

For more information, please contact International Student Service Center
Minhang Campus: issc_minhang@sjtu.edu.cn +86-21-34203955
Xuhui Campus: issc_xuhui@sjtu.edu.cn +86-21-62933305

¹ All cancelation requests must be sent to isc.mobility@sjtu.edu.cn.

→ **Visa**

SJTU will provide students with JW 202 and admission notice. Applicants should bring the visa paperwork, admission notice, JW 202 form and a valid passport to the local Chinese embassy or consulate to apply for a short term student visa (usually the visa type "X 2"). Those who are already in China need to submit a copy of the visa page, residence registration notice and the above application documents to the PCB in Shanghai after registering at SJTU.

The JW 202 form and the admission notice will be sent to the applicant via an international courier within two weeks after April 30, 2018.

* If you are a local student from Hong Kong, Macao and Taiwan, you do not need the JW202 form.

→ **Insurance**

Students who plan to attend this program should obtain insurance prior studying in China. Each student needs to present the insurance certificate to the administrative staff on the registration day.

→ **Transcript**

Official transcripts will be sent out in September to the mailing address you indicated in the application.

Students who wish to transfer credits need to obtain pre-approval from the relevant authorities at their home universities.

→ **Certificate**

An official certificate will be issued to the student who completes the course by the University.

→ **Contact**

Email: isc.mobility@sjtu.edu.cn

Website: <http://summerprogram.sjtu.edu.cn/>

CONTENT



SESSION A

- TOPIC 1: S021 Outlook of Future Techniques in Aerospace Engineering
- TOPIC 2: S022 China's Public Policy and City Governance
- TOPIC 3: S023 China's Policy on Climate Change, Energy and Environment
- TOPIC 4: S024 Traditional Chinese Medicine and Culture
- TOPIC 5: S025 Strategic Design for the Enhancement of Architectural, Urban, Environmental Resources
- TOPIC 6: S026 Green City Green Future
- TOPIC 7: S027 Discovery China

SESSION B

- TOPIC 8: S031 Discover Chinese Culture Through Creative Drama
- TOPIC 9: S032 Green Technology for Environmental Pollution Control

SESSION A

S021

Outlook of Future Techniques in Aerospace Engineering

Duration:
2018.7.11-2018.7.26
(2 weeks)

Campus:
Minhang

Course Description »

This course aims to introduce aerospace engineering innovation in China to participants and further to the world, including the history, development, current status and the future of Chinese and Shanghai, including the culture of China and Shanghai. The goal is to establish an "international trends, global demand, Chinese strategy, Shanghai strength, and SJTU brand".

In particular, participants will learn the basics of aerospace engineering through lectures and aerodynamic demonstrations and experiments in a lab setting. Students will explore the field of aerospace engineering, touring SJTU research labs and learning how experimental data is collected in different research fields in aerospace engineering. Various experiments will be conducted on plane models. Students will also design, build, and test models utilizing their newly acquired aeronautical engineering knowledge. They will also interact with our brilliant faculty, graduate researchers, and undergraduate students in the field.

Highlight »

University-enterprise cooperative curriculum- field trips to an aero-engine testing platform, engine assembly laboratory, research center of civil aircraft flight Testing at COMAC and AECC;

The resources at a world-class University- the world's top faculty; real-time remote teaching classroom and remote laboratory; SJTU Qian Xuesen library & museum;

By the end of this 2-week study experience, students should have basic knowledge and understanding of the rich history, flourishing present and bright future of aerospace science and technology development.

