460: Hydrogeology. 0-3-3. Preq., GEOL 111, 121, and MATH 220- or 241. Effect of geologic materials and processes on availability and movement of ground water with emphasis on collecting and interpreting hydrogeologic data.

485: Coastal Marine Geology. 8-3-4. Preq., GEOL 111, 121 or 112, 122, CHEM 101, 102, 103, 104. Geomorphological features of estuarine, coastal and continental shelf environments, erosional, depositional and geochemical processes, field and laboratory methods. Five weeks at a Louisiana Universities Marine Consortium coastal laboratory.

<table>
<thead>
<tr>
<th>GERMAN (GERM)</th>
</tr>
</thead>
<tbody>
<tr>
<td>101: Elementary German. 0-3-3 each. Conversation, reading, and grammar.</td>
</tr>
<tr>
<td>102: Elementary German. 0-3-3 each. Preq., GERM 101. Conversation, reading, and grammar.</td>
</tr>
<tr>
<td>201: Intermediate German. 0-3-3 each. Preq., GERM 102. Conversation reading, grammar, and culture.</td>
</tr>
<tr>
<td>202: Intermediate German. 0-3-3 each. Preq., GERM 201. Conversation reading, grammar, and culture.</td>
</tr>
<tr>
<td>301: Survey of German Literature to 1800. 0-3-3. Preq., GERM 202 or permission of department head.</td>
</tr>
<tr>
<td>302: Survey of German Literature from 1800. 0-3-3. Preq., GERM 202 or permission of department head.</td>
</tr>
<tr>
<td>303: Classical German Literature. 0-3-3. Preq., GERM 202 or permission of department head. A study of German classicism, including Lessing, Goethe, Schiller.</td>
</tr>
<tr>
<td>307: German Conversation. 0-3-3. Preq., GERM 202 or permission of department head.</td>
</tr>
<tr>
<td>308: German Composition. 0-3-3. Preq., GERM 202 or permission of department head.</td>
</tr>
<tr>
<td>309: German Civilization. 0-3-3. Preq., GERM 202 or permission of department head. Lectures and readings in history, geography, language, arts and general culture.</td>
</tr>
</tbody>
</table>

**HEALTH AND PHYSICAL EDUCATION (HPE)**

Health and Physical Education 100 to 199 activity courses will stress basic techniques, rules and participation.

100: Special Group Activities. 3 3/4-0-1 (2). (Pass/Fail).

101: Flag Football and Basketball. 3 3/4-0-2.

102: Volleyball and Softball. 3 3/4-0-2.

107: Aerobic Running. 3 3/4-0-2 (4).

110: Adapted Physical Education. 3 3/4-0-2. For students not physically able to participate in regular activity courses. Statement from physician listing restrictions is required. (Pass/Fail)

112: Practicum. 3 3/4-0-1 (4). HPE Fitness/Wellness majors. Students assist a master teacher to learn proper methods of teaching aerobic, weight training, senior adult activities.

114: Varsity Sport Participation. 3 3/4-0-2 (6). Credit for varsity participation in a sport. May be repeated for up to 6 hours credit. Will not count for HPE majors/minors.

115: Varsity Sport Participation. 3 3/4-0-2 (6). Credit for varsity participation in a sport. May be repeated for up to 6 hours credit. Will not count for HPE majors/minors.

116: Varsity Sport Participation. 3 3/4-0-2 (6). Credit for varsity participation in a sport. May be repeated for up to 6 hours credit. Will not count for HPE majors/minors.

117: Varsity Sport Participation. 3 3/4-0-2 (6). Credit for varsity participation in a sport. May be repeated for up to 6 hours credit. Will not count for HPE majors/minors.

119: Basketball and Volleyball. 3 3/4-0-2.

132: Beginning Tap Dance. 3 3/4-0-2.

134: Developmental Conditioning. 3 3/4-0-2 (6). Designed to improve and maintain a desirable level of aerobic fitness by various forms of appropriate physical activity.

141: Beginning Golf. 3 3/4-0-2. Learning basic golf skills and rules with limited play for beginning student with no experience.

143: Fencing. 3 3/4-0-2.

145: Social Dance. 3 3/4-0-2.

150: First Aid. 0-2-2. Lectures, discussions, and practical demonstrations of Red Cross methods in First Aid.

