

join us for
the Fall 2012

Bucknell in London Program:

In and Beyond the Great Classroom of London

- Experience London and Britain's sustainability efforts.
- Examine the economic, social, and political factors that are changing British life.
- Travel throughout Britain on excursions tailored to your courses and your personal interests, and make a journey to Norway and Denmark.
- Explore museums and historic sites to understand Britain's culture.
- Enjoy British theater, architecture, markets and cafes.

WHO SHOULD APPLY?

This program is open to all eligible Bucknell students. This program will be particularly attractive to civil and environmental engineering students and to liberal arts and sciences students in economics, sociology, English, history, philosophy, political science, theatre, art, and, environmental science, but may also accommodate the goals of students enrolled in BS programs, such as management and education.



THE BUCKNELL FACULTY

Matthew J. Higgins

Civil & Environmental Engineering

Professor Higgins received his Ph.D. in civil engineering from Virginia Tech and has been a Bucknell University faculty member since 1995. His teaching and research has focused on environmental engineering, environmental science and sustainability. He has taught courses for the Civil and Environmental Engineering Department as well as the Environmental Studies Program. Professor Higgins has recently focused much of his efforts on sustainability, especially as it relates to beneficial use of natural resources and wastes, with the ultimate goal of developing a sustainable society. Much of his work over the last four years has been in the UK and Europe as a technology advisor to several engineering companies and the city of Washington DC. While in living in London, he worked on several innovative processes that convert waste products to methane, and has worked to bring them to the U.S. These processes will be integrated into the Bucknell in London program during the field excursions.

Thomas C. Kinnaman, Economics

Department of Political Science

Thomas Kinnaman received his Ph.D. in economics from the University of Virginia in 1994. Since then he has served as assistant and associate professor at Bucknell University. Over the past decade he has researched the economics of solid waste and recycling. Most recently (spring of 2009) he has served as visiting fellow in American Studies at Doshisha University in Kyoto, Japan. While at Doshisha, he began collaborative research with Japanese economists on various waste issues. One such effort considered various policy options for the international trade in used durable goods such as computers and television sets. These goods are increasingly imported to developing countries but often contain hazardous waste materials that developing countries may be unable to manage. A second research initiative examined the costs of recycling specific materials (paper, plastic, metal, etc.) in Japan. This study represents the first to estimate recycling costs of individual materials.

In the summer of 2010, Prof. Kinnaman began research on the economic and environmental consequences of drilling for natural gas in central Pennsylvania. Bucknell students majoring in economics and environmental studies are collaborating in this research. Professor Kinnaman regularly teaches course in environmental economics, mathematical microeconomics, law and economics, and principles of economics.

"The best thing about taking classes in London is that you talk about something in class and then run into a real world example of it on your way home the same day."

APPLICATION PROCEDURE

Application forms are available on the Office of International Education website. To obtain full access to the application you must meet or communicate with a study abroad advisor first. In order to increase your chance of obtaining a space in the program, please apply as soon as possible. Applications are due by **February 9, 2012**. Should spaces remain, rolling admissions may be available.

All applications should be submitted to the Office of International Education. Criteria for eligibility include minimum GPA of 2.8, Junior or Senior status during the program semester, recommendation of the program directors, and a record of good conduct. See International Education in the Bucknell catalog for further information. Confirmation of participation will be due two weeks after acceptance.

INFORMATION SESSIONS

Please attend one of the following sessions held in Walls Lounge, ELC:

Tuesday, September 27, 2011

Tuesday, October 25, 2011

Wednesday, November 16, 2011

All sessions are at 6:00 PM in LC 217

Information can also be obtained by contacting:

Professor Matthew Higgins

mhiggins@bucknell.edu

172 Breakiron Engineering, 577-1972

Professor Thomas Kinnaman

kinnaman@bucknell.edu

162 Coleman Hall, 577-1476

Jennifer Fritz

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105 Taylor Hall, 577-3797

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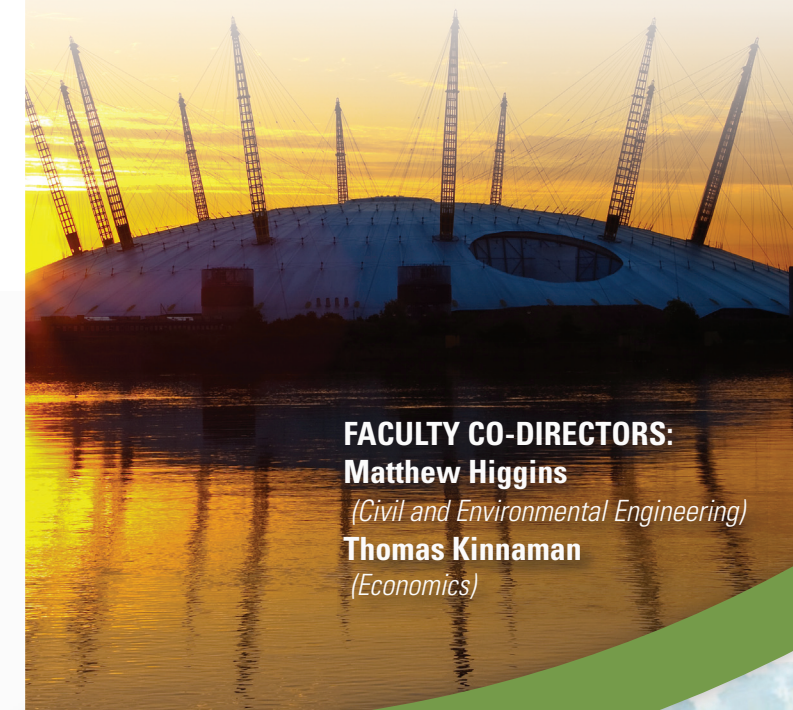
Fall
2012



www.bucknell.edu/inLondon

Bucknell in London

Sustainable London:
Environment, Economy, and Society



FACULTY CO-DIRECTORS:

Matthew Higgins

(Civil and Environmental Engineering)

Thomas Kinnaman

(Economics)

"London is an amazing city . . . there are so many different cultures and languages all in one place."





"I learned so much in London. I learned academics but also life lessons."

CORE COURSES (All Three Required)

Sustainable Cities – London and Beyond (ECON 222/CENG 448) 1 credit — Higgins & Kinnaman

Our team-taught core course introduces students to the concepts of sustainability and applies them to cases in London, the UK, and Europe. The course will evaluate core concepts such as the definitions and need for sustainability, life cycle assessments, water and carbon footprints, and sustainable policy using the UK and Europe as the backdrop. The UK and Europe have been at the forefront of the sustainability movement, and London provides an ideal location to study the implementation of sustainability. London was recently designated as a “2020 Global Sustainability Center” in an analysis performed by the Ethisphere Institute (an environmental think tank) that rated cities on environmental planning, health, transportation, regulatory framework, and education. Similarly, Grist (an environmentally focused news organization) designated London as one of the top 10 greenest cities in the world based on its aggressive plans to reduce its carbon footprint (60% by 2025) and increase the amount of local renewable energy by 25% within that same time frame. We plan to explore the policies that have led to sustainable development in London and the UK, and tour the structures implemented to achieve their sustainable goals. These sites will expose students to examples of sustainable development not existing in the United States. We also are planning field trips to other sustainable cities in the UK and to Oslo and Copenhagen, two cities at the forefront of the sustainability movement

Architecture and Art in London (ART 215) 0.5 or 1 credit — Conner

This course provides a background and context through which to view changes in British art, architecture and design. Connections between social, economic and cultural influences are reflected in the practice and content of the arts. Each class session begins with an historical background, an overview briefing with selected slides, followed by a walking tour of a museum, historical area or nearby site.

Our British colleague, Dr. Patrick Conner, has taught in many Bucknell-in-London programs and our students have enjoyed both academic and personal interactions with him. He encourages faculty to participate actively in the construction of this course so that it connects to and complements the Bucknell-in-London program. Evaluation is through class participation, papers and examinations. *This course satisfies a CLA humanities requirement and an Engineering humanities elective.*

Theatre in London (THEA 264) 0.5 or 1 credit (Co-listed as ENGL 217 Studies in Dramatic Literature) — Sullivan

This course in the London theatre introduces students to the influence and impact of British theatre and to all aspects of the London stage. Students attend plays in the West End and in Off-West-End and Pub theatres. Students read plays that complement both the theatre course and often, the wider focus of the semester. Students gain familiarity with theatre criticism as well as with numerous aspects of production from backstage visits to Shakespeare’s Globe and to the National Theatre set design and property shops.