Instructors »



Prof. Bei Lu
Email: beilu@sjtu.edu.cn

Bei Lu is a professor at the School of aeronautics and astronautics at Shanghai Jiao Tong University (SJTU), China. Before joining SJTU in 2017, she was a professor in the department of mechanical and aerospace engineering at California State University Long Beach, where she has served as a faculty member since 2005. She received her BS and MS degrees in power and mechanical engineering from SJTU in 1996 and 1999, respectively, and a Ph.D. degree in mechanical engineering from North Carolina State University in 2004. Her main research interests include robust control, linear

parameter-varying control of nonlinear systems and application of advanced control and optimization techniques to aerospace, mechanical and electromechanical engineering problems. She has published 1 book, Modeling and Analysis of Dynamic Systems, 2nd edition (CRC Press, 2014) and nearly 40 research papers in high-quality engineering and scientific journals such as the AIAA Journal of Guidance, Control, and Dynamics, IEEE Transactions on Control Systems Technology, Automatica, Systems and Control Letters, etc. and international conference proceedings.

Assessment

Class test: 50%
Active class participation: 50%

Contact

Program Director: Prof. Xingqun Zhan (xqzhan@sjtu.edu.cn)
Program Coordinator: Ting Dong (dongting2009@sjtu.edu.cn)

S022

China's Public Policy and City Governance

Duration:
2018.7.11-2018.7.26
(2 weeks)

Campus:
Xuhui



Instructors »

Prof. Yang Zhong
Email: zhongyang@sjtu.edu.cn

Dean Professor Yang Zhong is a Changjiang Chair Professor rewarded by the Chinese Ministry of Education, Zhiyuan Chair Professor at Shanghai Jiao Tong University and Tenured professor of Political Science at the University of Tennessee. His main research interests include local governance in China, political culture, and political participation. He is co-author of two scholarly books: Local Government and Politics in China (M. E. Sharpe, 2003) and Political Culture and Participation in Rural China (Routledge Press, 2012).

Prof. Bo Peng
Email: bpeng@sjtu.edu.cn

Vice Dean of the school of international and public affairs, Shanghai Jiao Tong University. His main research fields include local politics, urban studies and public policy analysis. He is the co-author of two scholarly books: Local Government and Politics in China (M.E.Sharpe, 2003) and Political Culture and Participation in Rural China (Routledge Press, 2012). His articles have appeared in journals such as Journal of Politics, Comparative Political Studies, Political Research Quarterly, Asian Survey, Journal of Contemporary China, China: An International Journal, and PS: Political Science and Politics.

Prof. Hua Zheng
Email: zhenghua@sjtu.edu.cn

Prof. ZHENG's research field is in the contemporary diplomacy of China, Sino-US relations and Political communication. She has written a book about China-US rapprochement named Summit Diplomacy: Discourse Analysis on Sino-US Leaders' Negotiation 1969-1972 (Shanghai People Publishing House, 2008). She has been conducting research on discourse power in shaping public opinion and influence on foreign policies since 2010.

Course Description »

This course focuses on issues that are currently important in Chinese political development and government reformation with an interdisciplinary approach to examining China. Through seminars, field trips, and other activities, students have the opportunity to experience traditional Chinese culture and conduct an in-depth analysis of public policy with Chinese experts. It covers the following areas: public policy analysis; Shanghai governance case studies; a field trip to visit urban communities; traditional cultural activities including a tea ceremony, calligraphy, and or Chinese cooking.

Highlight »

8 lectures from distinguished Chinese experts to share their latest research result on public policy and city governance;

2 field trips to the City Planning Exhibition Hall and urban communities;

Group research experience with Chinese master or Ph.D. candidates in two weeks;

Cultural trips during weekend to experience the local culture;

By the end of this 2-week study experience, students should have basic knowledge and understanding of public policies and city governance in Shanghai and in China.



