ENGLISH TRACK COURSE CATALOG

University of Bordeaux
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ECONOMICS
University of Bordeaux

LICENCE 1

GLOBAL ECONOMIC LANDSCAPE– ECON 105 – 4.5
The course covers three main topics: measuring the per capita income of countries; measuring inequalities; and measuring poverty. Students examine key indicators; how these indicators are actually constructed using available data; and the conditions for their comparison over time and between countries.
Volume horaire CM 16,5

LICENCE 2

EUROPEAN ECONOMICS– ECON 100 B – 4.5
The European Union: history, facts and institutions.
The common market and EU micro policies
From European monetary system (EMS) to Euro.
Economic governance. Economic and social cohesion.
Volume horaire CM 16,5

LICENCE 3

GLOBAL FIRM– ECON 104 – 4.5
This course covers themes such as the criticisms of globalization, reasons firms engage in international business, modes of operational in international business, and types of international organizations. Some topics covered include threats to national sovereignty; expanding sales; minimizing risk; merchandise and service exports and imports; tourism and transportation; investment; collaborative arrangements and strategic alliances; multinational enterprises; and international business growth.
Volume horaire CM 17,5

BUSINESS GAME – 5.0
Volume horaire TD 30

CORPORATE FINANCE– ECON 106 – 4.5
The course focuses on the complex web of incentives created by financial claims and the impact it has on entrepreneurship and access to credit and financing, as well as on the profitability of firms. It draws on the literature of industrial organization and contracts theory, and will mostly use theoretical models.
It will in particular study (time permitting)
- The role of lenders in screening projects and monitoring performance,
- The choice between equity and debt,
- The impact of the capital structure on competition, market power and profitability,
- The impact of legal rules, concerning for instance debt priority,
- And topics related to recent real-life examples.
Volume horaire TD 3 + CM 17,5
COMPETITION POLICY – ECON 155 – 4.5
This course helps students understand the legal and institutional framework of anti-trust policy as well as the economic concepts and theories underlying competition policy. It draws on the literature of industrial organization and gives examples of cases in European competition policy.
*Volume horaire*  TD 3 + CM 17,5

DEVELOPMENT ECONOMICS– ECON 103 – 4.5
The course is divided into four parts. Topics include poverty measurement and analysis; studies regarding social transfer programs; methods of impact assessments of development interventions; studies regarding poverty reduction programs; and microfinance services for the poor.
*Volume horaire*  TD 3 + CM 17,5

EUROPEAN ECONOMIC INTEGRATION– ECON 100 G – 4.5
This lecture is an introduction to the analysis of the process of economic integration in Europe. It starts with a definition of the economic integration process then moves on to a wider European perspective. It then identifies the main stages of the process of economic and political integration in Europe since 1945. Then it turns to a thorough examination of the impact of economic integration, mainly through trade and finance. Finally, it examines how the creation of EMU (European Monetary Union) has affected the pace of economic integration in Europe and how this process has affected the functioning of the European Monetary Union in return.
*Volume horaire*  TD 3 + CM 17,5

EMU : ISSUES AND CHALLENGES
*Volume horaire* CM 17,5

MASTER 1 COURSES

ASSET MANAGEMENT – 3.5
*Volume horaire* CM 18

ECONOMETRICS OF CAUSALITY – 4.5
*Volume horaire* TD 15 + CM 12

GEOGRAPHY OF INNOVATION – 3.5- ECON 163
*Volume horaire* CM 18

INTRODUCTORY ECONOMETRICS - 4.5
*Volume horaire* TD 15 + CM 12

PUBLIC ECONOMICS – 3.5
*Volume horaire* CM 18

REGULATION AND COMPETITION POLICIES – 4.5
*Volume horaire* TD 6 + CM 18
ENGLISH AND NORTH-AMERICAN LITERATURE AND CIVILIZATION

http://www.u-bordeaux-montaigne.fr/fr/formations/offre-de-formation-2016-2020.html
Bordeaux Montaigne – Department of English

SPRING SEMESTER

Link to the full course brochure of the English department, which includes more detailed course descriptions and bibliographies:

LICENCE 1 – Semestre 2

LIA2Y1 – TRADUCTION 2 – 4.5 – FR 178 B
Apprendre à traduire un texte littéraire contemporain simple en respectant le style et le registre. A good level of French is required.
Se sensibiliser aux procédés de traduction, à la syntaxe comparée de l’anglais et du français.
Acquérir le vocabulaire de la vie courante.
LIA2M11 - 1 h de Thème : traduction français-anglais
LIA2M12 - 1h de Version : traduction anglais-français
Volume horaire TD 24

LIA2Y5 / LIA2M51A – NORTH-AMERICAN CIVILIZATION I – 4.5– HIST 110 B
The class’s main aim is to give students some basic knowledge about the history an sociologo of the United States. It deals with the early days of the country (starting with the revolution of the 13 British colonies). It will then examine the main other myths of the country (Frontiers, Immigration, American Dream, Communities). The second part of the semester will also introduce basic tenets regarding the making of the country (notably with a focus on how the USA was peopled over time). Primary documents will be analyzed (as well as excerpts of videos). The class will be given in English and the students are expected to take an active part in the exchanges.
Program:
Creating the United States ; Freedom of Expression ; Puritanism and Capitalism
Frontiers and Immigration ; The « American Dream » ; Race, Gender and Sexuality.

