



The Shanghai Center for Sustainability

Summer Program

Session 1: June 10 – June 29, 2012

Session 2: July 9 – July 27, 2012

The Center for Sustainability in Shanghai is inviting university students and industry professionals to take part in a comprehensive summer course designed to provide an in depth introduction to today's sustainability trends in China. Complementary to this 3 week study course, students will be offered a chance to participate in a 6 week internship at a leading Chinese or international company, focusing on sustainable development.

The program will provide students with valuable insight into sustainable and environmental trends in China and will highlight what the current opportunities within the country are. Lecturers from leading universities and enterprises will present seminars covering a range of 'green' topics, and participants will be given the opportunity to visit several of these institutions covering a variety of industries.

As well as participating in lectures, exercises and company visits, students will also have the chance to attend several networking events that will take place in various locations, and include people from different industries where sustainability is a main theme. The workload of this course alone will account for 3 US credit hours; with the 6-week internship accounting for a further 3 US credit hours (depending on home institution).

Lectures

1. **Sustainability in China:** This course gives an introduction into various aspects of sustainability in China from an international point of view, taking into consideration several aspects of sustainability, including areas such as Clean Tech, Policy Making, Urban Development, transportations systems and how they comply with China's 12th 5 year plan.
2. **Sustainable Buildings:** Energy usage in buildings accounts for 40% of all energy consumption, so how we design buildings, manage energy and resources, has an enormous effect on our environment. This course will show how technology can be used to simulate environmental conditions therefore optimizing architectural design and detailing to promote a more energy efficient and environmentally sensitive design.
3. **Sustainability as a tool for development:** This lecture will explain how we can use the creation of sustainable cities to promote industries that will serve as a tool for the economic development to local communities in developing countries.
4. **Environmental Policy:** This course exposes how any deliberate action taken in order to manage human activity for the purpose of protecting the environment and natural resources can be considered environmental policy. This course will also study the challenges of implementing policy at the local, national and international levels.



5. **Fundraising for Sustainable Projects:** This lecture presents the various aspects of raising funds for sustainability related projects, including the challenges and opportunities that we face in China.
6. **Certifications:** This lecture is designed to draw a one-to-one comparison between western design certifications, such as LEED, BREAM and HQE and Chinese design certifications such as Green star and China Star and to discuss how they differ in concept and enforcement.
7. **Environmental Economics:** In this course, students will have the opportunity to look at economics from a different point of view in which we recognize that the markets are not the only mechanism of allocation but rather that sustainable allocation is the result of the combined efforts of Markets, Scale and Distribution.
8. **Environmental Ethics:** This course is designed with the goal of bringing a new perspective to the boundaries of human ethics, and extending them to the natural world and its protection. Through this course students will exercise their critical thinking skills and engage in discussions involving current issues
9. **Social Entrepreneurship:** This course focuses on engaging critical thinking for the creation of socially responsible enterprises. It teaches students how to engage in an entrepreneurial venture that takes into consideration multiple aspects of sustainability.

Multidisciplinary Exercise

Throughout the 3-week program, students will engage in a practical multidisciplinary exercise where they will take the different educational backgrounds and apply them to a current global issue. Through this exercise we aim to promote the debate from the different fields in order to achieving the common goal.

Trip to Tianjin and Beijing

Participants will have the opportunity to visit Tianjin and Beijing, in order to experience first hand how the planning and implementation of sustainable practices has influenced these cities, while taking the time to enjoy the typical Chinese sightseeing. Lectures and company visits will form an integral part of these visits.

Company visits

Throughout the program participants will visit several Chinese and International businesses that are current leaders in their specific industries for the development and implementation of sustainable practices.



Networking Events

Networking events will be arranged offering students a platform to meet and discuss with both local and international industry professionals currently working in or China or closely involved with the Chinese market.