161: Square, Folk, and Country/Western Dance. 3 3/4-0-2.

181: Beginning Swimming. 3 3/4-0-2. Open to students who are unable to swim in deep water.

201: Soccer and Volleyball. 2 3/4-1-2.


206: Fitness for the Senior Adult. 2 3/4-1-3. May be taken by senior adults for repeated credit. Senior adult exercise programs are designed utilizing chair and water exercises, strength machines, and walking.


210: Beginning Weight Training. 2 3/4-1-2 (4).

211: Powerlifting. 2 3/4-1-2 (4).


218: Beginning Karate. 2 3/4-1-2 (4).

221: Light Backpacking. 3-1-2 (6). Equipment selection, maintenance, and use; first aid and accident prevention; and basic skills for light backpacking, plus participation in three off-campus, outdoor activity sessions.

222: Outdoor Adventure. 3-1-2 (6). Equipment selection, maintenance, and use; first aid and accident prevention; and skills for selected outdoor, adventure activities, plus participation in three off-campus, outdoor activity sessions.

231: Beginning Modern Dance. 2 3/4-1-2.

235: Beginning Racquetball. 2 3/4-1-2.


250: Gymnastics. 2 3/4-1-2. HPE Majors Only.

251: Materials and Methods in Teaching Elementary School Physical Education. 1-2 3/4-3. Preq., Sophomore standing, HPE majors and minors only. Methods and materials used in teaching elementary school physical education with practical application.

255: Lifetime Sports Series A - Racquet Sports. 2 3/4-1-2. HPE majors/minors only. Emphasis on learning and teaching the fundamental skills/techniques, rules, and strategies in racquet sports.

256: Lifetime Sports Series B - Aerobic Conditioning/Strength Conditioning/Aquatics. 2 3/4-1-2. HPE majors/minors only. Emphasis on learning and teaching the fundamental skills/techniques, rules, and strategies in selected recreational sports.

257: Lifetime Sports Series C - Selected Recreational Sports. 2 3/4-1-2. HPE majors/minors only. Emphasis on learning and teaching the fundamental skills/techniques, rules, and strategies used in selected recreational sports.


265: Team Sport Series A - Flag Football/Soccer. 2 3/4-1-2. HPE majors/minors only. Emphasis on learning and teaching the fundamental skills/techniques, rules, and strategies used in flag football and soccer.

266: Team Sport Series B - Volleyball/Basketball. 2 3/4-1-2. HPE majors/minors only. Emphasis on learning and teaching the fundamental skills/techniques, rules, and strategies in volleyball and basketball.

267: Team Sport Series C - Softball/Track and Field. 2 3/4-1-2. HPE majors/minors only. Emphasis on learning and teaching the fundamental skills/techniques, rules, and strategies in softball and track.

271: Beginning Tennis. 2 3/4-1-2. Learning basic tennis skills, fundamentals, rules, and strategy for beginning players with limited or no experience.


275: Aerobic Dance and Conditioning. 2-1-2 (4).

280: Dance Appreciation. 0-3-3. An overview of the historical, cultural and social impact of dance. Includes classifications of major dance styles, interpretations of dance and major contributors to dance.

281: Intermediate Swimming. 2 3/4-1-2. Open to students who can swim in deep water. Stroke development and endurance swimming are emphasized.

individuals to assume the duties and responsibilities of lifeguards at swimming pools and protected (non-surf) open water beaches.

289: Water Exercise for Fitness. 2 3/4-1-2 (6). Individualized program to enhance fitness through aquatic activity.

290: Personal and Community Health. 0-3-3. Designed to develop attitudes and practices which contribute to better individual and group health. Emphasis is placed upon major health problems of early adulthood.

292: Preventive Health and Wellness. 0-3-3. Emphasis on chronic and degenerative diseases, mental health, preventing communicable and non-communicable diseases and the role of physical fitness in preventive health.

293: Consumer and Environmental Health. 0-3-3. Directing the consumer in selection of health services and understanding the effect of environmental pollution.

294: The School Health Program. 0-3-3. A study of the administration and organization of a school health program. Emphasis on establishing such a program and utilization of available resources in school health.

300: Safety Education. 0-3-3. The social, emotional, economic, and legal impact of safety and accidents in the home, at work, and in leisure/sports activities.

