type, and a final paper and presentation.  
**Prerequisite:** EST 440  
3 credits

**EST 421 Starting the High-Technology Venture**  
Introduces engineering and applied science students to start-up and early development of a new high-technology venture. Turning a concept into a new venture: Identifying and evaluating product and market. Issues of feasibility, patents, and prototypes.  
**Prerequisites:** CEAS major; U4 standing  
3 credits

**EST 475 Undergraduate Teaching Practicum**  
Students assist the faculty in teaching by conducting recitation or laboratory sections that supplement a lecture course. The student receives regularly scheduled supervision from the faculty instructor. May be used as an open elective only and repeated once.  
**Prerequisites:** U4 standing; a minimum g.p.a. of 3.00 in all Stony Brook courses and a grade of B or better in the course in which the student is to assist; permission of department  
3 credits

**EST 499 Research in Technology and Society**  
An independent research project with faculty supervision. Permission to register requires a B average in all engineering courses and the agreement of a faculty member to supervise the research. May be repeated, but only three credits of research electives (AMS 487, CSE 487, ESE 499, EMS 499, EST 499, ISE 487, MEC 499) may be counted toward engineering technical electives requirements.  
**Prerequisite:** Permission of instructor  
0-3 credits

**EUR**  
European Studies

**EUR 101-G Foundations of European Culture**  
This course presents students with the thinking from a variety of disciplines that influenced the development of the diverse national cultures of Europe. Students are exposed to a chronological representation of the major ways that classical Greek, Roman, Judeo-Christian, and Islamic cultures contributed to the making of individual national cultures and identities of the major countries of Europe.  
3 credits

**EUR 201-I Development of European Culture**  
An introduction to the important literary works that arose from major European cultural and intellectual movements and an examination of their continued influence on the modern world. Readings focus on central texts pertaining to core religious issues, the Renaissance, the Enlightenment, Romanticism, Realism, Modernism, and Post Modernism. Examples from the arts, including film, music, and theatre, are used to illustrate the influence of the literary works.  
**Prerequisite:** Completion of D.E.C. category B  
3 credits

**EUR 390-I Special Topics in European Studies**  
Semester supplements to this Bulletin contain descriptions when the course is offered. May be repeated as the topic changes.  
**Prerequisite:** U3 or U4 standing  
3 credits

**Advisory Prerequisite:** To be announced with the topic

**EUR 401 Senior Research Seminar in European Studies**  
Intensive investigation of specific topics within the European Studies concentrations. Students will develop their skills in selecting a relevant topic, problematizing it, conducting research and writing on it in a persuasive fashion, presenting their findings in the seminar, and submitting a written paper at least 20 pages in length.  
**Prerequisites:** EUR 201; 15 additional credits in the major; U4 standing; European Studies major  
3 credits

**EUR 447 Directed Readings in European Studies**  
Independently supervised readings in selected topics in European Studies. May be repeated.  
**Prerequisite:** Permission of instructor  
1-6 credits

**EUR 475, 476 Undergraduate Teaching Practica in European Studies I, II**  
Students aid instructors and students in European Studies courses in one or several of the following ways: leading discussions, helping students improve writing and research skills, and library research. Students meet regularly with the supervising instructor. In EUR 476, students assume greater responsibility in areas such as leading discussions and analyzing results of tests that have already been graded. Students may not serve as teaching assistants in the same course twice.  
**Prerequisites to EUR 475:** U3 or U4 standing; permission of instructor and department; EUR major or minor  
**Prerequisites to EUR 476:** EUR 475; permission of instructor and department; EUR major or minor  
3 credits per course, S/U grading

**EUR 487 Independent Project in European Studies**  
The designing and carrying out of a research project selected by the student and arranged by the student and the instructor. May be repeated once.  
**Prerequisite:** Permission of instructor  
0-6 credits

**EUR 488 Internship in European Studies**  
Participation in local, state, national, and international public and private agencies and organizations to apply and reinforce language and related skills and knowledge of social and cultural institutions. May be repeated up to a limit of 12 credits.  
**Prerequisites:** Permission of instructor and department  
0-6 credits, S/U grading

