

4630. Soils Geomorphology. 4 hours. (3;3) Methods and applications of soils and landform analysis. Soils classification, formation processes and relationships to landforms and vegetation are stressed. Methods of soils description, mapping and physical-chemical analysis are taught, and applications to study of landscape change and land-use planning are emphasized. Prerequisite(s): GEOG 3350 or consent of department.

4650. Environmental Geology. 3 hours. Geologic aspects of land-use planning; earthquakes, landslides, volcanoes, coastal processes, streams and flooding, soils, groundwater, and waste disposal; planning for the future. Prerequisite(s): GEOL 1610, GEOG 1710 or consent of department.

4710. Geoecology. 3 hours. The structure and function of geoecosystems, examining the dynamic interrelationships of geologic, biologic, climatic and human factors, as components of the global system. Investigates the development of different ecosystems from an evolutionary perspective, while specific processes are considered by integrating concepts and methods from physics, chemistry, biology and geology. The human components of geoecosystems are addressed with perspectives from ecological anthropology and human geography. A significant part of the course is an individual project culminating in a research paper. Prerequisite(s): GEOG 1710 and 8 hours in each field of physics, chemistry and biology, and consent of department.

4850. Introduction to Groundwater Hydrology. 3 hours. Topics to include principles of groundwater flow; aquifer properties and characteristics; geology of groundwater occurrence; groundwater development and methods for assessing and remediating groundwater contamination. Emphasis on application of basic principles. Prerequisite(s): MATH 1100 or equivalent; GEOL 1610, GEOG 1710 or consent of department.

Geology

see Geography

German

see Foreign Languages and Literatures

Health Promotion

see Kinesiology, Health Promotion and Recreation

Hebrew

see Foreign Languages and Literatures

Higher Education

see *Graduate Catalog*

History

History, HIST

1050 (HIST 2321). World History to the Sixteenth Century. 3 hours. From the origins of civilization to the 16th century. *Satisfies the Cross-cultural, Diversity and Global Studies requirement of the University Core Curriculum.*

1060 (HIST 2322). World History from the Sixteenth Century. 3 hours. World civilization from 1500 to the present. *Satisfies the Cross-cultural, Diversity and Global Studies requirement of the University Core Curriculum.*

1075. Honors World History to the Sixteenth Century. 3 hours. From the origins of civilization to the 16th century. Prerequisite(s): acceptance into the University Honors Program. *Satisfies the Cross-cultural, Diversity and Global Studies requirement of the University Core Curriculum.*

1085. Honors World History from the Sixteenth Century. 3 hours. World civilization from 1500 to the present. Prerequisite(s): acceptance into the University Honors Program. *Satisfies the Cross-cultural, Diversity and Global Studies requirement of the University Core Curriculum.*

2610 (HIST 1301). United States History to 1865. 3 hours. From colonial origins through the Civil War.

2620 (HIST 1302). United States History Since 1865. 3 hours. From the Civil War to the present.

2675. Honors United States History to 1865. 3 hours. From colonial origins through the Civil War. Prerequisite(s): acceptance into the University Honors Program.

2685. Honors United States History Since 1865. 3 hours. From the Civil War to the present. Prerequisite(s): acceptance into the University Honors Program.

2900-2910. Special Problems. 1-3 hours each. Prerequisite(s): consent of department chair.

3150. Historical and Cultural Development of the Mexican-American Community. 3 hours. Historical evolution of Mexican-American culture, social structure, family patterns and community organizations, and their effects on education, economic and religious institutions.

3650. Representative American Leaders, Colonial Period to 1865. 3 hours. Examination and evaluation of major figures in the settlement and growth of the United States.

3660. Representative American Leaders Since 1865. 3 hours. Examination and evaluation of major figures during the Gilded Age and the 20th century.

3710. Diplomatic History of the United States to 1900. 3 hours. Diplomatic problems and general international relations.

3720. Diplomatic History of the United States from 1900 to 1945. 3 hours. Diplomatic problems and general international relations.

3750. Greek Civilization. 3 hours. From the Minoans to 146 BCE.

3760. Roman Civilization. 3 hours. From the foundation of Rome to the fall of the Roman Empire.

4010. History of Science and Technology to Newton. 3 hours. Science and technology from ancient times to the Scientific Revolution emphasizing the presuppositions of scientific inquiry, the relationship between science and technology, and their impact on society.