301: Curriculum Innovations, Instructional Devices and Lab Instruction in Drivers Education. 3 3/4-3-4. In-depth study of curriculum materials and instructional devices and techniques including Simulation, Multimedia Driving Range, On-Street instruction, and Motorcycle.

305: Materials and Methods in Health Education in Schools. 0-3-3. Preq., HPE 290, 292, 293 and Upper Division. Includes information relative to school health education program with emphasis on methods of instruction and use of materials in schools.

306: Principles and Practices of Football Coaching. 0-2-2. Preq., sophomore standing. Designed to familiarize the student with various defensive and offensive systems that contribute to a successful program.


314: Principles and Practices of Track and Field Coaching. 0-2-2. Preq., sophomore standing. Fundamental movements involved in the different events; training for the different events; training and practice; officiating.


326: Applied Anatomy and Kinesiology. 0-3-3. Preq., junior standing, BISC 224, Upper Division. Analysis of movement based on a knowledge of anatomy and physiology as applied to the function of body mechanics.

340: Materials and Methods in Physical Education and Health Education for Elementary Schools. 5-3-3. Preq., Upper Division. To prepare the teacher for the direction of children in physical education and for developing in children desirable knowledge, skills and attitudes in health.

350: Drugs and Sport. 1-3 3/4-3. Preq., HPE majors or intercollegiate athletes. Develop a knowledge of drugs, effects, sound use, preventive drug abuse, effective programs for drug education and athletes.


401: Recreation and Leisure for the Older Adult. 0-3-3. Recreation and leisure in an aging society. Leadership, programming, and activities for older adults. Emphasis on programs in a variety of settings.

402: Measurement and Evaluation in Health and Physical Education. 0-2 1/2-2. Preq., senior standing. Upper Division. Familiarize the physical educator with statistical methods, measurement of physical parameters, and procedures for effective written and skill test construction and evaluation.


406: Health Aspects of Aging. 0-3-3. Preq., upper division. Provides an understanding of the health aspects of aging as it pertains to the biological, physiological, psychological, and sociological factors in mature adults. (G)

407: Exercise Prescription. 2-2-3. Preq., upper division. Provides an understanding of individualized exercise prescription design in programs to develop and maintain physical fitness through testing and re-evaluation strategies. (G)


409: Measurement of Physiology Variables. 2 1/2-0-1. Concurrent with HPE 408, upper division. Exercise physiology laboratory experience providing students with an opportunity to measure and evaluate selected physiological parameters.

410: The Designing, Building, and Maintenance of Sport and Physical Fitness Facilities. 0-3-3. Preq., upper division. The equipping, designing, building, and maintenance of physical fitness and sports facilities. (G)

414: Introducing Adapted Physical Education. 0-3-3. Preq., Upper Division. To familiarize the student with the role of adapted physical education and the physical, emotional, social and learning characteristics of exceptional children. (G)

415: Internship. 15-3-6. Concurrent of department head and within two quarters of graduation. Requires 180 clock hours in practical experiences in approved programs with department approved supervisor.

416: Adult Fitness Programming. 2 1/2-1-3. Preq., HPE 406, upper division. Course is designed to instruct individuals in implementation of fitness programs and management of the various facilities, which include fitness management. (G)


418: Strength and Conditioning for Improved Performance. 3 3/4-0-3. Preq., HPE 326, 407, 408, 409, upper division. Procedures to strengthen and condition individuals in aerobic and anaerobic activities. Exercise models, performance evaluations, exercise equipment, training ethics, and professional development are discussed. (G)

433: Special Problems in Health and Physical Education. 1-3 hour(s) credit (9). Consent of Department Head. Designed for selected problems in Health and Physical Education.

457: Materials and Methods in Teaching Middle and Secondary School Physical Education. 1-2 3/4-3. Preq., HPE 251, upper division-senior standing. Methods and materials used in teaching middle and secondary schools physical education with practical application. (G)

509: Tests and Measurement. 0-3-3. Using current research to select the best procedures to measure and test the student's physical fitness, motor ability, sports skills, and cognitive knowledge.

515: Internship. 15-3-6. Requires 220 to 240 clock hours in departmentally approved practical experiences in rehabilitation, corporate, community, educational, athletics, medical, or fitness/wellness programs.

