

Georgia Tech Lorraine, European Campus of the Georgia Institute of Technology
STMW: Regions of Europe (HTS 2100)
Spring 2014 2013
Course syllabus

Instructor

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Course Description

HTS 2100 is a new field-trip based course that introduces students to science and technology in the modern world through a comparative look at contemporary industry in Europe. Through a series of day-long field trips to sites in the Lorraine region of France, the “Grande Region” (Lorraine, Luxembourg, southern Belgium and southwest Germany), and the EU, the course provides a unique, first-hand experience – “seeing” science and industry at work – not available on George Tech’s Atlanta campus. Combining industrial visits with short lectures, student presentations, electronic fora, readings, and class discussion, the course introduces GTL’s international students to the history and dynamics of European regions in a global context through participatory learning. Class materials and presentations, combined with sites, allow students to consider their own personal and professional futures as global citizens and engineers.

Grading

Course assessment will be based on the following formula:

Attendance	40%
Site visit responses	20%
Industry presentation	15%
Final group projects	25%

Attendance on course field trips, as well as at class meetings, is required. Students may have one unexcused class absence during the semester. More than one unexcused class absence, or absence on any site visits, will result in the loss of half a letter grade. After each site visit, students will post an electronic response to a class wiki on T-Square. Short lectures will take place during regular class hours. Students will complete two presentations during the semester. First, to prepare the class for site visits, pairs of students will present the industry and company for each visit. Small groups of students (max. 3 persons) will also prepare projects at the end of the semester on science, technology, and industry in various regions of Europe, which they will present to the class. Final course grading will be done on a letter basis and will be rounded up on the half percentage point (i.e. 89.5% = A). Final grades will not be available until the Monday following the end of the exam period through Oscar.

Reading Material

Required reading material will be posted on T-Square. No textbooks are required.

Honor Policy

Students are expected to abide by the Georgia Tech honor code. All infractions will be handled through the Office of the Dean of Students and treated with the highest degree of seriousness.

Course Visits

The following is a list of past site visits. Students should count on five visits in the spring semester; the actual list will not be determined until January. All visits take place on Fridays. We will normally return to GTL by 5pm.

- *Saint Gobain PAM* – global ductile pipe factory
- *Voelklinger Hutte & Dillinger Hutte GTS* – UNESCO World Heritage site and specialty steel production plant
- *SMART Car* – world automobile production
- *Magna International* – world automotive supplier
- *Ikea Distribution Center* – regional logistics
- *EDF Cattenom* – French nuclear reactor
- *Andra Laboratory* – French underground nuclear waste disposal lab
- *Rehau SA* – global polymer manufacturer
- *Les ailes mosellanes* – regional air club
- *CERN* – European high-energy particle accelerator