Assessment

Attendance: 30%
Participation in question discussion: 20%
Group presentation: 40%
Final program summary: 10%

Contact

Program Director : Prof. Bo Peng(bpeng@sjtu.edu.cn)
Program Coordinator: Ms. Jingjing Peng(jjpeng@sjtu.edu.cn)

S023

China's Policy on Climate Change, Energy and Environment

Duration:
2018.7.11-2018.7.26
(2 weeks)

Campus:
Xuhui

Course Description »

This course explores the challenges associated with climate change, energy and environmental policies from multiple perspectives, disciplines and scales. Students will be trained to examine the evolving science and policy of climate change, discrepancies among big global emitters regarding commitments and responsibility and the conflicts between energy giants and interest groups in China. Additionally, China's energy and environmental policies will be scrutinized in the context of global and domestic politics. Through various case studies, students are encouraged to understand the nature of China's national development strategies and the risks and challenges the country is facing in implementing its "green policies". At the same time, students will be expected to apply theories of IPE and PE while conducting analysis.

Highlight »

- Understand the interaction between politics and economics, especially in a Chinese context;
- Understand the economic dimension of foreign policy and international politics regarding energy and environmental issues;
- Understand the interaction between mitigation, energy efficiency and technology innovation;
- Integrate different stakeholder perspectives, disciplines, scales and geographic contexts in evaluating China's mitigation efforts, energy and environmental policies;
- Understand China's developmentalist approach and the shift from a GDP-orientation to a more balanced development;
- Develop both oral and written communication skills to facilitate systematic analysis and effective consideration of these complex issues.

Instructors »

Prof. Junhua Zhang
Email: junhuazhang@sjtu.edu.cn

Dr. Junhua Zhang is currently a Professor in political science at the school of international and public affairs of Shanghai Jiao Tong University (SJTU). He is currently the director of the international master's degree program of the SJTU and executive director of the Centre for Contemporary Sino-Israel Studies (CCSIS – in establishment). He was a senior visiting fellow at the University of Sussex in 2011 and visiting professor at the Hebrew University 2012. In addition, he is a senior associate at the European Institute for Asian Studies (EIAS) based in Brussels.

Assessment

- Attendance 30%
- Participation in question discussion 20%
- Group presentation 40%
- Final program summary 10%

Contact

Program Director : Prof. Junhua Zhang (junhuazhang@sjtu.edu.cn)
Program Coordinator :Ms. Jingjing Peng (jjpeng@sjtu.edu.cn)

S024

Traditional Chinese Medicine and Culture

Duration:
2018.7.11-2018.7.26
(2 weeks)

Campus:
Xuhui

Course Description »

The course, traditional Chinese medicine and culture, aims to introduce the characteristic theories and thoughts, therapies and processing of traditional Chinese medicine and medical material (TCM). This includes the history, social and cultural background of traditional Chinese medicine and spreading the knowledge and culture of traditional Chinese medicine.

Highlight »

Open CNMOOC for learner all over the world and the offline part is divided into flipped classroom, practical teaching, academic seminar and TaiJiQuan learning;

Understand the origin and development of traditional Chinese medicine;

Understand the Yin-Yang concept and Wu Xing theory of traditional Chinese medicine;

Experience acupuncture;

Teach and Practice Taijiquan;

Introduce the methods for nourishing of life and improve physical and mental health.



Instructor »

Dr. Chongsheng Peng
Email : cspeng@sjtu.edu.cn

Dr. Chongsheng Peng is the associate professor of the School of Pharmacy at Shanghai Jiao Tong University (SJTU) and is an expert of both SJTU General Education course and storehouse of China Association of Pharmaceutical Education (CAPE). He received his Ph.D. at the West China University of Medical Science and a bachelor's degree from the Anhui University of Chinese Medicine. He was a visiting scholar (2005-2006) at the Institute of Molecular Bioscience (IMB) and University of Queensland. In addition, his course "Traditional Chinese Medicine & Chinese Culture" has been regarded as key course for general education in Shanghai since April, 2015, and key course at SJTU since 2012. The course is also available globally on the four MOOC platforms of Coursera, China MOOC (CNMOOC), Zhihuishu and Ewant. The English version of this course was successfully developed to be the first international course with blended learning for universities at 21 summer schools in 2016 and has attracted more than 130 students online and 65 students joining offline, hands-on practices from 18 universities in 11 countries.

