IAC@GTL: Courses

**Core IAC Faculty:**

\***Professor Vicki Birchfield (INTA)** is in residence at GTL for the next three to five years.

\***Professor Tim Stoneman (HSOC)** is a full-time faculty member at GTL

\***Professor John Krige (HSOC**) will be in residence for the fall 2017 and spring 2018 and frequently teaches during the summer semester.

\*Other IAC faculty who regularly teach during the summer semesters: **Ippolito (ML-French), Colatrella (LMC), Nair (ECON)**

**Courses during the Fall and Spring Semesters:**

\*Two of the following courses, INTA 2221 and HTS 2100, are trip and site visit based courses with limited classroom instruction. While there are certainly intellectual complementarities among some of the courses, there is no duplication, but rather different formats and emphases. For instance HTS 2037 and INTA 2221 would be an excellent pairing to couple in–depth historical and conventional classroom instruction with experiential learning opportunities. Both of these courses are eligible for the Certificate in European Affairs. Likewise, HTS 2100 is a site visit based course that complements well courses such as HTS 3080 and INTA 2220 or INTA 2221

**INTA 2221: Politics of the European Union**

**\*Offered every Fall and Spring**

**\*Fulfills the Social Science/Humanities credits and is eligible for IP credit**.

**\*The course is field-trip based with the site visits taking place during two weekends of the semester and during the once per week normal class time (dates provided before arrival in Europe).**

**Description**: The main objective of this course is to provide an in-depth introduction and overview of the history and politics of the European Union from its inception to current events and aims to show why Metz and its environs are so central -- culturally and strategically-- to the story of Europe and the European project**.**  Studying European integration from the Georgia Tech campus in Metz, France provides a unique vantage point as the Lorraine region lies at the very heart of the historic rivalry between France and Germany that produced three major conflicts (the Franco-Prussian war and the two World Wars) but that would come to symbolize unity and reconciliation through one of the most ambitious and successful peace projects the world has ever known. **Students will get to see first-hand EU institutions and various sites that they could not see on their own and have interactions with locals and expert guides that will enrich the intercultural learning process.** Examples of site visits: Maison de l’Europe/Robert Schuman House and Museum; Franco-Prussian War Museum; WWI & WWI battlefields; memorials and cemeteries; Fort Hackenberg/Maginot Line; European Parliament (Strasbourg); European Court of Justice (Luxembourg); Trier, Germany, Struthoff/Nazi concentration camp; Brussels: Parlamentarium Museum and guided tour of the EU district and historic center of Brussels.

**INTA 2220: Government and Politics of Western Europe**

**\*Offered every Spring**

**\*Fulfills the Social Science/Humanities credits and is eligible for IP credit**.

**Description:** The purpose of this course is to provide a general overview of the major political systems, political cultures and societies of Western Europe. Using broad concepts in political science and a comparative analytical framework, the course explores the historical, institutional and cultural context within which current political and economic dynamics are playing out across Europe. Special emphasis is placed on current politics in France, Germany and the United Kingdom as well as the impact of European level policies on national politics. **Optional opportunities for private, guided tour of the French National Assembly in Paris, Hotel de Ville of Metz and European Parliament in Strasbourg.**

**INTA 3050: The Meaning of Global Citizenship**

**Offered every Fall**

**\*Fulfills the Social Science/Humanities credits and is eligible for IP credit and senior capstone credit for IAC and CS majors pursuing the International Plan. Eligible course for the Joint Development Minor with Mechanical Engineering**

**Description**: The course explores the meaning of *global* citizenship as it has evolved conceptually in scholarly and public debates and how it is “practiced” by individuals and “institutionalized” by universities, corporations and other organizations that deploy the concept as a strategic goal or a set of value commitments. This is a cross-listed graduate/ undergraduate seminar course designed for students from different disciplinary backgrounds from science and engineering fields to the social sciences and humanities. The intellectual and academic content of the course allows students to draw on their educational and professional experiences as well as engage with concepts, methods and theories taught in the course and apply them effectively in both their individual research and group projects to “formulate strategies and policies to cope with international problems and global society’s ‘grand challenges.’

