EDUCATION ABROAD INDIA

Offered by CFAES and CoE
Exploring India‘s Culture, Engineering, and Food Systems

- Course: FABENG 5797.02 (FABE) or ENGR 5797.12 (CoE).
- Summer Term 2019: Session 1 (May 8th to June 3rd; 4 weeks)
- Partner Institution in India: The Punjab Agricultural University
Learning Objectives

At the conclusion of the course, students will:

• Understand the interdisciplinary nature of India’s Agricultural, Food, Biomedical, and Manufacturing industries;
• Compare and contrast India’s industrial sectors through on-site visits;
• Identify aspects of research and design in India that make it unique by visiting premier scientific research institutes;
• Practice skills that demonstrate intellectual/personal maturity, self-confidence, and cross-cultural understanding through interactions with entrepreneurs, engineers, and service-learning.
Itinerary

Shopping/ Money
- $1 = 74.07 rupees
- You can purchase a lot for a little!

Time Change
- Ahead by 9.5 hours

Weather
- Very warm! (~90-100°F)
- Dress modestly in linen/cotton material
Map of India

Source: http://www.mapsopensource.com/india-zones-map.html
Itinerary

- **Mumbai**
- Travel to Jalagon by train to visit **Jain Irrigation Systems Limited (JISL)**

- Jain Irrigation Systems Ltd., is a diversified conglomerate
- Global presence with 30 manufacturing bases spread over 4 continents
- They supply their products to 126 countries
- They reach over 4.5 million farmers
- It is the second largest micro-irrigation company in the world
- The company is present in the entire agricultural value chain
- JISL is an early pioneer in Internet of Things (IoT) in the agri-sector
- JISL focused on creating a sustainable future
JISL Divisions

Micro Irrigation Systems & Equipments - More Crop Per Drop®

Plastic Products - Your Lifeline to Prosperity®

Green Energy Products - Our Joint Venture with Nature

Jain Farm Fresh Food Ltd - Your Recipe for Great Taste

Social Profile

- Bhaskaraj And Kanta Daji Jain Multiple Purpose Foundation
- Gandhi Research Foundation
- JAIN Sports Academy
- KAIRA WIRES
- BAJRANGA CHANDRAHARI MEMORIAL TRUST
- Anubhuti School
- Gaursri Krishi-Tantra Niketan
- Bhaskaraj Sundaram Malharra Potential Development Academy
- JAIN Inter-Agric Institute
JISL
JAIN IRRIGATION
The Best Bottom Line is a Farmer’s Smile
Tissue Culture
Precision and Hi-Tech Farming

- Greenhouse
- Poly Tunnels
- Poly House
- Net House
Renewable Energy

Jain Farm Fresh
Gandhi Museum
New Delhi

Indian Council of Agricultural Research (ICAR)

- The Indian Council of Agricultural Research (ICAR) is an autonomous body responsible for coordinating agricultural education and research in India.
US Embassy, New Delhi

- Foreign Agricultural Service’s Office of Agricultural Affairs
Itinerary

Lotus Temple
- Baha’i House of Worship - all religions invited to worship here
- Built in 1986 by Fariborz Sahba, architect of Sydney Opera House
- Takes the shape of a lotus flower
Itinerary

Drive to Agra from Delhi
~ 4 hour drive
Itinerary

*Early Morning Yoga
  - Located at Taj Khema, facing Taj Mahal

Agra Fort aka Red Fort
  - World Heritage Site
  - Residence for Mughal emperors
  - Built by Akbar and grandson, Shah Jahan, as brick fort in 1526
  - Renovated with red sandstone in 1558
  - Shah was imprisoned by son and died in tower with marble balcony and a view of the Taj
Itinerary

*Agra Walks Culture Tour

- 2 hour tour in the old part of Agra
- Jama Masjid - one of the largest mosques in India; built by Shah Jahan in 1648
- Mankameshwar Mandira - ancient temple devoted to Lord Shiva
- Rawatpara Spice Market
- Mehtab Bagh - garden complex
Itinerary