4020. History of Science and Technology Since Newton.

3 hours. Science and technology from Newton to the present emphasizing the presuppositions of scientific inquiry, the relationship between science and technology, and their impact on society.

4050. Russia to the Mid-Nineteenth Century.

3 hours. From the ninth century; Kievan Rus, Mongols, Muscovy and Imperial Russia to Alexander II.

4060. Russia from the Mid-Nineteenth Century.

3 hours. From Alexander II; last imperial decades, world war, revolution and rise and fall of the Soviet Union.

4070. World War II. 3 hours. Europe, 1939-1945; military operations and occupations, the Holocaust, politics, diplomacy, technology, the Pacific Theater and the atomic bomb.

4080. History of Early England from the Anglo-Saxons Through the Tudors. 3 hours. Social, legal, political, religious and intellectual developments in England from the early Middle Ages through the Reformation.

4090. Britain and Ireland in the Age of Revolution, 1603-1832. 3 hours. The British Isles from the accession of James I to the eve of the first Reform Act. Change and continuity amid the rise and fall of royal dynasties, civil war, scientific and commercial revolutions, revolt in the colonies and the politicization of groups traditionally excluded from government: religious dissenters, Irish Catholics, artisans and women.

4100. Modern Britain Since 1830. 3 hours. British political, social, economic, cultural and sexual history to the present.

4105. Britain Since 1945. 3 hours. Political, economic and cultural trends in British history since the end of the Second World War.

4110. British Empire and Commonwealth. 3 hours. British global expansion from the 17th century; warfare, trade, and cultural exchanges; responses of colonized peoples; decline of empire in the 20th century; creation of the British Commonwealth of Nations.

4120. The Conquest of South America.

3 hours. The European discovery, conquest and Europeanization of South America to 1700.

4150. Mexican Immigration and the Chicano Community.

3 hours. Introduction to the history of Mexican immigration in the United States, focusing on the dynamic effects immigration has had throughout the 19th and 20th centuries on the formation of the Chicano community. Utilizes lectures, discussion of the readings, films, and speakers to emphasize a variety of themes including labor, politics, nativism, citizenship, demography, gender and culture. Prerequisite(s): HIST 3150 recommended.

4160. Chicano Political History: 19th and 20th Century.

3 hours. Surveys the history of Chicano politics in the U.S. since 1821. Briefly examines antecedents in the colonial era. Comparing the Chicano political experience before and after American sovereignty, the course assesses the continuity of the Chicano political tradition. Emphasizes reading and discussing new literature in the field. Prerequisite(s): HIST 3150 is recommended.

4170. South American Independence, 1700-1830. 3 hours. The decline and fall of the Spanish and Portuguese empires and the emergence of the South American nations.

4180. Colonial Mexico and the Spanish Southwest. 3 hours. Conquest and expansion of the Spanish in North America.

4190. Mexico, 1810-Present. 3 hours. Social, economic and political history since independence.

4200. The Spanish Frontier in North America. 3 hours. History of the Spanish colonial settlements located within the present boundaries of the United States from 1513 to 1821. Particular attention is paid to the Spaniards' relations with the Native Americans of Florida, New Mexico, Texas and California.

4210. Southern Plains Indian History. 3 hours. Examines the social and political history of the Native American tribes from the pre-Columbian era to the present. Particular attention is paid to the Caddos, Comanches and Wichitas and their relations with Euroamericans.

4220. The Renaissance. 3 hours. Europe in the 14th and 15th centuries; the rebirth of the dignity of man, the formation of nation states, Florence, Venice, humanism, art, plague, women, Machiavelli, and the flowering of the fine arts.

4230. The Age of the Reformation. 3 hours. Europe in the 16th and 17th centuries; the Protestant Reformation, the Catholic Reformation and Counter-Reformation, Erasmus, peasant revolts, family life, Anabaptists and persecution.

4250. Medieval Europe, 500 to the Renaissance. 3 hours. Christianity, feudalism, crusades, universities, growth of the state, and artistic and intellectual developments.

4260. Topics in History. 3 hours. Specific historical topics: Groups A (U.S.), B (Europe) or C (Africa, Asia and Latin America); classification depends on the topic. May be repeated for credit as topics vary.