LIA2Y6 / LIA2M61A – AMERICAN LITERATURE I – 4.5–
This course introduces students to American literature through various short stories written by some of the most renowned American authors. The aims of this course are
● to encourage students to acquire the reading skills necessary for literary study.
● to enable them to construct and convey meaning in speech and writing.
● to help them appreciate the formal ways in which authors achieve their effects.
● to develop their knowledge of literature.
LICENCE 2 – Semestre 4

LIA4Y1 – Traduction 4 – 4.5– FR 178 B
Approfondissement de la pratique de la traduction engagée en L1 à partir de textes de littérature et civilisation. **A good level of French is required.**
Sensibilisation à la stylistique comparée du français et de l’anglais.
Pratique raisonnée de la traduction des temps du passé.
Approche de la traduction des registres de langue.
Apprentissage de vocabulaire : champs lexicaux spécifiques à la littérature.
LIA4M11 - 1 h de Thème : traduction français-anglais
LIA4M12 - 1h de Version : traduction anglais-français
**Volume horaire TD : 24**

LIA4Y4 – AMERICAN CIVILIZATION – 3.0
This is a survey course of North American literature from the first voyage narratives until today. The major trends, genres and authors are explored. We look at how American literature gradually shed its European heritage to finally come of age in the 19th century, and then came to be one of the major national literatures on the world stage in the 20th century.
Group work classes analyze specific texts published in Françoise Grellet’s anthology which is required reading.
Student must read 3 of the following texts:
**Volume horaire CM : 12**

LIA4Y5 – AMERICAN LITERATURE – 3.0
There is no such thing as THE history of American literature. At best this course will be A history. Nothing can replace the experience of reading but most people, even in a lifetime of reading, are unable to read all American literature and most of us find it helpful to learn from the experience of others. Like all survey courses, this course will be partial in both senses of the term: there will be gaps (left for you to fill) and it will probably reveal my own tastes. The course is designed to help you think about and situate in both time and space the American authors you read. It is meant, in other words, to help you find your way.
**Volume horaire CM : 12**

LIA4Y7 – BRITISH & COMMONWEALTH LITERATURE 2 – 5.0 –
The Romantic Imagination : from Keats to Yeats
The Hound of the Baskervilles
**Volume horaire CM : 12**
**Volume horaire TD : 24**

LIA4Y8 – BRITISH & COMMONWEALTH CIVILIZATION 2 – 5.0 – HIST 169 B (À VERIFIER)
Great Britain from 1660 –à 1832: history of ideas and arts
**Volume horaire CM : 12**
**Volume horaire TD : 24**
LICENCE 3 – Semestre 6

LIA65Y1 – TRADUCTION 6 – 4.5 – FR 178 B
An excellent level of French is required.
La traduction vise l’acquisition et le renforcement de compétences dans le domaine de la pratique traductive, la faculté de rédiger en français et en anglais, et de mener une réflexion théorique sur les langues et la traduction. Il s’agira notamment d’apprendre à traduire un texte littéraire, de civilisation ou de presse, dans les deux sens ; de parvenir à maîtriser les différents procédés de traduction, un lexique élargi et enrichi, en fonction du registre et du contexte ; maîtriser la syntaxe comparée de l’anglais et du français ; la traduction des temps du passé ; le maniement des registres de langue ; la traduction des références culturelles.
LIA6M11 - 1 h de Thème : traduction français-anglais
LIA6M12 - 1 h de Version : traduction anglais-français
**Volume horaire TD : 24**

LIA6Y4 – NORTH-AMERICAN CIVILIZATION 3 – 6.0 – HIST 173 B (À VERIFIER)
Four themes are presented in this course :
Environmental History
Art and Nation building
Anti-communism in the United States, 1945-1957
A history of African Americans from Brown to Obama: 1950-2010
**Volume horaire CM : 24**
**Volume horaire TD : 36**

LIA6Y5 – BRITISH A COMMONWEALTH LITERATURE 3 – 4.5 – ENGL 118 B
Four themes/authors are presented in this course :
Daniel Defoe, Robinson Crusoe
Waiting for the Barbarians, Coetzee
William Shakespeare, Twelfth Night (1601) and postmodern approaches to early modern drama
Samuel Beckett, Endgame: A Play in one Act
**Volume horaire CM : 24**
**Volume horaire TD : 36**

