International Collaborative Construction and Engineering Capstone

September - December 2017
Why this opportunity?

- Collaborative/professional multidisciplinary project based learning
- Introduction to an international work environment and possible path for the future
- Changes your perspective on different cultures and geographical areas
- Scholarship opportunities
What is a “Sr. Design” experience?

- Application and implementation of all things learned prior in the curriculum in a final project scenario.
- Typical setting is to pursue a project (i.e., Pre-construction), create company, present a proposal for the project, design the project, and present.
Where in your curriculum?

<table>
<thead>
<tr>
<th>SEMESTER VII</th>
<th>SEMESTER VIII</th>
</tr>
</thead>
<tbody>
<tr>
<td>CE 4543  Proj. Design and Const. Management</td>
<td>3</td>
</tr>
<tr>
<td>CE 4123  Highway Engineering</td>
<td>3</td>
</tr>
<tr>
<td>CE 4313  Computer Aided Design in CE</td>
<td>3</td>
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<tr>
<td>CE 4603  Water Resources Engineering</td>
<td>3</td>
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<tr>
<td><strong>CORE</strong> Government/Political Science</td>
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<td>Semester Total 15</td>
<td>12</td>
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</tbody>
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Total Required Degree Hours 128
What exactly is your opportunity?

- Semester long, Fall 2017, study abroad based in Urbino, Italy
- Work with architecture and construction science and management students.
- CE students will take a total of 12 ch
  - CE 4543 Project Management and Construction
  - CE 4813 Senior Design
  - CE Special Studies-International Practice and Operation
  - CE Tech elective or optional course

Optional

- Italian History and Culture (3ch)
- On-Line offerings for university core classes (if you need) (3 ch)
Global Education Ventures
Italian Regional Map
Regione Marche
Pesaro-Urbino Area

30 Kilometers distance
URBINO
Piazza Duca Federico
URBINO
Palazzo Ducale
Historic Urbino

Modern Urbino

Campus Overview

Campus

Cafeteria

EX Monastery

Library

Entrance

1 kilometer – 15min. walk from city center to proposed campus on flat land (see pictures)
Entrance Building
- Large lecture room
- Faculty meeting room
- Breakfast area
- Various study areas

Library Building
- DVD Rentals
- Table Game – checkout
- Laundry facilities
- Various student study areas
- All studio/lecture rooms
- Very large theater room

Cafeteria
- Large cafeteria with 2-4 people tables
- Indoor and Outdoor eating areas
- Student gathering/studding areas

Dorms

All buildings have 24 hr. Reception-security
Entrance Building - COLLE

The campus is comprised of several buildings, the proposed building for UTSA is the COLLE building:

- Student breakfast area
- Large conference/lecture room
- Various student studying/gathering areas
- Faculty meeting room
- Adjacent to all student dorms
- 24hr reception
COLLE – Conference/Lecture room. This room may be used to give lectures, presentations and/or seminars. It is located a few steps from the entrance of the COLLE building.
Breakfast is served every morning in the COLLE building for students, in the morning it functions as a breakfast room, in the afternoon it may be used as a study area. This room is located adjacent to the conference room.
Study and gathering areas throughout the buildings are not enclosed, every area in the building, except for the dorms, are open, bright and have access to the outdoors.
COLLE
Student Dormitories
COLLE
Student Dormitories
All dorms in the COLLE building are single-bed, private bathroom dorms. They all have a desk and a closet. Views are to the hills or the adjacent trees. Hallway is open to the gardens.
Cafeteria Building
The cafeteria is located on the bottom floor of the building, the upper floor will be undergoing restoration in 2011.

Picture of hallway leading to cafeteria.

2 minute walk from the COLLE building, downhill.
Cafeteria Building

Dining tables in the cafeteria are for 2 max 4 people, although the room is very large there is a lack of noise. In the cafeteria students and faculty meals include:

• Breakfast (option in the COLLE building or in cafeteria at Urbino)
• Lunch
• Dinner
Cafeteria Building – The Mensa

The cafeteria is self service, good quality food. No lines.
Cafeteria Building

Student gathering areas around the entrance of the cafeteria.
Views

All buildings are connected though through outdoor pathways, this is the walk from the Cafeteria Building to the Library Building, 3 min. walk.
Library Building
This building will host the following:

- Student study areas
- Library – book and DVD checkout
- Lecture/studio rooms
- Conference room
- Faculty offices
- 24hr reception
Library Building
Student Study Areas

Additional work-study spaces nearby classrooms and library.
UTSA studio space
(above library)

Lecture/ Studio classrooms. These rooms are all located next to each other, they connect with internal doors
Studio space
Library Building
Hallways – Student gathering areas
Library Building
Hallways – Student gathering areas
Library Building
Large theater/conference room

In this large, 200 seat room, Italian students hold many events, from music concerts, to art exhibitions, to theatrical performance and movies.
Outdoor Gathering Areas
Outside the UTSA studio spaces

All buildings have extensive outdoor gathering/classroom spaces
Walking Path
From Proposed Campus to Urbino

As soon as you come down the driveway (ex-monastery) you see this street with the adjacent walking path.