4261. Topics in United States History. 3 hours. Specific historical topics in U.S. history. May be repeated for credit as topics vary. *Satisfies Group A requirements.*

4262. Topics in European History. 3 hours. Specific historical topics in European history. May be repeated for credit as topics vary. *Satisfies Group B requirements.*

4263. Topics in African-, Asian- or Latin American History. 3 hours. Specific historical topics in African-, Asian- or Latin American history. May be repeated for credit as topics vary. *Satisfies Group C requirements.*

4290. Intellectual, Cultural and Social History of Medieval and Early Modern Europe. 3 hours. Christianity through the Enlightenment; monasticism; rise of schools and universities; philosophy; religious dissent and Protestantism; the Scientific Revolution; women, the family and sexuality.

4300. The French Revolution and Napoleon, 1789-1815. 3 hours. The crisis of the Old Regime, struggle for democracy and rise of a military state.

4310. Gender and Sexuality in Early Modern Europe.

3 hours. Covers the mid-16th to late 18th centuries; controversies generated by women's political influence, forces shaping masculinity and femininity, regulation of sexual behavior, and the impact of sexuality on individual identities before 19th-century psychologists articulated the notion of sexual orientation.

4315. History of Anti-Semitism from Ancient Times to the Present. 3 hours. Examines the history of anti-Semitism from ancient Egypt to the contemporary world. Topics include pagan responses to Jews, Christian theological anti-Semitism, the first Crusade, the ritual murder accusation, the blood libel, the Inquisition, impact of the Reformation, Russian pogroms, anti-Semitism in America, the Holocaust, Holocaust denial, and Arab anti-Semitism.

4320. Anti-Semitism in Europe, French Revolution to Present. 3 hours. Anti-Semitism in Europe, French Revolution to present: anti-Semitism and European Jews.