516: Education for Physical Fitness. 0-3-3. Factors involved in developing, maintaining and evaluating physical fitness. Emphasis is placed on individual exercise programs, cardiovascular risk factors, and the beneficial effects of exercise.

518: Recent Literature and Research in Physical Education, Physical Fitness and Wellness. 0-3-3. Review and evaluation of reports of recent research in physical education. Review of research methodology for analysis of both qualitative and quantitative nature.

519: Alcohol and Narcotics Education. 0-3-3. Research and evaluation of the effects of alcohol and narcotics.


522: Observing and Teaching in Adapted Physical Education with the Behavior Impaired. 3-0-1. Preq., Concurrent with 521. Practicum in physical education for the severely disabled.
523: Chronic Disability and Physical Education. 0-2-2. Focus is on individuals with chronic and permanent physical disabilities, which affect motor performance with implications for selection of activities in physical education.

524: Observing and Teaching in Adapted Physical Education with the Chronically Disabled. 3-0-1. Preq., Concurrent with HPE 523. Practicum in physical education for the chronically and permanently disabled.

526: Physiology of Exercise. 0-3-3. Understanding the physiological responses of the body systems to exercise, the recovery process, and systematic training regimens.

528: Curriculum Construction in Physical Education. 0-3-3. Basic principles of curriculum construction in the junior high and high school with special emphasis on current trends.

531: Physical Education Curriculum for the Handicapped. 0-3-3. Needs of the physically and mentally handicapped as related to the physical education program. Study of specific activities, methods and evaluation.

532: Interscholastic Athletics. 0-3-3. Prepares the interscholastic coach to understand the purposes of state and national athletic associations, legal issues in sports, and the administration of athletic programs.

533: Problems in Health, Physical Education, Recreation and Athletics. 1-3 hour(s) credit (6). Consent of Department Head. Credit depends on the nature of the problem and work to be accomplished.

534: Mechanical Analysis of Motor Skills. 0-3-3. Analysis of the various motor skills to determine their relationship to basic mechanical principles, anatomical and kinesiological factors, laws of physics, etc.

536: Physiology of Exercise II. 0-3-3. Preq., HPE 526. A continuation of HPE 526 designed to enhance understanding of physiological responses to acute and chronic exercise as it relates to performance and health-related fitness.

539: Sports Psychology. 0-3-3. Course designed to explore the behavior of individuals participating in play, game and sports.

540: Sport Impact on Society. 0-3-3. The impact of sports upon the American culture with focus on competition, economics, mythology, race relations and the Olympic syndrome.

543: Physical Education and Sport Pedagogy. 0-3-3. The study of the research on teaching, teacher education, and curriculum in physical education and sport.

544: Drug Abuse Prevention. 0-3-3. Major drugs of abuse and the available alternatives to individuals involved in this behavior, particularly during pre-adolescence.

545: Health Promotion and Wellness. 0-3-3. A multi-level approach toward implementing preventive health programs in school and organizational settings with emphasis on stress management, smoking cessation, and injury prevention.

549: Advanced Theory of Sports, Games, and Athletics. 1-3 hours credit (3). Consent of instructor. Advanced theory of various sports, games, and athletics will be explored and analyzed, and the Olympic syndrome will be discussed.


### HEALTH INFORMATION MANAGEMENT (HIM)

103: Introduction to Medical Terminology. 0-3-3. A basic study of the language of medicine including word construction, definition and use of terms and an elementary study of the human anatomy, structures and functions with medical terminology application.

107: Introduction to Health Information Management, 0-3-3. Preq. or Coreq. HIM 103. An introduction to the field of Health Information Management (HIM), professional ethics, and the basic functions of the HIM department.

108: Laboratory Practice in Basic Health Information Management Procedures. 3-0-1. Preq. or Coreq., HIM 107. An introduction to applications of modern technology and software for admissions, deficiency analysis, chart assembly, data retrieval and data storage.


204: Medical Transcription. 4-1-2. Preq., a minimum grade of "C" in HIM 103. Introduction to transcription of record forms and supervision of the medical transcription function.


208: Laboratory Practice in Coding. 3-0-1. Coreq., HIM 207. Practical application and laboratory practice in coding using ICD-9-CM.


218: Intermediate Coding/Classification Systems. 0-3-3. Preq., Minimum grade of “C” in HIM 207 and 208. Other classifications, nomenclatures, and medical vocabularies. Application of coding principles as they affect reimbursement, the prospective payment system, and ethical issues related to reimbursement.