LIA6Y63 – VISUAL ARTS 2 – 4.5–
Frankenstein from Novel to films
This course will examine the various appropriations and recreations of the myth of Frankenstein, from its inception in 1816 on the shores of Lake Geneva to the latest films and series. We will study how each of its revivals selects themes and features that focus on characteristics that make sense of particular aspects in a given context. Film analysis will be of much use in this endeavor to understand the choices made by filmmakers.
From the big screen to the small one: the evolution of the American Horror film
This class will survey some of the main stages in the evolution of the American horror film. Starting from its literary influences, it will then focus on its growth and on its relationship with the then budding television (in the 1950s). The role of the TV news and the Hays code will be analyzed (in the 1960s). And, as the heydays of the horror films are reached in the 1970s (with the involvement of the New Hollywood in the field of horror), it will eventually be observed how the conventions of the genre have successfully spread into some of the best TV series at the turn of the century.
**Volume horaire TD 36**
Master 1 – Semestre 2

Link to the full course brochure for the MASTER of the English department, which includes more detailed course descriptions and bibliographies:

MIA2Y21 – TRANSLATION AND GENDER / GENRE – 4.5
Course only given on-line
This seminar, which associates the issues of gender and genre, aims at examining the defining, creative, and deconstructive functions of genre/gender in the fields of translation and transcultural exchanges. Both genre and gender involve identity issues which always have to do with those of power, domination and hierarchies. These concepts also question norms and conventions.
The divisions of genres and genders in the field of translation will be studied in a historical, sociological and literary perspective in the light of dominant ideologies, editorial policies, the distribution of tasks in the trade, individual and collective translative strategies, etc. One of the aims of this seminar is to show, in the field of what we could call “literary translatology”, the complementary nature of textual and sociohistorical analyses on the one hand, and of ethical, esthetical and political issues on the other.
French AND English will be used in this seminar.

Course only given on-line
This seminar offers to read the construction of the Shakespearean persona and subjectivity through one specific event: the fall of the mask on stage. How does the mask of kingship fall? What lies behind? What does it take to make the servant’s mask drop? Should we laugh or shudder as we discover that the character has become the mask? Can the mask supplant the face it covers? Is the face beneath nothing more than another mask? These initial questions will lead us to query the notion of the subjective on Shakespeare’s stage, as we consider specifically the notions and theatrical devices of persona, façade, mask, characterization, and psychomachia. The seminar will investigate several Shakespearean plays, in the light of Greek tragedy. Specifically: Twelfth Night, Measure for Measure, Richard II, Richard III, King Lear.

MIA2Y30 – Mass Culture and Popular Culture: Comics in the USA – 4.5
Exploration of visual arts, comic art / cartoon art, starting in the 19th century, in the USA, Canada and Great Britain.
Volume horaire TD : 24

MIA2Y24 - Myths and Icons in Victorian Britain – 4.5
The focus of the seminar will be on identifying key images in the Victorian imagination and analyzing the process through which these figures became loaded with meaning.
Throughout this seminar, we will be asking how, in an age of growing class conflict, gender (re)definition, technological progress, and scientific enquiry, symbolic figures aggregated hypotheses emanating from various fields of interest. Oral presentations will be supported by visual material and will explore the complexities and contradictions crystallized in iconic images considered in a Barthesian perspective as products of the Victorian cultural history.
Volume horaire TD 24
MIA2Y31 - POLITICS, CULTURE AND THE ARTS IN 18TH CENTURY BRITAIN – 4.5

**Britain and the French Revolution: The Political Culture of the 1790s**

This seminar offers an introduction to the political culture of the 1790s in Britain, a decade that was shaken by the French Revolution and its repercussions, mainly the "French Wars" against revolutionary, and later, imperial France from 1793 to 1815.

**Music, politics and religion in 18th-century Britain**

This seminar aims at studying the rich connections between the worlds of music, politics and religion in 18th-century Britain. Following George Frederic Handel’s arrival in England in 1712 (originally as Georg Friedrich Händel from Germany), the production of court music, operas and religious oratorios resulted from an intense and fruitful dialogue between composers, men of the Church and the world of politics.

**Volume horaire TD : 24**

MIA2Y25 – THE CHOREOGRAPHY OF SPEECH: INTRODUCING GESTURE STUDIES – 4.5 LING 141 (À VÉRIFIER)

Speakers are social movers (Birdwhistell 1970) who physically engage in communication. Their bodily moves are not only meaningful but patterned. In this seminar we learn to observe how speech is “orchestrated to a choreography of the human body” (Asher 1972). We look at how meanings- abstract or concrete- are not only produced but actually performed on the interactional stage. We start by observing facial expressions and co-speech gestures in silent movies. We gradually become aware that speech production necessarily comes with gestural action. We soon come to realize that vocal activity necessarily combines with other forms of semiotic expression. We try to elicit the pragmatic and representational functions of head tilts and nods, eyebrow activity, movements of the hands and arms, etc. We analyse the interpersonal, cohesive and representational properties of gesticulation. We learn how to observe, record and interpret gestural activity and gestural symbolism in context. We explore the relationship between grammar and gesture, i.e. how grammatical meanings are simultaneously encoded at the verbal and gestural levels. We also discuss language learning issues, ranging from TPR (“total physical response” strategies) to KineGrams (using gesture to explain how language works in the foreign language classroom).