The walking trail from the proposed campus to Urbino is 1 kilometer. It is a pleasant 15 min. walk.
Walking Path
From Proposed Campus to Urbino

View going towards Urbino

View going to Campus
The end of the walking path is at the main entrance of the Historic City Center of Urbino. This is where cars can park and where buses depart.
URBINO
City of Art

Self-portrait – Raffaello
Global Education Ventures

URBINO

Source: Google image
URBINO
URBINO

Osservatorio Meteorologico "A. Serpieri"
UNIVERSITA' DEGLI STUDI DI URBINO "CARLO BO"
PESARO
PESARO
FANO
Pesaro-Urbino Area
Gradara

Pesaro
Pesaro-Urbino Area
FURLO- National Park
Pesaro-Urbino Area
Dining out and Night Life
Fall 2017 Workload - 12 SCH for CSM students

- CE students will take a total of 12 ch
  - CE 4543 Project Management and Construction
  - CE 4813 Senior Design
  - CE Special Studies-International Practice and Operation
  - CE Tech elective or optional course

- Optional
  - Italian History and Culture (3ch)
  - On-Line offerings for university core classes (if you need) (3 ch)
The Project

- 8-10 acre master plan of an abandoned military base
- Architect students have designed individual dwellings for this site
- CE side will consist of group site development (roads, water, wastewater, environmental clean-up, etc.) and desire of individual dwelling from architect plans
  - Structural will most likely be reinforced concrete
Nella facoltà di Ingegneria di Milano treARINGOGLI è da secoli che l’Europa viene presa dallo studio e dalla ricerca. Prima e dopo la seconda guerra mondiale, la facoltà ha avuto una grande importanza per l’Italia e per il mondo. Oggi, con la facoltà di Ingegneria di Milano, si continua a lavorare per realizzare progetti e idee innovative.

Dopo la seconda guerra mondiale, la facoltà ha iniziato a collaborare con altre università e istituzioni per promuovere la ricerca e l’innovazione. Oggi, con la facoltà di Ingegneria di Milano, si continua a lavorare per realizzare progetti e idee innovative. Dopo la seconda guerra mondiale, la facoltà ha iniziato a collaborare con altre università e istituzioni per promuovere la ricerca e l’innovazione. Oggi, con la facoltà di Ingegneria di Milano, si continua a lavorare per realizzare progetti e idee innovative. Dopo la seconda guerra mondiale, la facoltà ha iniziato a collaborare con altre università e istituzioni per promuovere la ricerca e l’innovazione. Oggi, con la facoltà di Ingegneria di Milano, si continua a lavorare per realizzare progetti e idee innovative.
Other semester activities/aspects
(with Arch, CE, COLFA students)

- Course excursions (multi day trips each):
  - Rome
  - Veneto
  - Tuscany
- Cultural events, construction field trips during excursions, company visits
- Field trips regularly throughout the semester
- Weekend free time travel on your own - take advantage of the
- Week long fall break week for travel on your own
- Italian architects and engineers to support the teaching function
What is included in the program cost:

- Housing
- Classroom space and studio space use
- Meals - 120 lunches or dinners in the mensa(s) (debit card type system)
- Excursions lodging and travel and associated entry to museums and exhibits
- Weekly field trip transportation
- Faculty support costs
- WiFi on campus
- Opening and closing group meals
- General support from GEV personnel and faculty in residence
- An extraordinary experience
Affordable: 12 credits and a semester in Italy for approx. $5K beyond normal costs

*please note: the following figures are estimates only, taken from 2014

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<th>Urbino</th>
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<td><strong>Living On Campus</strong></td>
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<tr>
<td>Fees for 12 SCH</td>
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<tr>
<td>Supplies</td>
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<td>$450</td>
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<td>Room &amp; Board</td>
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<tr>
<td>Transportation</td>
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<tr>
<td>Personal expenses</td>
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<td><strong>Total</strong></td>
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Not included in program fee

- Transatlantic RT travel (airfare)
- Meals during excursions
- Weekend free time travel costs
- Tuition and Fees
- “Fun money”
- Telephone communications
- Other costs not specifically included
Scholarship opportunities

- $3,500 scholarships specific to CEE students for this program - funded by Donors, companies and the Dean’s office - these referred to as “program specific scholarships”. Applications in Spring 2017
- IEF - annual scholarships -
  - March 15 for fall programs
- Usual COE merit based annual scholarships -
  http://engineering2.utsa.edu/undergraduate-studies/scholarships/
What’s next:

- As of this date, estimated cost for program fee is approximately $9,500
- By Dec. 1, 2016 non-refundable deposit for all participants and first non refundable payment of $1,250 for all participants
- Payments of $1610 due on Jan 15 through May 15, 2017
- If receiving scholarships, they will be applied at the back end of the payment schedule (ie. Last payments).
- Preparatory sessions during the spring semester, 2017
Life Changing

- Develop a more global view of the world and the role that design and construction of the built environment plays in enriching culture
- Broaden your experience and knowledge base regarding working in an international setting, and making relative adjustments in the design and construction process
Don’t miss out on this opportunity!

- Decide
- Commit
- Apply (for prog & for scholarships)
- Pay and prepare
- Go
- Learn
- Change
- Enjoy
- No regrets!
Urbino The power of place
Questions!