Assessment

Online (quiz) 50%

Offline(classroom interaction, summary report and oral presentation) 50%

Contact

Program Director : Dr. Lei Fu (leifu@sjtu.edu.cn)

Program Coordinator : Dr. Haiying Sun (hysun@sjtu.edu.cn)





S025

Strategic Design for the Enhancement of Architectural, Urban, Environmental Resources

Duration:
2018.7.11-2018.7.26
(2 weeks)

Campus:
Xuhui

Course Description »

This course provides lectures on Chinese culture on space and building, the Chinese property market and architecture regulation, to give international students a general understanding of Chinese architecture. Students will learn more about the construction and protection of Chinese traditional architecture by courses provided and visiting some relics. In addition, students from different countries can work together with others and exchange their ideas. Professor Ilaria Valente will work together with SJTU professors and other foreign professors based on the joint research about Chinese architecture and cities. Furthermore, classes about the operation of the Chinese design Market will be offered for those who are interested in working in China in the future.

Highlights »

Study at SJTU to experience campus culture and learn Chinese culture;

Understand the historical development and modern architecture of Shanghai by visiting the Oriental Pearl Tower, Shanghai Center and Shanghai Bund;

Exchange ideas by working with students from different countries;

Instructors »



Prof. Ilaria Valente
Email: ilaria.valente@polimi.it

Ilaria Valente (Milano, 1958) is a professor in architectural and urban design and the dean of the School of Architecture, Urban Planning and Construction Engineering at the Politecnico di Milano. Her research is devoted to theory, tools, and design methods with particular attention to the architecture of open and public spaces, urban morphology, architectural typology and the shape of infrastructures in contemporary territories. She was the consultant of the municipality of Milan for research on the morphology of inner and peripheral urban fabrics, which has become part of the new municipal urban plan of Milan (2005). Her educational program has involved numerous design studios exploring the possibility of recycling, with permanent or temporary uses, areas and buildings in a state of decay and neglect and was exhibited at several Triennale di Milano. "The quiet revolution" (2000) was hosted in Vienna, Berlin, London, Seville, Japan, Mexico and Latin America. Ilaria Valente collaborated with prominent Italian architectural reviews such as "Domus", "Casabella" and "Urbanistica". She has participated as a lecturer in several seminars and symposiums and as a visiting critic in Italy and abroad.



Alessandra Oppio
Email: alessandra.oppio@polimi.it

She is an associate professor of appraisal at the Politecnico di Milano in the department of architecture and urban studies. She has PhD in programming, maintenance and development of building and urban systems. Oppio teaches at the school of architecture and society of Politecnico di Milano. Her research topics are: the economic evaluation of cultural heritage and environmental goods; decision science and multicriteria evaluation; evaluation of projects' sustainability. Her research and teaching integrate real estate finance and development with architectural and landscape heritage and preservation. She is a reviewer for several international journals (Chemical Engineering Transaction, AIDIC; Territorio, FrancoAngeli; Smart and Sustainable Built Environment; Applied Spatial Analysis and Policy from 2013) and a member of the editorial board of the Journal of Public Finance and Economics (from 2015) and the journal of the Italian Society of Italian Real Estate Appraisal and Investment Decision Values and Evaluations (from 2012). Lastly she is the chief editor of the Green Energy and Tehnology, SIEV series.