**Volume horaire TD : 24**

MIA2Y26 – “INDIANS IN UNEXPECTED PLACES”: NATIVE AMERICAN INTELLECTUALS AT THE TURN OF THE CENTURY – 4.5

This master’s seminar will be focused on a very significant and productive, although badly known, period in the history of Native Americans in the United States.

At the turn of the 20th century, after the end of the 19th century so-called Indian Wars (Wounded Knee Massacre in 1890) and before the Indian Reorganization Act (1934), or more specifically during the Progressive Era (roughly between 1890 and 1920), people interested in the future and well-being of Native Americans seem to have produced a concerted effort to finally achieve what they called the “civilization” of the Indian, or his “assimilation,” and solve what was known as “the Indian problem.”

Many non-Native people, known as “Friends of the Indian,” gathered in various organizations, the most influential of which was the Lake Mohonk Conference, which had a considerable impact on Indian policy at that time.

What we will be studying, though, is the intellectual production of Native Americans themselves, some of whom participated in the Lake Mohonk Conference, while others finally
decided to create their own exclusively Native American association, the Society of American Indians (SAI, 1911-1923).

**Volume horaire TD : 24**

**MIA2Y27 – NINETEENTH-CENTURY AMERICAN LITERATURE: TRANSCENDENTALISM AND UTOPIA – 4.5**
This seminar will explore the relations between Transcendentalism and various reform movements and utopian projects of the 1830s, 1840s, and 1850s, in the areas of religion, education, women's rights, socialism, pacifism, and abolitionism. Special emphasis will be placed on three themes: 1) the religious and philosophical roots of the idea of human perfectibility; 2) the self-image of the age (the nineteenth-century as the Age of Progress), and its critics; 3) the tension between individual and collective ideals of reform.

**Volume horaire TD : 24**

**MIA2Y28 – GENDERED VOICES OF THE FILM: FROM EMPIRE TO DIASPORA – 4.5**
The focus of this seminar is upon representations of the links between the British Empire and colonialism from the 1930s to the present time in colonial and postcolonial cinema. We will explore a variety of perspectives, from postcolonial studies to gender and cultural studies, in order to examine how the empire film relies on figures and stereotypes that the cinemas of decolonisation and the diasporas reappropriate through strategies of irony and subversion. We will study the way the identification of the nation to gendered figures informs narratives and representations and how female directors have offered alternative discourses in various contexts of production.

**Volume horaire TD : 24**

**MIA2Y29 – FROM BRITISH TO AMERICAN MODERNISM—WRITING AND/IN CRISIS IN LITERATURE AND THE ARTS – 4.5**
This seminar is about literary and artistic production during the Modernist era seen as a period of crisis (from the Greek *krisis* meaning “decision”), that is both a moment of rupture and a critical moment in the field of art and literature after the First World War. It was also the moment when modernity began with the development of science and technology, the advent of psychoanalysis (the discovery of the unconscious) and the boom of the consumer society during the American Prosperity.

In America this new literary “modernity” will be examined in the field of fiction through works like Dos Passos’s *1919* (1932), Hemingway’s *The Sun Also Rises* (1926), and F. Scott Fitzgerald’s *Tender is the Night* (1934). Each novel will be an opportunity to study the tension between satiric representation and formal experimentation, that is, as Michael Levenson put it, the “creative violence” characteristic of Modernism.

The second part of the seminar will be devoted to British Modernism, which will be studied through the lens of gender, both as a literary and artistic category, and as a culturally constructed divide. We will see how women activists like the Suffragettes and writers like Dorothy Richardson or Virginia Woolf contributed to this moment crisis, and how the notions of masculinity and femininity were questioned by the figures of the “New Woman” and of the androgyne. Indeed this questioning of sexual norms is reflected in the unconventionality of literary genres and in the fluidity of boundaries separating them.

**Volume horaire TD : 24**
FRENCH

English track students are required to follow one course of French Language.

The French language courses are organized by the DEFLE (Department of French as a second language) at the University of Bordeaux Montaigne.

Students take a mandatory language test that will determine in which level students will be placed. Students cannot choose the course by themselves.

For students with no French or very little French, a specific course is organized for the UC students by the DEFLE.

Students who already have an intermediate level, can integrate the regular courses of the DEFLE.

Courses vary from 3.5 to 6.0 units.