**EUR 495 Senior Honors Project in European Studies**  
A one-semester project for seniors. Arranged in consultation with the department, the project involves writing a paper, under the close supervision of an appropriate instructor, on a suitable topic. Students who are candidates for honors take this course.  
**Prerequisites:** Permission of instructor and department  
3 credits

**FLA**  
Foreign Language Secondary Education

**FLA 339 Methods and Materials in the Teaching of Foreign Languages**  
A review of methods and materials for the teaching of foreign languages and literatures in the secondary schools. Special attention is given to the problems and purposes of the teaching of foreign languages at the high school level.  
**Prerequisites:** Admission to a Foreign Language Secondary Teacher Education program; C or higher in one 300-level foreign language course; C or higher in one 300-level literature course; minimum GPA of 2.75  
**Corequisite:** FLA 449  
3 credits

**FLA 340 Curriculum Development and Micro-Teaching**  
A course designed to train future language teachers in the development of well-articulated programs in secondary schools. Students have the opportunity to enjoy clinical experiences in school settings. Special attention is given to lesson planning, classroom management, and portfolio development.  
**Prerequisites:** C or higher in FLA 339; minimum g.p.a. of 2.75  
**Corequisite:** FLA 450  
3 credits

**FLA 439 Introduction to Technology for Language Teaching**  
An introduction for potential teachers to how technologies are used for language learning and teaching. Technologies include audio, video, satellite, computer and Internet. Students explore the interaction between second language acquisition, language pedagogical theory, and technology.  
**Prerequisite:** FLA 339  
3 credits

**FLA 440 Foreign Language Acquisition Research**  
A study of recent trends in foreign language acquisition research. The focus is on classroom-based research: qualitative and quantitative research methodologies, variables in classroom-based learning research, analysis of research results. Students conduct classroom research studies, present their findings, and address applications of their findings to
classroom teachers and learners of foreign languages. 

Prerequisites: FLA 339; acceptance into a foreign language secondary teacher education program 

3 credits

**FRN 449, 450 Field Experience, Grades 7-12**
Observation, inquiry, and practice in foreign language education at the secondary level including 50 hours of documented visits and observation at documented sites. Field experience writing logs are the basis for group discussion. Satisfactory/Unsatisfactory grading

Prerequisites: Admission to a Foreign Language Secondary Teacher Education Program; minimum GPA 2.75

Corerequisite to FLA 449: FLA 339
Corerequisite to FLA 450: FLA 340

1 credit per course, S/U grading

**FRN 451 Supervised Student Teaching: Middle School Level Grades 7-9**
Prerequisite: Enrollment in the Foreign Language Secondary Teacher Education Program; permission of instructor

Corequisites: FLA 452 and 454

6 credits, S/U grading

**FRN 452 Supervised Student Teaching: High School Grades 10-12**
Prerequisite: Enrollment in the Foreign Language Secondary Teacher Education Program; permission of instructor

Corequisites: FLA 451 and 454

6 credits, S/U grading

**FRN 454 Student Teaching Seminar**
Seminar on problems encountered by student teachers and public school teachers at the secondary level in foreign language teaching. Study and analysis of the many aspects of the foreign language teaching profession, such as individualized teaching, testing, and professional organizations.

Prerequisite: C or higher in FLA 340

Corequisites: FLA 451 and 452

2 credits

**FRN 201 Intensive Intermediate French**
Review of grammar and analysis of simple French texts through reading, writing, and discussion. Language Center supplements class work. May not be taken for credit in addition to FRN 211 or FRN 212.

Prerequisite: FRN 101 or 112

6 credits

**FRN 211, 212 Intermediate French I, II**
Intermediate courses in conversation, composition, and the interpretation of French texts. May not be taken for credit in addition to FRN 201.

Prerequisite to FRN 211: FRN 101 or 112

Prerequisite to FRN 212: FRN 211

3 credits per course

**FRN 311 Conversation**
A course emphasizing the development of oral and aural proficiency in French. Class work, supplements, use of technologically based materials.

