

5700. Global Dynamics. 3 hours. (2;2) Biosphere-geosphere models on a global scale. Topics include past global changes and climate variability, assessing impacts of global change, dynamic biogeography, interdisciplinary approaches, economics and policy issues, and applications of GCM, GIS and remote sensing. Prerequisite(s): graduate standing or consent of department.

5850. Introduction to Groundwater Hydrology. 3 hours. Topics include principles of groundwater flow; aquifer properties and characteristics; geology of groundwater occurrence; groundwater development and methods of assessing and remediating ground water contamination. Students independently acquire, evaluate and interpret hydrogeological data and report the results in a research paper.

5900. Special Problems. 1–3 hours. Research by graduate students in fields of special interest. Prerequisite(s): consent of department.

5920. Research Problems in Lieu of Thesis. 3 hours. Research-based independent study. Problem must be approved by major professor. Requires submission of research report. Non-thesis option only. Prerequisite(s): must have completed or be concurrently enrolled in GEOG 5110, plus 12 additional hours completed toward the Master of Science degree in applied geography, or consent of department.

5950. Master's Thesis. 3 or 6 hours. To be scheduled only with consent of department. 6 hours credit required. No credit assigned until thesis has been completed and filed with the graduate dean. Continuous enrollment required once work on thesis has begun. May be repeated for credit.

5960. Geography Institute. 3 hours. For students accepted by the university as participants in special institute courses. May be repeated for credit as topics vary.

Geology – see *Undergraduate Catalog*

Geology

see *Undergraduate Catalog*

German

see Foreign Languages and Literatures

Health Promotion

see Kinesiology, Health Promotion and Recreation

Hebrew

see *Undergraduate Catalog*

Higher Education

see Counseling and Higher Education

History

History, HIST

5010. Studies in Ancient History. 3 hours. Extensive readings and study in the social, religious, political and military history of ancient Egypt, Israel, Greece or Rome. May be repeated as topics vary.

5020. Seminar in Ancient History. 3 hours. Research seminar in selected themes in ancient history. Prerequisite(s): HIST 5010 or consent of department. May be repeated for credit as topics vary.

5040. Studies in Modern European History. 3 hours. Extensive readings and study in one of the topical areas of modern European history. May be repeated for credit as topics vary.

5060. Seminar in Recent and Contemporary European History. 3 hours. Studies in European history since World War I.

5080. Seminar in Modern European History. 3 hours. Research seminar in modern European history. May be repeated for credit as topics vary.

5100. Seminar in United States History. 3 hours. Research seminar in United States history. May be repeated for credit as topics vary.

5110. Studies in United States History. 3 hours. Extensive readings and study in United States history. May be repeated for credit as topics vary.

5130. Studies in World History: Latin American or Asian. 3 hours. Extensive readings and study in either Latin American or Asian history. May be repeated for credit as topics vary.

5150. Seminar in World History: Latin American or Asian. 3 hours. Research seminar in either Latin American or Asian history. May be repeated for credit as topics vary.

5190. Studies in Near East/African History. 3 hours. Extensive readings and study in one of the topical areas of Near East/African history. May be repeated for credit as topics vary.

5220. Studies in United States Military/Diplomatic History. 3 hours. Extensive readings and study in either United States military or diplomatic history. May be repeated for credit as topics vary.

5230. Seminar in United States Military/Diplomatic History. 3 hours. Research seminar in either United States military or diplomatic history. May be repeated for credit as topics vary.

5240. Studies in European Military/Diplomatic History. 3 hours. Extensive readings and study in either European military or diplomatic history. May be repeated for credit as topics vary.

5250. Seminar in European Military/Diplomatic History. 3 hours. Research seminar in either European military or diplomatic history. May be repeated for credit as topics vary.

5260. Seminar in Near East/African History. 3 hours. Research seminar in Near East/African history. May be repeated for credit as topics vary.

5420. Research Seminar in Local History. 3 hours. Research and writing of local history.

5460. Archives and Manuscript Repositories Studies. 3 hours. Examines the theory and role of archives and manuscript repositories, their history and basic practices used in each.

