

SUSTAINABLE URBANISM: AN INTERNATIONAL PERSPECTIVE

CHINA

Spring 2013



UNIVERSITY OF
Cincinnati

Information session: Oct. 9, 12:30-1:30, 4434 DAAP

UC Forward
The Innovation Collaborative

- Concepts & practices of urban sustainability from trans-disciplinary & global perspectives
- Field studies in China on environmental design, planning & management
- Real-world problem-solving in a rapidly developing country, work closely with Chinese students

Important Dates

- Information session: Oct. 9, 12:30-1:30, 4434 DAAP
- Applications due: Nov. 15
- Travel Grants from UC International: Nov. 15 and Mar. 15, 2013
- Course offered: Spring 2013
- Travel: End of Spring 2013

- Co-listed as ENVE6099, PLAN6099 and SAID 6099
- Open to both undergraduate and graduate students
- Fulfills NS and DC BoK Codes
- Experiential and trans-disciplinary learning

ENVE 6099, PLAN 6099, SAID 6099 SUSTAINABLE URBANISM

SPRING 2013



Travel dates

April 25 -May
8, 2013
(tentative)

Course web site

<http://ming3d.com/sustainable>

Cost

~\$2,500 before
UC International
grants or financial
aid

UCosmic site

<https://www.uc.edu/webapps/ucosmic/programs/detail.aspx?id=145>

Contact Information

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COURSE ACTIVITIES

- Meet once a week, Spring 2013, concepts and cultural training
- Two weeks in China: Beijing 9 days, 5 days in Jinan, Shandong province
- Deliverables: Project report (appropriate for co-op portfolio)

Tentative Travel Itinerary

- The Forbidden City, Tiananmen Square and the Great Wall: cultural heritage vs. development, preserving history against pollution, sustainable tourism
- Beijing Besieged by Garbage: solid waste management in metropolitan, locating landfills near Beijing or other Chinese cities with GIS
- Water, wastewater, air and transportation in mega and midsized Chinese cities
- High-speedrail opportunities and challenges
- Qifu, Shandong Province, birth place of Confucius

Multidisciplinary Instructors

- **Christopher Auffrey.** Associate Professor. School of Planning (SOP), College of Design, Architecture, Art, and Planning (DAAP). His research interests include sustainable development, healthy urban planning, and environmental justice. He has professional experience with commercial development projects in Los Angeles and with an environmental consulting firm in Washington D.C. He also served two years as a Peace Corps volunteer in Paraguay.
- **Mingming Lu.** Associate Professor. School of Energy, Environmental, Biological and Medical Engineering (SEEBME), College of Engineering and Applied Science. Research area: air quality, pollutant measurement and analysis from combustion processes including diesel, biodiesel, coal, and waste derived fuel, etc.; making biodiesel from waste feedstocks, and development of particulate control technologies.
- **Ming Tang.** Assistant Professor. Schools of Architecture and Interior Design (SAID), DAAP. LEED AP. He is the founding partner of Tang & Yang Architects, which has won numerous design awards in China, Spain, Mexico, U.K. and United States. His multi-disciplinary research includes parametric architecture & urban design, digital fabrication, building information modeling, performance driven design, digital computation, virtual reality, algorithm & programming, GIS, simulation, Mathematical form, interactive design and visual effects. Homepage Ming3d.com