FRENCH GASTRONOMY

Course offered by the Bordeaux Study Center to the UC students – 5.0 – FR/HIST/SOC 190

This course on French gastronomy will aim at giving the students an overview of how the food and wine culture became such a distinctive feature of life in France. Two teachers will address both the subjects of food and wine, with a view to giving as informative a perspective as possible. The evolution of French food culture will be tackled through the study of ancient recipe books and landmark texts on gastronomy. Regional cuisine and wine areas will also be given special attention as well as the rituals around food and wine. The course will thus rely on historical facts, sociological data and economic figures but it will also be an opportunity to get as close as possible to French gastronomy thanks to field trips, dinners and tastings. The perspective will be both French and foreign as it will welcome the students’ experience and ideas about French gastronomy.
MISCELLANEOUS

Université Bordeaux Montaigne

PHILOSOPHY

LEA2U3 – David Humes’s scepticism and it’s legacy in Britain & the United States – 5.0
Historian, essayist, and a central, controversial figure in the Enlightenment, David Hume (1711-1776) is one of the greatest philosophers in the British tradition and the most influential skeptic of the modern era. The primary focus of the course will be on the nature of David Hume's skepticism and its legacy in Britain and the United States, from Scottish "Common Sense" philosophy to New England Transcendentalism.
We will begin with an overview of Hume's experimental method and his conception of human nature and the limited power of reason within it, in contrast to the power of feeling, the imagination, and natural belief-formation. In this overview of his philosophy and its reception at home and abroad (with glances at Germany and France), emphasis will be placed on what his readers and critics saw (and continue to see) as "the two Humes"—"Hume the skeptic" and "Hume the naturalist": on the one hand, the skeptic for whom neither reason nor the senses can justify our belief in the existence of an ongoing external world or in a stable personal identity or unified self; on the other, the philosopher who considers that "nature is always too strong for principle" and that the skeptical conclusions of philosophy turn out to be, in view of the power of the imagination and the mechanisms of natural belief-formation, of little or no practical consequence in the conduct of everyday life.
We shall also examine the implications of his skepticism for moral philosophy and religious belief. Finally—and since this course is part of a philosophy-English curriculum—we shall not omit careful consideration of one of Hume's greatest strengths as a philosopher: his consummate style. We shall see how the many examples of humor and irony further the skeptical aims of one of the finest philosophical writers in the English language.

Volume horaire CM : 18 + TD : 18

LEA4U2 – Philosophy in English 4 – 5.0
No program information.

LANGUES ETRANGERES APPLIQUEES (applied foreign languages)

LMA4Y2 – Civilisation des pays anglophones 4 – 4.5
Introduction to the civilization of English speaking countries of Africa and Oceania.

Volume horaire CM : 14 + TD : 12

SOCIOLOGY

LEA2U3 – Intercultural project –
Collecting information to create a documentary on France and another country (on education, youth, etc). Work in a transversal, multidisciplinary way and participate in team effort in an international environment.

Volume horaire TD : ?
POLITICAL SCIENCES

SCIENCES PO BORDEAUX

More detailed information on the following link:
http://www.sciencespobordeaux.fr/fr/international-student/programmes-d-echange/english-track.html
Then click on « Courses offered » (semester 1 is Fall – Semester 2 is Spring)
For the English track students: maximum of 4 courses are allowed at Sciences Po.

Licence courses

COMPARATIVE POLITICS – POLS 131 -3.5
This course provides students with a basic introduction to comparative politics and the comparative method by comparing and contrasting various forms of political regimes in the world. Focusing on key terms, concepts, and theories, the course builds upon a foundational typology of political regimes and examines important political actors (national leaders such as presidents and prime ministers), political institutions (legislatures, bureaucracies, courts, regional/local governments), political processes (elections and democratic transitions), and patterns of political competition (party systems in democracies). While it is concerned primarily with democracies and transitions to democracy, the course will also cover various forms of autocratic systems, and will include a discussion of the role of the military in politics. Through lectures, reading, and discussions, students who complete this class successfully should emerge with a broad base of knowledge that will allow them to understand political systems and events in any country that is of interest to them.

THE WORLD AS IT IS: CURRENT STRATEGIC ANALYSIS - 3.0
The aim of this course is to study the way one can practice nowadays Strategic Analysis so as to understand the current situation in the World. The point is to deliver precise benchmarks and a methodology tailored to Strategic Analysis. The course will be divided in 2 main parts: the first 8 sessions will be devoted to the core elements for SA, then sessions 9 to 12 will focus on 4 non-western regional areas. Each session will rely on precise facts i.e maps (with the special Corto™/Spallian software), graphs and tables. A bibliography with the most important references will be given for each session.

INTERNATIONAL RELATIONS THEORIES: AN INTRODUCTION – 3.5-
This course is an introduction to international relations theories. It concretely consists in a historical presentation of the discipline and its debates both among general theories and in various subfields. At the end of the semester, each student should be familiar with the main theories and concepts used in the discipline, their strengths and limitations. Theoretical knowledge is not an end in itself: it provides rigorous frameworks likely to contribute to a better, that is, critical understanding of current trends and events in world politics.