Charlie Gullström
Email: charlie.gullstrom@arch.kth.se

She is an architect in SAR/MSA at KTH, Sweden, where she combines teaching with research and leads the interdisciplinary research group KTH Smart Spaces: Architecture & Interactive Media (EU FP7 COMPEIT 2014-2016; EIT DIGITAL Lead, Mediating Presence 2011-2014). Being design-driven research having practiced for over twenty years, she addresses the fusion of architecture and media technology facilitated by new information and communication technology (digitalisation, interactive architecture, virtual public space, presence research). Her particular interests concern the contribution of architects to a highly-mediated society, given that new digital tools have thoroughly changed the way humans interact and communicate. This has the potential for innovative architectural design to foster new sustainable behavior patterns. In 2017, Gullström will be involved in research initiatives relating to a new innovation programme for Smart Sustainable Cities. Gullström is a board member of the recently established Centre for the Future of Places (Dr Tigran Haas, KTH ABE). She has previously served as the centre director for the VINNOVA centre of excellence for sustainable communications at KTH and was responsible for its formation and growth from 2005-2007.



Prof. Ma Wenjun
Email: mwj@sjtu.edu.cn

With degrees in city planning and city management he has been engaged in urban climate maps, smart city planning and directing research projects such as the next generation of infrastructure, smart city planning of Shanghai for 2040 together with the Shanghai Municipal Planning and Land Resource Administration Bureau, Shanghai Municipal Meteorological Service Centre and other units. Combining economical, sociological and geographical methods in urban study, he has been qualified as a China registered city planner and China registered real estate appraiser. He has integrated practical works in planning and design with scientific research using quantitative studies.

Assessment

Attendance: 20%
Participation in question discussion: 30%
Final design report: 50%

Contact

Program Director : Prof. Ma Wenjun (mwj@sjtu.edu.cn)



S026

Green City Green Future

Duration:
2018.7.11-2018.7.26
(2 weeks)

Campus:
Xuhui



Course Description »

This course aims to provide students with an understanding of environmental and resource implications of construction activity within the context of green development. It considers the theoretical and methodological basis of approaches to evaluate and justify various design choices made at different stages of the construction life cycle. It also introduces state-of-the-art green technologies and tools that may contribute to the sustainable design via visits to exemplar projects or the engagement of hand-on activities.

Highlights »

First class delivery team comprising world class academics and industrialists rich in global experience in the subject area;

Well-mixed delivery methods including class-teaching, virtual reality simulations, site/office visits, a group project and hand-on activities;

A visit to the world's second highest building, the highest LEED platinum project and the Shanghai Tower located in Shanghai;

A visit to the world's first 3D printing building, Winsun, located in Suzhou;

To opportunity to interview the project management team of the Shanghai Disney Project, one of the world's most complicated projects;

Two site visits, i.e. an off-site construction project and an award winning green building;

Tours of Shanghai and its municipal construction together with a visit to the Shanghai Construction Museum;

Experience in working on a real life global project mentored by practitioners of Arcadis Shanghai, one of the most renowned consultancy companies in the world;

Have social network activities with the students/graduates/chartered members of ICE (the largest the learned society in Civil Engineering in the world) in a region near Shanghai.

Instructors »

Prof. Jian Yang
Email: j.yang.1@sjtu.edu.cn

Prof. Jian Yang, deputy head of the department of civil engineering at Shanghai Jiao Tong University, has over 15 years of experience in teaching, research and consultancy at various universities/companies, most of which was in the UK. He is one of the youngest fellows at the Institute of Civil Engineers (ICE) and a chartered member of the Institute of Structural Engineers (MStructE). He serves on several international and national professional committees, e.g. UK Concrete Society, IStructE, ICE and Chinese Ceramic Society. He sits on the editorial board of the Magazine of Concrete Research, Glass Structures and Engineering and the Journal of Civil Engineering and Architecture. In his present role, he leads a team mainly focusing on the research in the field of sustainable construction materials and advanced structural systems including recycled concrete and other newly emerging construction materials such as integrated structural and functional glass. He also conducts research on modern construction methods including PC and 3D modular steel constructions. In 2016, he was named one of the '10 Kaiyuan Lecturers'.

