



**THE OHIO STATE UNIVERSITY**  
COLLEGE OF ENGINEERING

# Engineering the Castles and Cathedrals of England and Wales

## ENGR 5797.13

**Credit Hours:**

3.00 - 3.00

---

**Course Levels:**

Undergraduate (1000-5000 level)

Graduate

---

**Course Components:**

Lecture

Field Experience

---

**Course Description:**

A study abroad trip to England and Wales for the purpose of understanding the importance of several iconic castles and cathedrals and the various methods used for their construction. Participants must be physical fit enough to walk an extended length of time, negotiate rough terrain, climb steep steps, and not be afraid of heights.

---

**Course Goals / Objectives:**

- Increase the student's knowledge of the culture of England and Wales.
  - Increase the student's knowledge of the engineering techniques and construction methods behind various castles and cathedrals.
  - Increase the student's knowledge of how various castles and cathedrals influenced the local society.
  - Students will construct an integrated perspective on history and the factors that shape human activity.
  - Students will describe and analyze the origins and nature of contemporary issues.
  - Students will speak and write critically about primary and secondary historical sources by examining diverse interpretations of past events and ideas in their historical contexts.
  - Students will understand some of the political, economic, cultural, physical, social, and philosophical aspects of one or more of the world's nations, peoples and cultures outside of the United States.
  - Students will recognize the role of national and international diversity in shaping their own attitudes and values as global citizens.
  - Students evaluate significant cultural phenomena and ideas in order to develop capacities for aesthetic and historical response and judgment; and interpretation and evaluation.
  - Students understand the pluralistic nature of institutions, society, and culture in the United States and across the world in order to become educated, productive, and principled citizens.
- 

**Course Topics:**

- Understand the construction methods behind castles and cathedrals.
  - Make a presentation on the student's assigned castle, cathedral, or other engineering item.
  - Tour England and Wales
- 

**Designation:**

Elective

General Education Course