FROM MONTESQUIEU TO HUGO : AN INTRODUCTION TO FRENCH HISTORY AND CULTURE TROUGH LITERATURE – 3.5
NOT OFFERED TO UC STUDENTS

MEDIA & JOURNALISM : AN INTRODUCTION TO HISTORY AND TRENDS – 3.0
NOT OFFERED TO UC STUDENTS
Master 1 courses - Spring

FINANCIAL MANAGEMENT – 3.5 – ECON 142
Financial Management is important in all types of businesses, including banks and other financial institutions, as well as industrial and retail firms. Financial management is also important in governmental operations, from schools to hospitals to highway departments. Financial managers also have the responsibility for deciding the credit terms under which customers may buy, how much inventory the firm should carry, how much cash to keep on hand, whether to acquire other firms (merger analysis) and how much of the firm’s earnings to plow back into the business versus pay out as dividends.
The Intended Learnings Outcomes (ILO) of Lecture are to have a basic understanding of the fundamentals of financial statement to understand the goal(s) of a firm in terms of performance measurement. The financial indicators are used to understand the way financial managers can contribute to the attainment of these goals.
Students are required to be actors of their class, not spectators. They are required to prepare before coming to classroom all materials: papers, case studies, hands-on exercises, so that they can take part to group discussions, case studies analysis and oral presentations.

AGENDA SETTING, ISSUE DEFINITION & PUBLIC POLICY – 3.5 – POLS 180 A
Any public policy supposes a problem. However, sociologists and political scientists have shown that public problems are not immediately obvious. No phenomenon is a public problem in itself, public problems are socially constructed: phenomena become public problems when they have been presented – properly – as such. Moreover, the definition of a public problem does not inevitably leads to a policy. Individuals and groups compete to draw the attention of public authorities. Indeed, the decision-makers’ agenda is limited and the number of potential public issues far exceeds the capabilities of decision-making institutions to process them. In a word, there is no mechanical linkage between problems and policies. The process is not completely predictable, but neither is it random… logics can be identified.
The course precisely seeks to explain why governments and other decision-makers pay attention to one issue and not another. Basically, it is concerned with how problems are formed and framed, and how they become – or do not become – items on the policy agenda.
After having introduced the notion of agenda setting, the course will develop the so-called “social problem” approach, then it will expose leading concepts to explain the character of the policy agenda in modern times.
The course is a lecture. For the foreign students, the exam is an oral, in French or English. During 10 mn you will have to present a case to illustrate and discuss the course. Students choose themselves the issue to be analyzed but it must be drawn from the “real world” and be recent.

WARS STUDIES – 3.5 – POLS 126
The course ‘WAR STUDIES: UNDERSTANDING MODERN WAR AND WARFARE’ combines two sub-disciplines of IR – Security Studies and Strategic Studies – in order to pursue two objectives.
It first aims at explaining the causes of the wars occurring in the contemporary international system. It also sheds light on both the methods and modalities used to wage these wars and the political and normative environment within which they are embedded.
The underlying cognitive interest is critical of the dominating discourses held by politicians and recommendations made by experts.

HISTORY OF ECONOMIC GLOBALIZATION – 3.5
TBA

SOCIOLOGY OF EUROPEAN UNION – 3.5 – SOC 141
This course is an introduction to contemporary European Union institutions, politics and public policy. It provides the fundamentals on European Union policy-making. The first part of the course addresses the institutional development of the European Union (Integration process and Enlargement). The second part complements this first insight by bringing institutions and actors into the analysis (administrations, political parties, voters, interest groups). The third part focuses on the outcomes of the EU in terms of policies (Agriculture, Environment, Competition) and on the international stage. The final session will come back to the Euro-crisis, and analyse recent developments.

MASTER 2 COURSES - SPRING

THE EUROPEAN UNION POLICY MAKING – 3.5 – POLS 183 A
The aim of this course is to undertake a critical analysis of European Union institutional structure and political functioning from the point of view of political science. The course first proposes a reflection on the nature of the EU political system and polity. It looks at its constitutional design and gives an overview of the main steps of European integration’s history. It underlines EU’s ambivalences and ambiguities, that still conditions its functioning today. EU’s main institutions are then presented. The course examines their competencies, how they are appointed, how they function, and how they interact with each other’s and with the national political institutions and civil society actors. In a third part, the European decision-making process is analysed, by looking at the various procedures and at the way they are put into practice by EU’s institutions. On all these aspects (institutions and decision-making), the course aims at going beyond the treaties, by describing the concrete aspects of policy-making, including inter-institutional agreements and informal practices, and by paying attention to the role played by experts and lobbyists. The process of institutional reform and the challenges the EU is facing today are finally addressed.

GLOBAL ENVIRONMENTAL POLITICS – 3.5 – POLS 173
This course will adopt a global perspective on the formation and the implementation of environmental policies. Given the nature of environmental problems one cannot separate the local from the global. Environmental regimes do work across the jurisdictional scale, and across state boundaries. Quite often the national sovereignty dogma impedes progressive policy-making and policy implementation. Therefore, international power politics as well as national and sub-national actors’ strategies are part of the policy debate. Various non-state actors, including NGOs, TNCs and scientists, strive to influence and shape global environmental policies. The global politics of the environment are not limited to intergovernmental relations.