Prof. Charalampos Baniotopoulos
Email: C.Baniotopoulos@bham.ac.uk

Prof. Baniotopoulos (LB) is the professor and chairman of the sustainable energy systems department at the school of engineering in the University of Birmingham, UK. He is also Visiting Professor at the Taylor's University in Malaysia and honorary professor at JUST, Jordan. He is the head of the group of structural engineering, as a lecturer for graduate and post-graduate civil engineering courses. In the period between 1998-2014, LB was a professor and the director of the Institute of Metal Structures at the school of civil engineering in the Aristotle University of Thessaloniki. He also acted as head of the school between 2006-08 and 2008-10. He has been to Alexander von Humboldt (AvH) as a visiting professor at the Leibniz University Hannover, Germany (2011), HCM visiting fellow at the JRC-Ispra, Italy (1993-94) and AvH Research Fellow at the TU Aachen, Germany (1987-88). He acted as member of management committees of several COST actions of urban development (1996 to date) and chair of the COST Action TU1304 (2014-2018). As a project leader he coordinated more than 50 research projects funded by national and international research organizations in the private sector (industry). He has authored and edited 18 engineering books and co-authored more than 300 scientific papers in international peer-reviewed journals and conference proceedings.

Prof. Jamal Khatib
Email: jmkhatib@yahoo.com

Prof. Khatib is currently a professor in civil engineering (Sustainable Construction Materials) at faculty of science and engineering at the University of Wolverhampton (UoW) - UK. He was named the 'Shanghai Foreign Expert' in 2015 and is now a visiting professor in SJTU. His research areas mainly revolve around sustainable construction materials. The products of his extensive research activities have been comprehensively disseminated in over 250 refereed academic journals & conference papers; text books, research seminars and workshops and articles/features in the construction press. He sits on the technical committees of many international research conferences. He is an editorial board member of four academic journals and an associate editor for the Journal of Emerging Trend in Engineering & Applied Sciences.

Mr. Gonzalo Ortega Barnuevo
Email: gobar@osaspain.com

Mr. Barnuevo is the Director of OSA Spain. He is a chartered architect with over 25 years' architectural design experience, resulting into over 100 design projects. One of his key design philosophies is to design buildings passively, where natural resources can be fully utilized. His work has won numerous awards both internationally and nationally.

Assessment

Attendance and professionalism: 10%
Reports: 40%
Project presentation and Q&A: 40%
Innovation/critical comments: 10%

Contacts

Program Director : Prof. Jian Yang (j.yang.1@sjtu.edu.cn)
Program Coordinator:
Dr. Qinfeng Liu (liuqf@sjtu.edu.cn)
Dr. Wanyang Gao (gaowanyang20022003@gmail.com)
Dr. Bai Li (baili888@hotmail.com)

S027

Discovery China

Duration:
2018.7.11-2018.7.26
(2 weeks)

Campus:
Xuhui

Course Description »

This course provides you with an overview of the key social, cultural, political, and economic areas for understanding the changes and challenges of contemporary China taught from multi-disciplinary perspectives. We will arrange visits to the Shanghai Urban Forest Research Station to demonstrate the metropolis' ecological balance strategy and SJTU's advanced laboratories to exchange opinions with professors about the most promising technologies in the future. This program provides students with the critical and essential tools to understand how to do business in China through a combination of subject-specific modules, company visits and cultural activities. Students who attend this program not only take part in an unforgettable experience but also gain skills that will equip them for global success.

Highlights »

Understand China's development process from the perspective Shanghai's globalisation;

Discover how business in China works ;

Learn about traditional Chinese medicine and culture and learn how to make sachets;

Study at SJTU to experience campus and Chinese;

Exchange ideas by communicating with students from different countries;

Instructors »

Prof. Chih-yun Chang
Email: chihyun@sjtu.edu.cn

Professor Chang is a distinguished research fellow with a Ph.D in history from the University of Bristol. His publications include *Government Imperialism and Nationalism in China* (Routledge, 2012) and an *Eyewitness Account of War and Revolution: The Chinese Journals of L K Little, 1943-54* (Pickering & Chatto, 2015) Published five AHCI/SSCI articles.