**HTS 2100: Industrial Regions of Europe**

**Offered Fall and Spring**

**\* Titled Science and Technology in the Modern World in the GT course catalogue**

**\* Fulfills the social science and ethics requirements and is eligible for IP credit**

**\* Course requires travel**

As taught at Georgia Tech Lorraine, HTS 2100 examines European science and technology through the lens of industrial regions. The course combines the history of technology with economic geography and industrial archaeology to explore the role of industry in the development of the Lorraine region, located at the commercial crossroads of Europe. Through visits to local production sites of leading companies and to scientific laboratories, students learn the importance of place and acquire a global view of industrial processes, both geographically and environmentally.

Note: This course requires 4 or 5 travel days—always on Fridays. Examples of site visits: BMW (Munich) CERN, Airbus, SMART Car, EDF Cattenom (nuclear power plant), and ArcelorMittal, the world's largest steel company, to name a few, as well as a local *boulangerie*, glass-blowing workshop, renewable electric utility, and trash center.

**HTS 2084: Technology and Society**

**Offered every semester**

**\* Fulfills the social science and ethics requirements**

The course combines the history of technology with world history, focusing primarily on Europe and the city of Metz, France. A series of historical case studies considers the social sources of technological innovation and examines the widening impact of technological change over the long course of human time. By the late nineteenth century, a decisive shift occurred in Europe from a craft to an industrial system-based society. The course encourages student reflection on two questions: what it means to live in a technological world and the place of travel in a globalized consumer society.

**HTS 3080: History of Rocketry**

**Offered Fall 2017 and Spring 2018**

**Description:** This course offers a global history of rocketry that situates the technological achievements of the space age in a social and political context. It explores the birth of guided missiles as weapons of war in Nazi Germany and traces the movement of German engineers into the United States and the Soviet Union after the war. The course then studies the Cold War via the space race triggered by the ‘Sputnik shock’ of October 1957, the birth of NASA, US-Soviet rivalry over human space flight and the triumphant landing of men on the moon in 1969. The very different technological trajectory followed in Europe is described as well as the emergence of Europe’s highly successful rocket Ariane. The rivalry between Ariane and the Space Shuttle is explored as an example of US – European technological competition, that was fuelled by the tragic accidents of the Challenger and Columbia orbiters that are explained to round out the course. Students interested in the social and political dimensions of technological change in disruptive technologies that are key instruments of national prestige and military power will derive considerable benefit from this course.

**HTS2037: 20th C Europe: Science, Technology and Postwar European Integration**

**Offered Fall 2017 and Spring 2018**

**\*Fulfills the International Relations (IP), Social Science Requirement**

**Description:** This course introduces students to the integration of Europe as a solution to the problems that beset the region after World War II, notably building a strong economic and democratic political system that could contain both German nationalism and Soviet communism. It covers the period from the Marshall Plan for social and economic reconstruction through the creation of the European Economic Community of the Six and of Euratom (for nuclear power), until the enlargement of the EEC. The course has two important features that set it apart. First, the place of science and technology as platforms for European integration is included: it is usually overlooked. Second, the role of the Eisenhower, Kennedy, Johnson, and Nixon administrations in promoting European integration is emphasized. Particular emphasis is placed on the need to curb nuclear and missile proliferation in France and Germany in the interests of building a stable international order.

\* **Global Economics (ECON 2101),** taught by a local instructor, is also offered every fall and spring.

**STUDY FRENCH in FRANCE!** In addition to these regularly offered IAC courses, students also have the option of taking beginning, intermediate or advanced level French classes (for ML credits 1001, 1002, 2001, 3014) offered each semester taught by locals/native speakers.