POLITICS OF EUROPEAN SECURITY – 3.5 – POLS 189
This course explores the politics of European security since 1945. It pursues two main objectives. First, the course aims at providing a more comprehensive and critical view on how
the European States have problematized the questions of defense and security since the end of
the Second World War. Second, the course wishes to complete the students’ training on some
international organization they might want to work at after their graduation, in particular
NATO and the institutions that surround the Common Security and Defense Policy of the
European Union. To do so, the course is divided into three parts. The first explores the de-
nationalization of the security issue in Europe after the Second World War from the failure of
the European Defense Policy to West-Germany’s accession to NATO (1945-1955). The
second part of the course investigates Europe’s security system during the Cold War (1955-
1989). The third and last part of the course presents the politics of European security that have
emerged since 1990: the Common Security and Defense Policy of the European Union, and
the EU states’ war against illegal immigration.

ENVIRONMENT IN EUROPE – 3.5 –
This course presents the main trends affecting policy-making in Europe on
environmental issues. Questioning convergence over time and between countries, the
perspective chosen is both comparative and historical. The course is based on cases of
significant policy developments at different periods in time, from the first international
agreements in the beginning of the 20th century to the part played by the European
Union in recent climate change international negotiations. By embracing different issues
(nature protection, industrial risks, citizens’ rights), the approach also focuses on the
politics involved and the part played by environmental mobilization and green parties.

TBA - INVITED LECTURERS COURSES – 3.0
Each semester, a few additional courses are offered in English by invited lecturers.
SCIENCES

University of Bordeaux

Check the University of Bordeaux website for courses offered in English

https://www.u-bordeaux.com/Education/International-study-offer/Courses/Find-a-course

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At the graduate Level “Master degree”,
Several masters are offered in English. Students need to have a very good background in the area to follow courses at the Master level.

BIOLOGY

S2 – The cell within the body- 3.0
15hr of class – online course
Main cell functions (synthesis, maturation, deterioration of proteins
Inter and intracellular communications.

S2 – Introduction to biological systems- 3.0
15hr of class – online course
This course aims to provide an introductory knowledge of the biology and biochemistry of a selection of plants and microorganisms, in order to provide students with an understanding of how chemical structures evolve and how reactions take place in these organisms. This course will begin with a general presentation of the different types of plants, and will describe the main features of their internal structure and mechanisms, down to the major components of living cells. It will continue with a general description of the different microorganisms, and will illustrate some structure/function relationships in microbial cells, especially through the chemical basis of cell physiology, including anabolism and catabolism.
More specifically, this course will intend to achieve the following goals, focused on the knowledge of: 1- Plant biology: Class of plants and the different types of tissues present; Structure of vegetal cells; Basic notions of plant physiology.
2- Biology of microorganisms: Classes of microorganisms (bacteria, fungi including yeasts); Structure of microbial cells; Basic notions of the biochemical mechanisms controlling physiology (nutrition, metabolism, growth).

S4 - Biology and interdisciplinarity– 3.0
15hr
Basis of biophysics through its physics, chemical, bioinformatics aspects, for characterisation of biological samples, from molecule to global organism.
**COMPUTER SCIENCE**

**S2 – DATA MANAGEMENT & WEB DESIGN – 3.5**
20 hr
Get acquainted with abstract types: being able to design data structures, studying their behavior and properties without referring to their actual implementation. Implement classical data structures using object oriented languages: sequences, stacks, queues, trees, graphs; sorting and searching in data structures. Compare algorithmic complexity versus empirical evaluation. Acquire knowledge and develop competencies through applied projects.

**S4 – Introduction to image processing – 3.0**
15 hr
Address the challenge emerging from the design and implementation of ambitious projects.

**S4 – Product design and innovation – 3.0**
15 hr tutorial
Initiate the students the basic concepts and techniques on product design and innovations.

**ENVIRONMENT**

**S4 – Environmental impact and resource efficiency – 3.0**
15 hrs
**MATHEMATICS**

S2 – [Euclidian Spaces](#) – 3.0
15h
Euclidian spaces; orthogonal groups (2d & 3d description); Diagonalization; Applications in biology, physics, chemistry.

S4 – [Integration & Differential Equations](#) (online) – 3.0
15h
Differential equations, stability, numerical schemes.