Dr. Chongsheng Peng
Email : cspeng@sjtu.edu.cn

Dr. Chongsheng Peng, associate professor at the school of pharmacy at the Shanghai Jiao Tong University (SJTU), is an expert in both the SJTU general education courses and storehouses of the China Association of Pharmaceutical Education (CAPE). He received his Ph.D. at the West China University in medical science and a bachelor's degree from the Anhui University of Chinese Medicine. He was a visiting scholar (2005-2006) at the Institute of Molecular Bioscience (IMB) in University of Queensland. Additionally, his course "Traditional Chinese Medicine & Chinese Culture" has been regarded as a key course for general education in Shanghai since April 2015 and at SJTU since 2012. The course is also available globally on four MOOC platforms including Coursera, China MOOC (CNMOOC), Zhihuishu and Ewant. The English version of this course was successfully developed to be the first international course with blended learning for the universities at 21 summer schools in 2016 and has attracted more than 130 students online and 65 students participating in offline hands-on practices from 18 universities in 11 countries.

Dr. Shan Yin
Email : yinshan@sjtu.edu.cn

Dr. Shan Yin is an assistant professor at the school of agriculture and biology at Shanghai Jiao Tong University since 2012. He got his MD and PhD in environmental engineering at Shanghai Jiao Tong University and used to work at the Institute of Urban and Regional Development, University of California Berkeley as a joint PhD researcher. He is the vice director of Shanghai Urban Forest Research Station and the State Forestry Administration. His work focuses on long-term monitoring of urban forests, air pollutants and climate change.

Assessment

Attendance: 20%
Participation : 30%
Assignment: 30%
Final presentation: 20%

Contact

Program Coordinator: Ziyi JIA (zyjia@sjtu.edu.cn)

S031

Discover Chinese Culture Through Creative Drama

Duration:
2018.7.11-2018.8.3
(3 weeks)

Campus:
Xuhui

Course Description »

This course aims to cultivate participants' aesthetic taste and knowledge of classical Chinese art, develop their multi-cultural perspective and inspire their creativity through an innovative project. The project-oriented courses consist of a mixture of theoretical classes, hands-on workshops and on-site visits which are run by professors and experts from universities in the cultural and creative industry. The program is designed to introduce participants to the best Chinese cultural practices by providing a unique opportunity for participants to perform creative drama and to develop a network of cultural and creative industry contacts in China.

Highlight »

Use techniques from storytelling, music, dance and theatre as well as elements from classic Chinese culture to perform creative drama and get inspired;

Explore their creativity through progressive Chinese culture awareness by taking a diverse range of courses and get a brand-new perspective of the world, life and values;

Understand Chinese culture and drama via hands-on workshops and rich experimental activities rather than being taught pure theatrical knowledge.;

Be assigned certain creative goals to complete a creative drama performance altogether and be reviewed by professors from universities, industry professionals and representatives as a reward.

Instructors »

Prof. ZHOU Bin (Academic Director)

Dr. Zhou Bin, born in Shanghai in November 1964, Ph.D, is currently a professor of Chinese calligraphy education at the USC-SJTU Institute of cultural and creative industry at Shanghai Jiaotong University. He is a researcher at the research center of the Chinese Academy of Fine Arts, a member of the Chinese Calligraphers Association, the Chinese Society of Psychology, the Shanghai Calligraphers Association and deputy director of the Shanghai Institute of Psychology and Shanghai and City Youth Calligraphers Association's vice chairman in the Shanghai Youth Literature and Art Association.

Ms. WAN Zi (Drama Director)

The producer of the Chinese version of a very famous musical 'Mamma Mia'.