4330. Absolutism and Enlightenment in Europe, 1648-1789. 3 hours. Politics, economics, culture and society.

- 4340. Europe in the Nineteenth Century, 1815-1914.** 3 hours. Politics, intellectual movements and diplomacy with special attention to nationalism.
- 4350. Europe in the Age of the Dictators, 1914-1945.** 3 hours. World War I; rise of Fascists, Nazis and Communists; the Great Depression; World War II and the Holocaust.
- 4360. Europe Since World War II.** 3 hours. Recovery, the European retreat from colonialism, popular culture, youth and sexual revolution, the new society, and politics.
- 4365. Modern Germany, 1815-Present.** 3 hours. Overview of developments in Germany from the Congress of Vienna to the present, addressing topics such as the quest for national unification, rapid industrialization, Germany's position in central Europe, the role of elites in shaping government policy and social values, Germany's role in launching two world wars, the Holocaust, and Germany's ambivalent reception of western values.
- 4370. Intellectual, Cultural and Social History of Modern Europe since 1789.** 3 hours. The French Revolution, romanticism, reform movements, realism, feminism and the intellectual currents of the 20th century.
- 4380. The European Witch Hunts.** 3 hours. The origins, intensity and decline of the witch hunts that engulfed Europe from the late 16th to the early 18th century.
- 4385. Nazi Germany.** 3 hours. Comprehensive, sophisticated account and analysis of the Nazi period in German history, exploring issues related to the content and implications of Nazi ideology, the role of Hitler, the complicity of elites such as Junkers, the military, the churches and big business. Examines the origins both of the Nazi movement and of the conditions in Germany that led to the movement's rise to power. Analyzes the consequences of the implementation of Hitler's policies in the forms of genocide, military conquest and defeat.
- 4390. The Holocaust, 1933-1945.** 3 hours. European Jews and their destruction during Nazi Germany's ascendancy; Jewish communities and anti-Semitism before the Nazis; institutions and processes of extermination; victims, including non-Jews; perpetrators; historical background.
- 4400. Intellectual, Cultural and Social History of the United States to 1865.** 3 hours. Puritanism to the birth of the modern United States.
- 4410. Intellectual, Social and Cultural History of the United States Since 1865.** 3 hours. Reconstruction, Progressivism, evolution of the Welfare State, and civil rights.
- 4420. United States Constitutional Development, 1783-Present.** 3 hours. The Articles of Confederation, the Constitution, role of the Supreme Court and changing nature of constitutional doctrines.
- 4430. United States Political Parties, 1783-Present.** 3 hours. Growth and development of the two-party system; the parties' role in the political development of governmental institutions.
- 4440. African-American History and Culture to 1900.** 3 hours. Social, cultural and political history of African Americans from the colonial period; slavery and its consequences.
- 4450. African-American History and Culture Since 1900.** 3 hours. Social, cultural and political history of African Americans in the United States; development of segregation; civil rights movement.
- 4455. History of Black Women in America.** 3 hours. Historical exploration into the characteristics, cultures and reflective thoughts of black women in America. (Same as WMST 4460.)
- 4465. Women in the United States to 1900.** 3 hours. Women's daily lives, work, public and political activism; differences and divisions among women.
- 4470. Women in the United States since 1900.** 3 hours. Women's daily lives, work and modern feminism; differences and divisions among women.
- 4480. Colonial America.** 3 hours. The English Colonies in North America to 1763.
- 4490. The American Revolution, 1763-1789.** 3 hours. The founding of the United States.
- 4550. Imperial China.** 3 hours. Survey of the development of Chinese political philosophy, statecraft, economics and society from the Xia dynasty (ca. 2205 BCE) through the High Qing (late 18th century CE). Issues considered include the development and characteristics of the imperial state; the role of Buddhism in Chinese history; women's roles in family, state and society; and political, economic and cultural relations with non-Chinese peoples and states.
- 4560. Modern China.** 3 hours. Chinese politics, ideas, economics and society from the High Qing (late 18th century) through 1989; European idealism, the decline and fall of the Qing dynasty, Republicans and Communists, women, modernization and the question of democracy.
- 4570. Japanese History.** 3 hours. Jomon Culture (ca. 10,500 BCE) through the 1970's; myth and history, the imperial system, Buddhism and Confucianism, samurai culture, modern economic development, European imperialism, Japan's rise to a world power, and the post-World War II "economic miracle."
- 4580. Africa to the Nineteenth Century.** 3 hours. The ancient civilizations of Egypt, Kush, Axum, Ethiopia, Sudan and others; contacts with Europe and Asia, Islam, and the slave trade.
- 4590. Modern Africa.** 3 hours. African continent since 1800 emphasizing European colonization and colonial rule, African resistance; the rise of nationalism and liberation movements.
- 4640. Early United States Military History to 1815.** 3 hours. The genesis and development of the U.S. military tradition and system from colonial times through 1815.
- 4650. Evolution of Warfare to Napoleon.** 3 hours. Art and science of warfare from ancient Greek society to the end of the French Revolution.
- 4660. Evolution of Warfare from Napoleon.** 3 hours. Art of warfare from the French Revolution to the Cold War.
- 4700. Texas.** 3 hours. Development of Texas from its frontier beginnings to an urban state.
- 4750. The Early American Frontier.** 3 hours. The Frontier as region and process from the Atlantic seaboard to the Mississippi Valley.
- 4760. The Trans-Mississippi West in American History.** 3 hours. Political, economic and social institutions of the West and their influence on national development.
- 4780. Indian Policy in United States History.** 3 hours. Indian policy from the colonial period to the present.
- 4790. Diplomatic History of the United States Since 1945.** 3 hours. Diplomatic problems since 1945.
- 4800. The Relations Between the United States and Latin American Countries.** 3 hours. Latin American policies of the United States; diplomatic, economic and cultural relations.
- 4830. The Old South.** 3 hours. From the colonial era to the Civil War; society, culture, economics and politics.
- 4840. The New South.** 3 hours. History of the South since 1877.

4850. The Early National Period of the United States, 1789-1848. 3 hours. Securing the republic, the rise of democracy, and territorial expansion.

4860. The Civil War and Reconstruction. 3 hours. The slavery issue, secession, the appeal to arms, and Reconstruction.

4870. Making of the Modern United States, 1877-1929. 3 hours. The era of industrialization, reform, war and reaction.

4880. United States Since 1929. 3 hours. The Great Depression, the New Deal, World War II, the Cold War, civil rights and beyond.

4900-4910. Special Problems. 1-3 hours each. Prerequisite(s): consent of department

Honors College

Honors Courses, HNRS

1000. Honors Freshman Seminar. 1 hour. Lectures from a cross-section of UNT faculty demonstrating different perspectives on designated topics. Prerequisite(s): admission to University Honors Program.

1500. Introduction to Research: An Interdisciplinary Perspective. 3 hours. Interdisciplinary lecture course on the basic principles of research in physical and life sciences, social sciences, humanities, and the performing arts. In addition to learning to apply basic research methods to a specific research topic, students discuss ethics and values in research, safety issues, intellectual property rights, and funding and publication issues. Prerequisite(s): admission to University Honors Program.