**MISCELLANEOUS**

S2 - [Enterprise, Manufacturing and Service](#) – 3.0
15h
Provide an introduction on enterprise and industrial system, from manufacturing to service as well as evolution of market, manufacturing and organization

S4 - [Product Design and Innovation](#)- 3.0
Initiate the students the basic concepts and techniques on product design and innovations

S4 - [The infinitely large and infinitely small (PI)](#) - 3.0

**PHYSICS**

S4 - [Introduction to quantum in science](#) 33h
L’enseignement vise à donner une initiation aux concepts, au formalisme et aux applications de la mécanique quantique dans différents champs disciplinaires des sciences et technologies (mathématiques, informatique et technologies de l’information, physique et physico-chimie fondamentales).
**SCIENCES - GRADUATE COURSES**

University of Bordeaux

**Master in bio-imaging**

Master 1 – Spring semester  
From molecule to human: imaging approaches of pathophysiological mechanisms  
Initiation to Research & Development  
Detection systems for Bio-imaging (AFM, fluorescence, contrast agents)

**Master in neurosciences & biotechnology**

Master 1 – Spring semester

-Experimental approaches of neuropathology (on-line)  
*Neuropathology, Experimental models, Methods Mechanisms, Therapeutic strategies.* Prof. *Soraya Valles*Focus on Pain and Neurodegenerative disorders

-Behavior, emotion and cognition  
*Language, consciousness, learning capacities, memory, motivation, stress and emotion*

-Biophysics

-Neuropharmacology

-Case study in biotechnology

-Developmental biology & aging
The Bordeaux Polytechnic Institute (IPB)

Five schools of engineering and sciences at Bordeaux:

These courses are only open to engineer majors. Students need to check before arrival if admission in courses can be accepted.

The Bordeaux Polytechnic Institute (INP)
Five schools of engineering and sciences at Bordeaux:
• Cognitive Engineering (ENSC),
• Chemical, Physical, and Biological engineering (ENSCPB),
• Computer, Electronic, Mathematical, Mechanical, and Telecommunication Engineering (ENSEIRB-MATMECA),
• and Biomolecular Technological engineering (ENSTBB)
• Environment management, georessources, water ressources (ENSEGID)

Course catalog

http://aaa.bordeaux-inp.fr/syllabus/
Master 2 in micro and nanotechnology
Institut Polytechnique de Bordeaux - ENSCBP

SPRING SEMESTER ONLY

1) Courses: January to March
2) Internship: April to June

From January to March, three month courses in micro- and nanotechnology (fully in English), including different laboratory courses (AFM, STM, Microfluidics…), a one week hands-on training in clean room conditions and a personal project in cooperation with industrial partners.

Module 1: Fabrication Techniques and characterization – 76 h – 8.0 units

- Near-field scanning techniques
- Characterization techniques
- High resolution spectroscopy
- Nano- and microfabrication techniques
- Materials and thin films
- Engineering of surfaces and interfaces
- Nanobiotechnologies

Module 2: Nano-objects & auto-organisation – 62h – 6.0 units

- Inorganic, polymer and metal nanoparticles
- Nanotubes and nanofibres
- Nanostructured materials and applications
- Toxicology of nanomaterials and nanotechnologies

Module 3: Applications – 78 h – 8.0 units

- Micro- and nanofluidics
- Analytical nanosystems
- Sensors and microsystems
- Nanophotonics
- Organic electronics
- Lab course on microfabrication and clean room technology
SPRING SEMESTER ONLY

1) Courses: January to March

2) Internship: April to June

From January to March, three month courses in materials design and processing including practical case studies in laboratories and projects in cooperation with industrial partners.

Module 1: From materials selection to materials design – 78 h – 8.0 units

- Materials universe (engineering alloys, composite materials)
- Materials selection (material property charts, the selection strategy – translation, screening, ranking using performance indices)
- Materials and environment (material life-cycle and eco-selection).

Module 2: From microstructure modeling to microstructure characterization – 66 h – 6.0 units

- Phase transformation modeling nucleation, growth and coarsening
- Microstructural characterization of materials
- Property characterization of materials
- Non-destructive testing of structures.

Module 3: From materials selection to materials design – 72 h – 8.0 units

- Shaping processes
- Surface treatment processes
- Numerical simulation of processes.
Master 2 in formulation of polymers and colloids
Institut Polytechnique de Bordeaux - ENSCBP

SPRING SEMESTER ONLY

1) Courses: January to March

2) Internship: April to June

From January to March, three month courses in Macromolecular engineering and formulation including experimental training and a personal project in cooperation with an industrial partner.

Module 1: Formulation: basis concept and tools – 67 h – 6.0 units
-Formulation: principles and applications
-Polymers and surfactants in solution
-Polymers and surfactants at interfaces
-Sustainable chemistry, ecodesign

(Applications in cosmetics, detergency, building materials…).

Module 2: Nano- and meso-organization in soft matter – 71 h – 8.0 units
- Controlled polymerizations
- Self-assembling
- Latex and Particles
- Foams and Emulsions
- Hybrid materials and nanocomposites

(Applications in coatings, nanomedicine, biomaterials…).

Module 3: Nano- and meso-organization in soft matter – 72 h – 8.0 units
- Imaging techniques
- Spectroscopy
- Chromatography
- Rheology
- Wave scattering

(Applications in polymer materials, adhesives, paints…)