TAJ MAHAL

- One of the seven wonders of the world
- World Heritage Site
- Built in 1632 along Yamama River
- Took 20,000 laborers and 17 years to complete
- Built by 5th Mughal Emperor, Shah Jahan, in memory of his 3rd wife, Mumtaz Mahal
- Site is completely symmetrical, including towers and mosques
Itinerary

Drive to Jaipur aka Pink City
- 5 hour drive

Stop in Fatehpur Sikri
- “City of victory” served as capital for 14 years
- Built in 1571 under reign of Mughal Emperor, Akbar
- Synthesized Muslim and Hindu beliefs here
- Came to city to visit Salim Chisti, who blessed him with a son, Salam
- Buildings made of red sandstone
- Sits on rocky ridge overlooking village
Itinerary

Amber Fort
- Construction of palace started in 1592 by Raja Man Singh
- Took 125 years to build!
- Ride elephant up hill to fort
- Served as capital of Kachhawa Rajputs
- Palace of Mirrors
- Water pumping system
Itinerary

Jaipur Foot Hospital

- Meet Dr. Jain
- Learn about the history of the Jaipur foot and how it’s constructed
- Tour the facility
Itinerary

**MNIT**

- Visit Malaviya National Institute of Technology
- Meet engineering students
- Meet ME professor, Dr. Singh
- Tour of ME lab
Itinerary

City Palace
- Complex built in 1792 by Jai Singh II
- Museums and beautiful decorations

Jantar Mantar
- World Heritage Site
- Astrological observatory
- Built in 1726
Itinerary

*Drive to Ajmer
  ▶ 3 hour drive

*Barefoot College
  ▶ Education for people located in underserved, rural areas
  ▶ Emphasis on educating women in the area of technology

*Day Train back to Delhi
  ▶ 7 hour trip
Itinerary

India Gate
- 42 meters high
- Located in center of Delhi in park
- Commemorates 70,000 Indian soldiers who lost their lives fighting for the British Army in WWI

Humayun’s Tomb
- World Heritage Site
- Last refuge for Mughal Emperor, Humayun
- Built in 1565-1572 upon the request of his widow, Hamida Banu Begum
Cultural Visits

The Lotus Temple

Qutb Minar
The Red Fort
Agra

The Taj Mahal
Agra Fort
The Punjab Agricultural University (PAU)

- Guest Lectures by PAU Faculty: Indian Agriculture, Field Crop Production Systems, Sustainable Agriculture, Precision Agriculture, Farm Machinery, Processing Technologies, Soil and Water Engineering, and Environment & Natural Resources
- Interaction with PAU faculty, undergraduate, and graduate students
- Explore multidisciplinary collaborations
- Visit to different PAU laboratories, research stations, and farm field trips
- Industry visits and visit to ICAR Institutes
- Cultural visits
Cultural Visits

The Golden Temple, Amritsar
Phillaur Fort, Ludhiana

Gurdwara Dukh Nivaran Sahib, Ludhiana
Other Program Related Information

- Program cost: $3835

- Includes round trip airfare, accommodation, and meals (breakfast, lunch, and dinner)

- Includes travel within India (train, flight, and group transportation)

- Entry fee to all cultural tours

- Program subsidized through generous funding from the Department of Food, Agricultural, and Biological Engineering and the College of Engineering by $1000

- Scholarships are available
Office of International Affairs: Application

- Plan ahead
- Know the application deadline
- Complete your application online via eductionabroad.osu.edu

Need to complete:
1. personal statement
2. advising report
3. application fee

NOTE: Some programs require an academic reference
Office of International Affairs: Financial Aid

- Understand the costs of your program
- Start researching and applying early
- Use financial aid
- Apply for scholarships
  - go.osu.edu/studyabroadscholarships
Reminders

- Deadline for application is January 3rd, 2019
- Make sure you have a passport
- Questions? Contact us
- We hope you’ll join us!
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