2900. Special Problems. 1-3 hours.

3500. Honors Thesis Proposal Development. 3 hours. Students develop a thesis proposal, including identification of a research topic, review of relevant literature and/or theory, formulation of hypotheses or research questions where relevant, addressing ethical and safety issues, developing a research budget, and developing a timeline for the research. Students should identify a thesis adviser in their major before the beginning of the course. Prerequisite(s): admission to University Honors Program and completion of 12 hours in University Honors courses.

4000. Honors Capstone Seminar: Fundamentals of International Understanding. 3 hours. The Capstone Seminar is the final course for students enrolled in the University Honors Program. Students explore various issues of conflict and cooperation in a global context. Prerequisite(s): senior standing and completion of 15 semester hours of honors courses or consent of honors director.

4100. Honors Colloquium. 3 hours. Interdisciplinary colloquium on various topics of significant interest. May be repeated for credit as topics vary. Prerequisite(s): acceptance to University Honors Program and upper-division standing or consent of director.

4500. Honors Capstone Thesis. 3 hours. A major research project is prepared by the student under the supervision of a faculty member and presented in standard thesis format. An oral defense is required of each student for successful completion of the thesis. Prerequisite(s): completion of at least 15 semester hours in University Honors courses, successful completion of at least 12 semester hours in the department in which the thesis is prepared, and approval of the director of the University Honors Program. May be substituted for HNRS 4000.

4900. Special Problems. 1-3 hours.

Information Science

see *Graduate Catalog*

Information Technology and Decision Sciences

Business Computer Information Systems, BCIS

2610 (BCIS 1305 or 1405). Introduction to Computers in Business. 3 hours. A study of the introductory concepts of computing in business; basic computer components, computer history and programming. Prerequisite(s): MATH 1100.

3610. Basic Information Systems. 3 hours. Theory, capabilities, applications, benefits, liabilities and economics of business computer information systems. Using the computer to solve business problems. Management information systems and computer-based decision support emphasized. Use of standard support application packages. Prerequisite(s): BCIS 2610; 2.7 UNT GPA.

3615. Visual Display of Business Information. 3 hours. Explores the use of visual display techniques and tools in the creation of electronic business documents and presentations. Stresses development of good written and oral presentation skills, as well as familiarity with a wide range of multimedia tools. Prerequisite(s): BCIS 2610 or equivalent; BCIS 3610; 2.7 UNT GPA (2.7 transfer GPA if no courses taken at UNT).

3620. File Concepts and Procedures. 3 hours. An introduction to COBOL programming in the business environment. Emphasis on the fundamentals of structured program design, development, testing, implementation and documentation of common business-oriented applications using COBOL. Coverage of language syntax, data and file structures editing, report generation, data validation, basic file processing and an introduction to batch and interactive JCL. Prerequisite(s): BCIS 2610 or equivalent; a grade of C or better in each previously taken BCIS course, or consent of department; 2.7 UNT GPA (2.7 transfer GPA if no courses taken at UNT).

3630. Object-Oriented Programming for Business. 3 hours. Introduction of abstract data types, inheritance, object identity, polymorphism as they relate to building business objects and business classes; use of Java programming language depicting the object orientation concepts; use of class libraries and Java packages for business object construction. Prerequisite(s): BCIS 3620 or equivalent; 2.7 UNT GPA (2.7 transfer GPA if no courses taken at UNT); a grade of C or better in each previously taken BCIS course, or consent of department.

3680. Enterprise-Oriented Programming. 3 hours. Concepts of enterprise-level Java development such as graphical interfaces, JavaBeans, database services, and distributed systems as they relate to building object-oriented applications at the enterprise-level. Prerequisite(s): BCIS 3630; 2.7 UNT GPA (2.7 transfer GPA if no courses taken at UNT); a grade of C or better in each previously taken BCIS course, or consent of department.

3690. Information Systems Concepts. 3 hours. Concepts of advanced COBOL programming: computer utilization, business applications, data structures, information systems research potential and software design on interactive systems. Topics include structured designs, software development tools, advance file processing, utilities, OS and interactive JCL, report writer, debugging, sorting and other advanced COBOL language features. Prerequisite(s): BCIS 3620; 2.7 UNT GPA (2.7 transfer GPA if no courses taken at UNT); a grade of C or better in each previously taken BCIS course, or consent of department.