Lecturers

Faculty Leader

Pius Leuba (雷朴实)

Architect HTL (Switzerland), MDesS (Harvard)

Pius Leuba is Associate Professor at Tongji University, School of Design and Innovation, Division of Environmental Design in Shanghai. He has extensively researched, designed, taught, published, lectured and built in the realm of sustainable human environment in China. In addition, Professor Leuba is a lecturer at the Shanghai Study Center of Hong Kong University as well as a practicing architect and sustainability consultant. He is advancing green materials in China with GIGA (Green Ideas, Green Action, an online material database), where he sits on the board of directors. He is also a member of X6 Architecture, an international exchange platform for sustainable development in architecture and design.

Program Director

Pablo Carvallo

Economist

Pablo Carvallo has a Bachelor in Arts in Economics from the University of Oklahoma and is currently a Master Student of Environmental Management and Sustainable Development at the UNEP - Tongji University in Shanghai. He is the Business Development Manager for CBL International, a company focused on providing international education, working closely with Tongji University in China, University of Oxford in the UK and Higher Colleges in Dubai. Pablo is the program director for the Shanghai Center for Sustainability

Lecturers

Richard Lee M.Sc., Ph.D,

Executive Director, Energy and Sustainability, Asia at CB Richard Ellis

Dr. Richie Lee is the Executive Director with responsibility for the Energy and Sustainability business line in Asia and is based in Shanghai. He oversees and works in collaboration with other business lines within CB Richard Ellis the strategic development, business operations and execution of Energy and Sustainability services and projects across Asia in sustainability consulting, eco master-planning, energy efficiency, renewable energy, green building design and retrofitting and certification, valuation of green buildings and green corporate marketing etc.



Shanghai Center for
Sustainability

Alessandro Bisagni

AIEMA, LEED AP BD+C

Alessandro is the Founder and Managing Director of BEE inc. - a company based out of Shanghai that specializes in the procurement of sustainable materials and consultancy services for LEED certification, with a specialization in building simulations. He is a LEED AP® and holds formal qualifications in Environmental Economics and Urban Planning from McGill University. His company has worked on innovative LEED projects throughout Asia and North America, such as Shangri-La Hotels and the Shanghai International Financial Center.

Thomas Austerveil

Architect

With a Bachelor in Architecture from Cornell University and a Master of Science in Architecture with focus on Sustainability from the Swiss Federal Institute of Technology, Thomas Austerveil has worked for the last 10 years for architects such as Norman Foster and Paul Andreu, as well as for the past 4 years in close association with SORANE SA (Switzerland) specializing in energetic rationalization in various building sectors including office, commercial, large and small scale residential, airports and hospitals. Thomas is now the managing director of a_a&d architecture as well as guest lecturer at Tongji and guest critic at Hong Kong University.

Irving Steel

LEED AP

Irving Steel LEED AP is determined to make a positive difference for our environment. He is currently the International Sales Manager at energy efficient LED lighting company Etrilum, and is also is the Founder and Organizer of Green Drinks China, an environmental awareness and action event in cities across China. Irving was previously on the Board of the nonprofit Eco Design Fair in Shanghai. He is American and speaks English, French, and Chinese.



Internship Program(Year round applications)

This service is designed to facilitate both companies and interns to find their suitable counterpart. Through an intensive selection process, interns will be matched with companies who are currently actively taking part in the promotion of sustainable practice in China.

The aim of this internship program is to provide its participants with valuable experience in a Chinese or International company based in China. This program will be a career enhancing opportunity, whether you would like to pursue a career in China or return to your home country, this internship in China will serve as a stepping-stone for an international career.

Employers are always looking for those candidates that stand out the most, following you can see how this internship in China will make you stand out:

- First hand look at the Sustainability Industry in China
- Build a network of industry professionals
- International exposure
- Recommendation letter from host company
- Recommendation letter from the Shanghai Center for Sustainability
- Possible credit transfer (3 US credit hours)
- Experience working in China

The internship program will help you reach your career goals as it offers an opportunity for you to experience working in China while taking part in important projects from the world of sustainability.

Price List	
Tuition (including accommodation)	USD 3,500.00
Internship Program	USD 690

Upon finishing the program, students will be issued a certificate that may be accountable for credit transfer depending on the home university.

Summer Program Deadline: April 20, 2012

Scholarships:

- Shanghai Center for Sustainability #1
- Shanghai Center for Sustainability #2

Contact:

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