219: Intermediate Coding Laboratory. 3-0-1. Coreq., HIM 218. Practice in coding inpatient and outpatient records, case-mix analysis, and PPS reimbursement methods.


226: Legal Aspects of Health Information Management. 0-2-2. Preq. HIM 107. A study of the principles of law as applied to the health field and medical record practice.

228: Health Information Services. 0-2-2. Preq. HIM 115, 224 and MGMT 201 or 310. Application of supervisory techniques to health information services.


234: Quality Improvement Laboratory. 3-0-1. Preq., HIM 115, and 224. Practical application of healthcare statistics, quality assessment tools, and accreditation standards.

235: Advanced Coding Laboratory. 6-0-2. Preq., Minimum of 2.25 GPA in the HIT curriculum. Coreq., HIM 277, 278, or 279. All other HIT course work must be complete. Intensive study of the principles of various coding systems through practical application.

277: Practica/Internship/Cooperative Education in Health Information Management. 40-0-6. Preq., Minimum of 2.25 GPA in curriculum and course work complete. Scheduled in the quarter of graduation. On site, supervised, structured work experiences located within a 100-mile radius of Ruston. Application and supervision fee required.

278: Practica/Internship/Cooperative Education in Health Information Management. 40-0-6. Preq., Minimum of 2.25 GPA in curriculum and course work complete. Scheduled in the quarter of graduation. On site, supervised, structured work experiences located beyond a 201-mile radius of Ruston. Application and supervision fee required.

312: Health Data Content & Structure. 0-3-3. Preq., Jr. standing. Introduction to health information systems with an emphasis on healthcare vocabulary, standards and models, and on the computer-based patient record.

318: Data Management in Healthcare. 0-3-3. Preq., HIM 312. Techniques employed to manage health data using computers.

319: Data Management in Healthcare Laboratory. 3-0-1. Preq., HIM 312. Coreq., HIM 318. Practical application of data management techniques in healthcare.

417: Health Care Research. 0-3-3. Preq., HIM 430 and Coreq. QA 233. An introduction to the application of the scientific method and research design to health information management.

418: Healthcare Research Laboratory. 3-0-1. Preq. or Coreq., HIM 417. Practice in abstracting medical information from healthcare records, designing data collection instruments, statistical analysis, and basic research methods used for health services and clinical research.


430: Health Information Management. 0-3-3. Preq., MGMT 310, 470, and a minimum grade of "C" in all HIM 100- and 200-level courses in curriculum. Management principles applied to the administration of health information systems.

431: Laboratory Practice in Administration of the Health Information Systems. 3-0-1. Preq. of Coreq., HIM 430. Laboratory practice using evaluation procedures to assist in problem-solving and decision-making.


499: Special Problems: 1-4 semester credit hours. Preq., Junior standing and consent of the instructor. Selected topics in an identified advanced area of study in Health Information Management.

---

**HISTORY (HIST)**

HIST 101 and 102 are normally regarded as prerequisites for advanced non-American history courses. HIST 201 and 202 are normally regarded as prerequisites for advanced American history courses. Exceptions can be made with permission of the department head.

101: World History to 1500. 0-3-3. A survey of civilization of the world to 1500. Major emphasis on Western Civilization.

102: World History since 1500. 0-3-3. A survey of civilization of the world since 1500. Major emphasis on Western Civilization.

103: Foundations of Ancient Civilization. 0-3-3. Interdisciplinary study of major works of ancient Greek and Roman civilization. For HONORS Program students only. Satisfies course work in HIST 101. Also listed as ENGL 103.

104: Foundations of Medieval and Renaissance Civilization. 0-3-3. Interdisciplinary study of major works of Medieval and Renaissance civilization. For HONORS Program students only. Satisfies course work in HIST 102. Also listed as ENGL 204.


202: History of the United States, 1877 to the Present. 0-3-3. A survey of American history from Reconstruction to the present.

203: Foundations of Modern Civilization. 0-3-3. Interdisciplinary study of major works of modern civilization. For HONORS Program students only. Satisfies course work in HIST 202. Also listed as ENGL 204.

204: Foundations of American Civilization. 0-3-3. Interdisciplinary study of major works of modern civilization. For HONORS Program students only. Satisfies course work in HIST 201 or 202. Also listed as ENGL 204.