5470. Museum Studies. 3 hours. Examines the theory and role of museums in history and basic practices used in them.

5480. Applied History Practicum. 3 hours. Practical experience in collecting, evaluating, preparing, describing and displaying archives, manuscripts and artifacts that involve either archives or museums. Includes working experience in either an archive, manuscript repository or museum. Prerequisite(s): HIST 5460 or 5470.

5500. Techniques of Oral History. 3 hours. Training in methodology of conducting, editing, transcribing and indexing interviews with eyewitnesses to or participants in historic events; emphasis on archival functions.

5520. Oral History: Project Development and Implementation. 3 hours. (0;0;3) A detailed, advanced consideration of the planning and development of an oral history project. Purpose is to create sources of research information to be used writing the master's thesis. Prerequisite(s): HIST 5500. May be repeated for credit.

5900-5910. Special Problems. 1–3 hours each. Conference courses open to advanced students capable of doing independent research under the direction of the instructor. Registration permitted only with consent of department.

5940. Historical Bibliography. 1 hour. An introduction to major reference materials in American and European history with discussions of significant research centers. Required for all beginning graduate students unless waived by the department chair or graduate committee chair.

5950. Master's Thesis. 3 or 6 hours. To be scheduled only with consent of department. 6 hours credit required. No credit assigned until thesis has been completed and filed with the graduate dean. Continuous enrollment required once work on thesis has begun. May be repeated for credit.

5960-5970. History Institute. 1–6 hours each. For students accepted by the university as participants in special institute courses. May be repeated for credit as topics vary but not to exceed a total of 6 hours in each course.

5980. Teaching of College History. 1 hour. An examination of the philosophies and techniques of teaching history at the college and university level. Open to all graduate students and required of all history teaching fellows at their first opportunity to take it. This course is in addition to other degree requirements.

6000. Historiography. 3 hours. United States and European historiography. A history of United States and European historical literature. Required of all PhD students in history.

6900-6910. Special Problems. 1–3 hours each. Research by doctoral students in the fields of special interest. Prerequisite(s): consent of department.

6940. Individual Research. 3 hours. Doctoral research of an independent nature. May be repeated for credit.

6950. Doctoral Dissertation. 3, 6 or 9 hours. To be scheduled only with consent of department. 12 hours credit required. No credit assigned until dissertation has been completed and filed with the graduate dean. Doctoral students must maintain continuous enrollment in this course subsequent to passing qualifying examination for admission to candidacy. May be repeated for credit.

Honors Courses

see *Undergraduate Catalog*

Human Service Management and Leadership

see *Undergraduate Catalog*

Information Science

see Library and Information Sciences

Information Technology and Decision Sciences

Business Computer Information Systems, BCIS

5090. Introduction to Business Computer Information Systems. 1.5 hours. Examines the interaction between information systems and the organizational context. Specific topics to be covered include the strategic role of information systems (IS), interorganizational systems, the Internet and WWW, electronic commerce, reengineering, the human impacts of IS, the management of change, IS development and implementation, and emerging types of information technology. Course work includes lectures, readings, case analyses and discussion, electronic meeting technology, hands-on computer assignments and a team field project.

5100. E-Commerce Systems Technologies. 3 hours. Tools, skills, and understanding of the key technologies used in e-commerce, from basic systems design and networking to web site content-management technologies. Prerequisite(s): BCIS 5090 or equivalent, or consent of department.

5105. E-Business Site Construction. 1.5 hours. Introduction to the technologies of electronic business web site design. Topics include the principles of web design, use of animation and sound, and the creation of database-driven sites. Prerequisite(s): BCIS 5100 or consent of department.

5110. Structure of Programming Languages. 3 hours. Introduces graduate students to new approaches in programming business applications. Makes use of visual programming tools such as VB.NET as well as traditional programming tools such as JAVA. Problem-solving techniques and structured programming are covered early and used throughout the course. Prerequisite(s): BCIS 5090 or equivalent or consent of department.

5120. Information Systems Development. 3 hours. The foundations of business information systems analysis and design. Concentration on contemporary design methodologies and computer-aided software engineering techniques. Topics include strategic information systems planning, requirements analysis, user interface design, data design, process design, system testing, ethics and system audit ability, control and security. Prerequisite(s): BCIS 5090 or equivalent, or consent of department.