Prerequisite: FRN 212 or 201

3 credits

**FRN 312 Composition**
A course emphasizing writing proficiency in French. Class work, supplements, use of technologically based materials.

Advisory Pre- or Co-requisite: FRN 311

3 credits

**FRN 313 Vocabulary Through Music**
A course designed to increase the vocabulary and oral comprehension of students of French, and to enrich their understanding of the poetry and culture of France. It includes poetry of recognized poets (Ronsard, Baudelaire, Verlaine, Prevert) put to music, folk songs, and “chansons.”

Prerequisite: FRN 311

1 credit

**FRN 331-G Introduction to Advanced French (with the Novel)**
A course aimed at bridging the gap between conversational and tourist French and advanced and formal French. Extracts from novels, supplements, and technologically based materials.

Prerequisite: FRN 312

3 credits

**FRN 332-G Introduction to Advanced French (with Drama)**
A course aimed at bridging the gap between conversational and tourist French and advanced and formal French. Extracts from plays, supplements, and technologically based materials.

Prerequisite: FRN 312

3 credits

**FRN 395-G, 396-G Readings in French Literature I: Analysis and Interpretation**
These courses teach literary analysis and its application to representative texts chosen from various periods of French literature. All readings are done in French. Discussions are in French.

Prerequisite to FRN 395: FRN 312

Prerequisite to FRN 396: FRN 312

3 credits per course

**FRN 410 Business French**
A course designed for students who wish to become more proficient in reading, writing, and translating French. Students also are trained in the use of French in business, in administration, and in everyday professional life. Emphasis is placed on the idiomatic peculiarities of the French language and the relation of French to the structure of English.

Prerequisite: FRN 312

3 credits

**FRN 411 Phonicetics and Diction**
A course designed to develop mastery of the spoken language. Students learn to express themselves in the current idiom with fluency and accuracy. At least one hour of laboratory is required weekly.

Prerequisite: FRN 312

3 credits

**FRN 412 Stylistics**
A course designed to acquaint students with the subtleties of French grammar and style. Extensive practice in composition and in translation from English to French.

Prerequisite: FRN 312

3 credits

**FRN 413 Advanced French Conversation**
A course designed to develop and maintain complete fluency in the language.

Prerequisite: FRN 312

3 credits

**FRN 432 Studies in Medieval and Renaissance Literature**
Semester Supplements to this Bulletin contain description when course is offered. May be repeated as topic changes.

Prerequisite: FRN 395 or 396

3 credits

**FRN 433 Studies in 17th-Century Literature**
Semester Supplements to this Bulletin contain description when course is offered. May be repeated as topic changes.

Prerequisite: FRN 395 or 396

3 credits

**FRN 434 Studies in 18th-Century Literature**
Semester supplements to this Bulletin contain specific description when course is offered. May be repeated for credit as the topic changes.

Prerequisite: FRN 395 or 396

3 credits

**FRN 435 Studies in 19th-Century Literature**
Semester Supplements to this Bulletin contain description when course is offered. May be repeated as topic changes.

Prerequisite: FRN 395 or 396

3 credits

**FRN 436 Studies in 20th-Century Literature**
Semester supplements to this Bulletin contain specific description when course is offered. May be repeated for credit as the topic changes.

Prerequisite: FRN 395 or 396

3 credits

**FRN 438-J Caribbean and African Literature in French**
A study of representative texts (tales, novels, poems, plays, etc.) from the French-speaking world outside continental France, with special emphasis on the literature of the Caribbean and Africa.

Prerequisite: FRN 395 or 396

3 credits

**FRN 441-I French Civilization**
A discussion of French civilization from the creation of the modern state to the present. The course is intended for those interested in studying the background and traditions of modern France. An analysis of the historical texts and documents serves as a point of departure; the institutions and life in France are considered, along with the development of art, architecture, music, and literature. The emphasis is on discussion (in French) and individual projects. Visiting lecturers contribute to the variety of topics and points of view.

Prerequisite: FRN 395 or 396

3 credits

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