333: History of Rome. 0-3-3. A survey of the political, economic, social, and cultural history of Rome from earliest beginnings through the fifth century AD.

360: History of Louisiana. 0-3-3. A study of Louisiana history from early explorations to the present.

395: Junior Seminar in History. 0-3-3 (G). Introduction to the sources and methods of historical inquiry through in-depth group study of a specific topic, problem, or era. May be repeated for credit as topic changes.

402: History of American Foreign Policy. 0-3-3. A study of the development and expansion of American foreign policy from colonial beginnings to the present. (G)

403: History of England to 1688. 0-3-3. A study of the development of the English people from the earliest times to the accession of William and Mary. (G)

404: History of England since 1688. 0-3-3. A study of English political, social, and economic institutions and policies in the eighteenth, nineteenth, and twentieth centuries. (G)

408: Hitler's Germany. 0-3-3. A study of German history since 1862 with special emphasis on the rise and impact of Adolph Hitler and National Socialism. (G)

410: History of Modern Russia. 0-3-3. A survey of Russian history with special emphasis on twentieth century developments.

413: Medieval Europe. 0-3-3. A survey of Europe from the decline of Rome to the advent of the Renaissance. (G)

414: Renaissance and Reformation. 0-3-3. A study of the political, economic, and cultural evolution of Europe from 1300 to 1648. (G)

415: History of the Christian Church. 0-3-3. A study of the rise and expansion of the Christian Church and its enormous influence on world history. (G)

418: Europe in the Era of the French Revolution and Napoleon. 0-3-3. A study of early modern Europe during the transition from the aristocratic era of the Old Regime to the Age of Revolutions. (G)

419: Nineteenth Century Europe. 0-3-3. A survey of political, economic, and cultural developments in Europe from the defeat of Napoleon I to the outbreak of World War I. (G)

420: Twentieth Century Europe. 0-3-3. A survey of political, economic, and cultural developments in Europe since the outbreak of World War I. (G)

423: The Civil War and Reconstruction. 0-3-3. A survey of American history from the beginning of the Civil War to 1877. (G)

430: History of the Ancient Near East. 0-3-3. A survey of the civilizations of the Near East from earliest beginnings to 330 B.C. (G)

431: History of Greece. 0-3-3. A political, economic, social, and cultural study of Greek history from earliest beginnings through the Hellenistic era. (G)

432: The Roman Republic. 0-3-3. A study of the political, cultural, economic, and social history of Rome from earliest beginnings to the end of the Republic. (G)

433: The Roman Empire. 0-3-3. A study of the political, cultural, economic, and social history of Rome during the period of the Empire. (G)

436: History of the Modern Near East. 0-3-3. A history of the Arab world from the fifteenth century to the present. (G)

440: History of Latin America to 1824. 0-3-3. A survey of Latin American history from European and Indian backgrounds to 1824. (G)

441: History of Latin America since 1824. 0-3-3. A survey of political, economic and social developments in Latin America since 1824. (G)

442: History of Mexico. 0-3-3. A survey of the political, economic, and social evolution of the Mexican nation from its Indian origins to the present. (G)

444: History of Central America and the Caribbean. 0-3-3. The history of Central America and the islands of the Caribbean from 1492 to the present, with emphasis on the historical roots of contemporary problems. (G)

447: History of China. 0-3-3. Traces the development of Chinese civilization from its earliest origins to the present. (G)

450: History of the Old South. 0-3-3. A study of the political, economic, and social development of the antebellum South. (G)

451: History of the New South. 0-3-3. A survey of the major topics of the history of the American South from Reconstruction to the present day. (G)

465: Early 20th Century America. 0-3-3. A study of the social, political and economic development of the United States from 1900 to the end of the New Deal. (G)

466: Contemporary America. 0-3-3. An examination of United States history from World War II to 1960, emphasizing the expansion of America's role in world affairs.