Students will see a number of plays; keep a theatre journal of the plays attended; participate in and lead class discussions, write short essays, take examinations, and complete a theatre project that integrates aspects of their study and fieldwork in London theatres.

Anna Sullivan is a British instructor who has worked with several London Semester programs. She is an excellent teacher who not only inspires students to embrace a scholarly appreciation of theatre but prompts students to engage in acting, script writing and a bit of scene and costume design. Sullivan works with Bucknell faculty to insure that some plays she selects for her course directly relate to the theme of the program. *This course satisfied a CLA humanities requirement and an Engineering humanities elective.*

ELECTIVE COURSES

Engineering Planning & Project Management (CENG 490) 1 credit — Higgins

Most engineering students will take CENG 490, Engineering Planning and Project Management. This course is required for civil and environmental engineering students, but it is open to non-engineering students on a permission basis. The content of the course is the same as taught in Lewisburg, although the London venue will be used to enhance the course through field trips and guest speakers.

Principles of engineering planning and project management are taught and students apply these principles in a major group project. The course project is the feasibility study for the CENG 491 (civil engineering design, a.k.a., senior design) project the civil engineering students will be doing spring semester. Students in small groups of three or four will select an appropriate project in London/UK. Through the semester they will gather information about the project through research, site visits, and interviews to allow them to assess the economic, environmental, political, social, and technical feasibility of their proposed alternative solutions. At the end of the semester each group will present the findings of their study to their “client” and to the class, including BiL students not enrolled in CENG 490.

In the course the students will learn the basic concepts of project management, engineering planning (feasibility analysis), engineering economics (time-value of money), project scheduling (critical path method), and optimization. Professional ethics will also be discussed.

Field trips and guest speakers will be used extensively in the course to give students exposure to real-world project management. *This course is a W2.*

The British Economy: Structures and Policy (ECON 271) 1 credit — Kinnaman

London has served as a global financial center for over three hundred years and serves as an excellent stage for understanding several interesting and important economic concepts. Students will be exposed to the British economy of both the past and present. Topics will include the role of the United Kingdom in shaping global finance, world trade, and economic integration (the EU). The course will also focus upon the British response to the recent financial crisis – a response that varies with that of the United States. Thus “Sustaining London” in this context is interpreted as restoring and sustaining the British economy after a period of crisis and uncertainty.

Students will read a core textbook on the UK Economy, daily issues of the Financial Times, and several contemporary books devoted to the financial crisis and the UK response. Students will complete assignments, write several papers, and complete exams.

ADDITIONAL OPTIONS

Independent Study – Students may arrange independent study courses (contingent on faculty participation and approval).

Internships – It may be possible to arrange an internship for course credit during the London semester in place of one of the elective courses. *(Note: Internships are not considered to be an integral part of the program, they cannot be guaranteed. If students participate in an internship they will incur additional fees, including but not limited to a visa, as applicable.)*

FACILITIES

Housing – Students will be housed in shared flats in central London, each with cooking and laundry facilities.

Instructional Facilities – Classes will be held in educational facilities located on Great Russell Street one block from the British Museum. The buildings house a library, computer laboratory, classrooms, Bucknell’s program office, and fax, mail and email facilities. Students will be able to access the Bucknell Library and other campus web and email addresses via the internet.

FIELD TRIPS

Beyond the fieldwork and aspects of “everyday” London, we plan to visit Newcastle, Salisbury, Stonehenge and Bath as well as New Lanark. We will also journey to Oslo and Copenhagen. Students are also encouraged to travel independently as time permits, for example London is a short train trip to Paris and other major European cities.

PROGRAM SPECIFICS

Program Fee (billed to the Bucknell student account):

- Bucknell tuition
- Average charge for Bucknell *Gateway Double* room on campus

The Program Fee covers:

- Academic Instruction
- Housing
- Transportation (including airfare): New York/London round trip and a transportation pass in central London.
- Program-related field trips and excursions, including transportation, theater tickets, and museum entry fees.

Expenses Not Covered:

- Transportation between New York City or Newark and your home
- Meals ■ Books ■ Independent travel
- Personal expenses