Prof. MU Yilin (Art Director)

Prof. MU Yilin (born 1944 in Shanghai), a member of the Chinese Art Association, is the representative inheritor of intangible cultural heritage like traditional Chinese painting (Bo Painting,) as well as the executive director of the Shanghai Intangible Cultural Heritage Protection Association. His inheritance and research, since 1983, into ancient Chinese Bo Painting created a unique modern Bo Painting art and has made a significant contribution to the renaissance of Chinese painting in the world. His artworks are collected by world-famous dignitaries. Professor Mu also won the first prize of the international Chinese Exhibition held by the Chinese Ministry of Culture, the first prize of the Shanghai Art Exhibition and more.

Prof. SU Jincheng

Dr. Su is a member of the China National Academy of Sculpture, China Literature and Art Critics Association and the Shanghai Artist Association. He is a master of traditional Chinese painting and calligraphy, as well as a postgraduate supervisor at the College of Fine Arts at the Shanghai University. His artworks are exhibited and collected by foreign dignitaries and institutions from China, Japan, Italy and so on. Dr. Su is the dean of Shanghai Huixin Mercy Painting and Calligraphy College. For many years he engaged in public welfare undertakings, and was awarded a placement amongst the 'Shanghai Top 10 volunteers' and a nomination for 'The 100 most beautiful volunteers of China'.

Associate Prof. LI Yan

Prof. LI is a national second grade actor. She is also an opera figure teacher (opera figure is a fundamental course containing over 300 different types of traditional Chinese opera. It optimizes an actor's coordination and beauty with the rhythm.) for the Shanghai Theater Academy's Traditional (Chinese) Opera School. Ms. LI is the leader of the opera figure subject, and she has won the National Art Awards several times. She is also the opera figure lecturer at the Chinese University of Hong Kong and many European and American training programs.

Dr. AMARANTIDOU Dimitra

Dr. Amarantidou is a young Confucian scholar. She has a Ph.D in Chinese philosophy from the East China Normal University. She was invited to attend the "Gasification • feel through time: Zhuangzi and Confucianism - ancient and modern change forum second workshop", the first International Youth Confucian Forum and other meetings. Her translation work includes "Chinese philosophy twenty stresses", "contemporary Chinese philosophy research: 1949-2009" etc.

Assessment

Attendance: 20%
Participation (Performance in class): 30%
Assignment: 30% (Group or Individual Assignment depending on courses)
Final program summary: 20%

Contact

Program Coordinator: Amber DONG (shi.dong@sjtu.edu.cn)



S032

Green Technology for Environmental Pollution Control

Duration:
2018.7.11-2018.8.3
(3 weeks)

Campus:
Minhang



Course Description »

Environmental pollution control using green technology is one of the sustainable methods that not only can solve environmental pollution, but also save energy and resources. The course uses multidisciplinary theories and methods to expound the relationship, connotation and principles between environment and sustainable development. To interpret the relationship between economic and social development with environmental protection, energy conservation and emissions reduction, China will be chosen as the case study subject. Due to it being the country with the most populous and rapid urbanization process. The development process of water resources, the waste sector, soil reclamation and air pollution control will be introduced in detail and the students could understand the drivers and the development for the shift from the industrial civilization development model to the modern ecological civilization.



Highlight »

Half day tour of Laogang solid waste treatment base;

Half day tour of Qingcaosha drinking water reservoir;

One day tour of Chongming Island.

Instructors »

Prof. Xinde Cao
Email: xdcao@sjtu.edu

Prof. Xinde Cao is the vice dean of the School of Environmental Science and Engineering at Shanghai Jiao Tong University, China. His research interests include: (1) characterization and remediation of contaminated sites; (2) biochar-based C sequestration and its eco-environmental effect; (3) development and application of solid waste-derived functional materials for environmental remediation; and (4) metal speciation, bioavailability, and human health.

Assessment

Attendance: 15%
Participation in question discussion: 20%
Visit report: 30%
Final program summary: 35%

Contact

Program Director : Prof. Xinde Cao (xdcao@sjtu.edu.cn)