467: Vietnam, Watergate and After: America, 1960 to the Present. 0-3-3. An intensive study of United States history from the troubled 60's to the present. (G)
472: History of American Ideas. 0-3-3. A survey of the major forces and ideas that have shaped American history. (G)

474: The American Frontier. 0-3-3. A study of the American frontier from the colonial period to 1890, with special emphasis on social and economic growth. (G)

475: Women in American History. 0-3-3. A study of women's contributions to American history with special emphasis on the role of women in contemporary society. (G)

478: African-American History. 0-3-3. A survey of how African Americans have contributed to US history and culture from 1500 to the present. (G)

480: History of Science. 0-3-3. Preq., advanced history courses and six hours of science. A descriptive survey of the history of science and its chemical applications. (G)

481: The British Empire. 0-3-3. A study of the rise and fall of the British Empire, with primary emphasis on South Africa, India, Canada, Australia, and New Zealand.

483: The Intellectual and Cultural History of the Western World from the Hellenic Era to the End of the Middle Ages. 0-3-3. A survey of the philosophical, cultural, religious, scientific, artistic, and literary thought and achievement of western man from the Greeks to the beginning of the Renaissance. (G)

484: The Intellectual and Cultural History of the Western World in Modern Times. 0-3-3. A survey of the philosophical, cultural, religious, scientific, artistic, and literary thought and achievement of western man from the Renaissance to the present. (G)

486: Introduction to Public History. 3-3-3. Theoretical, practical, and career issues related to the practice of history in public venues, including museums, historical sites, and similar professional environments. (G)

490: Selected Topics in History. 0-3-3 (6). Readings, discussions, and lectures in an area of current interest in the discipline of history, with topic designated by instructor. May be repeated for credit as topic changes. (G)

495: Senior Seminar in History. 0-3-3 (6). Advanced consideration of the sources and methods of historical inquiry through in-depth group study of a specific topic, problem, or era. May be repeated for credit as topic changes.

505: Introduction to Historical Research and Writing. 0-3-3. Lectures, readings, discussions, and practical exercises on the sources and methods of professional historical scholarship, with students producing papers based on original research.

506: Seminar in American History, to 1877. 0-3-3 (6). Intensive study of a restricted topic in American history, to 1877 (excluding the American Civil War), with topic designated by instructor. May be repeated for credit as topic changes.

507: Seminar in American History, Since 1877. 0-3-3 (6). Intensive study of a restricted topic in American history, since 1877, with topic designated by instructor. May be repeated for credit as topic changes.

510: Independent Study and Research. 3 hours credit. Independent reading and research in selected history topics.

515: Seminar in Louisiana History, 0-3-3. Selected reading and research in Louisiana History, with particular emphasis on the twentieth century.

516: Seminar in Southern History, to 1860. 0-3-3 (6). Intensive study of a restricted topic in the history of the American South, to 1860, with topic designated by instructor. May be repeated for credit as topic changes. Collaborative: transmission originates @ ULM.

517: Seminar on the American Civil War. 0-3-3. Lectures, readings, discussion, and research on the history of the American Civil War. Collaborative: transmission originates @ Tech.

518: Seminar in Southern History, Since 1860. 0-3-3 (6). Intensive study of a restricted topic in the history of the American South, since 1860 (excluding the American Civil War), with topic designated by instructor. May be repeated for credit as topic changes. Collaborative: transmission originates @ ULM.

526: Seminar in American Civilization. 0-3-3 (6). Intensive study of a restricted topic in the social, cultural, and intellectual history of the United States, with topic designated by instructor. May be repeated for credit as topic changes. Collaborative: transmission originates @ ULM.

528: Seminar on American Foreign Relations. 0-3-3 (6). Intensive study of a restricted topic in the diplomatic history of the United States, with topic designated by instructor. May be repeated for credit as topic changes. Collaborative: transmission originates @ ULM.

530: Seminar in Ancient History. 0-3-3. Selected reading and research topics in Ancient History.

535: Seminar in Medieval History. 0-3-3. Selected reading and research topics in Medieval History.

540: Recent European History. 0-3-3. An intensive study of a restricted subject in recent history (to be chosen by the instructor), with an introduction to scholarly research in this field.

543: Seminar in Latin American History. 0-3-3. Lectures, reading and research on selected topic in Latin American history.

545: Seminar in Near East History. 3 hours credit. Independent study, research, and writing in Near East History, with an introduction to scholarly research in this field.

548: Seminar in Eastern Asian History. 0-3-3. Selected reading and research topics in East Asian History, to 1830. (6)

551: European Traditions, to 1650. 0-3-3 (6). Intensive study of a topic in the history of Western civilization and culture, with topic designated by instructor. May be repeated for credit as topic changes. Collaborative: transmission originates @ ULM.

552: European Traditions, Since 1650. 0-3-3 (6). Intensive study of a topic in the history of Western civilization and culture, with topic designated by instructor. May be repeated for credit as topic changes. Collaborative: transmission originates @ Tech.

560: Seminar in Military History. 0-3-3 (6). Intensive study of a topic in the history of military institutions, wars, and warfare, with topic designated by instructor. May be repeated for credit as topic changes. Collaborative: transmission originates @ ULM.

580: Seminar in the History of Science & Technology. 0-3-3 (6). Intensive study of a topic in the history of science and technology, with topic designated by instructor. May be repeated for credit as topic changes. Collaborative: transmission originates @ Tech.

595: Current Problems in History. 0-3-3 (6). Intensive study of an issue, question, topic, or debate of current interest in the historical profession. May be repeated for credit as topic changes.

---

**HUMAN ECOLOGY (HEC)**

Courses in the School of Human Ecology are also listed under: Family and Child Studies, Food and Nutrition, and Merchandising and Consumer Studies.

127: Orientation. 0-1-1. Introduction to roles and responsibilities of College students as preparation for professional careers.


405: Family and Consumer Sciences Methods. 0-3-3. An understanding of the family and consumer sciences education programs with emphasis on philosophy, principles and methods of teaching in family and consumer sciences areas.

406: Special Problems in Human Ecology. 1-3 hours credit (12). Special offerings selected by student with approval of adviser. May be repeated for credit with Dean's permission. (G)


457: Issues in Professional Employment. 0-1-1. Preparation to assume professional roles in the field of human ecology. Designed to be taken one or two quarters prior to graduation.

467: Professional Practica in Human Ecology. 1-3 hours credit (6). (Pass/Fail). Preq., SPCH 110 or consent of instructor. Application required.

477: Practica/Internship/Cooperative Education in Human Ecology. 1-6 hours credit. (9). (Pass/Fail). On site, supervised, structured work experiences located within a 100-mile radius of Ruston. Application and supervision fee required.

478: Practica/Internship/Cooperative Education in Human Ecology. 1-6 hours credit (9). (Pass/Fail). On site, supervised, structured work experiences located within 101-200 mile radius of Ruston. Application and program fee required.
is upon high volume discrete production and flexible manufacturing systems.


408: Manufacturing Facilities Planning. 0-3-3. Preq., MEEN 321. Detail planning for facilities location, product development, equipment and manpower requirements, production line analysis, assembly line balancing.


410: Manufacturing Systems Management. 0-3-3. Preq., INEN 400. Operations planning and productivity enhancement techniques for efficient management of manufacturing systems. This course will emphasize capacity planning, materials management, inventory control and warehousing.

411: Industrial Engineering Design I. 0-2-2. Preq., INEN 405, 407, 408, 409, 410, or consent of program chair. Open-ended design problem using industrial engineering skills including work measurement, human factors, quality control, facilities planning, plant layout, operations research, etc.


413: Industrial Robotics and Automated Manufacturing. 3-2-3. Background, structure, drive systems, effectors and the applications of robots in industrial systems.

424: Seminar. 0-1-1. Instruction and practice in conference-type discussions of technical and professional matters of interest to industrial engineers.


450: Special Problems. 1-3 hours credit. Selected topics of current interest in Industrial Engineering not covered in other courses.

490: Applications of Artificial Intelligence and Expert Systems in Mechanical and Industrial Engineering. 3-2-3. Introduction to artificial intelligence, expert systems and their applications in industrial, mechanical and manufacturing engineering systems. (G)


502: Operations Research. 0-3-3. Applications of linear programming to industrial systems, such as production and inventory control. Sensitivity analysis. Transportation and transshipment algorithms. Parametric linear programming. Convex and integer programming.

504: Systems Simulation. 0-3-3. The use of digital computer programs to simulate the operating characteristics of complex systems. Statistical considerations in sampling from a simulated process.


513: Inventory Control. 0-3-3. Analytical methods of determining reorder size and minimum points of various inventory systems. Mathematical models with restrictions and quantity discount. Forecasting techniques and production smoothing.

514: Industrial Statistics. 0-3-3. Application of statistical techniques to industrial problems, relationships between experimental measurements using regression, correlation theories and analysis of variance models.