7333 Internship in Internal Auditing (3) Prereq.: permission of instructor and department chair required. Credit will not be granted for ACCT 4231 or ACCT 4531 or 4532 or 4533. Pass-fail grading. At least 20 hrs per week of learning experience in internal auditing under the general supervision of the instructor and direct supervision of a professional in internal auditing. Grading based on the faculty member’s evaluation and a written report by the professional supervisor, and a written report by the student. 7401 Ethics for Professional Accountants (3) Prereq.: MS in accounting students or permission of department. Course approach to the ethical and regulatory environment of the practice of professional accounting. 7421 Public Sector Accounting and Reporting (3) Prereq.: ACCT 3001. MS in accounting students or permission of department. Credit will not be given for this course and ACCT 4421. Public sector management competencies for executive directors, managers, accountants, and consultants for government and nonprofit organizations; topics include financial reporting, regulation, managerial, auditing, taxation, and information systems issues in governmental and nonprofit entities. 7601 International Accounting (3) MS in accounting students or permission of department. Accounting principles, auditing in international business and the financial reporting requirements applicable to multinational corporations; causes of international accounting problems. 8900 Pre-Registration Requirement (1-9) May be repeated for credit. Pass-fail grading. Permission of instructor and department chair required. 9000 Dissertation Research (1-12 per sem.) 5” Y’U” grading. 9001 Accounting Research I (3) For doctoral students only. Research methods in accounting and a survey of the accounting research literature. 9002 Accounting Research II (3) For doctoral students only. Theoretical basis of the internal decision making and control, financial accounting, and auditing. 9003 Accounting Research III (3) For doctoral students only. Concepts and theories relating to internal decision making and control, financial accounting, and auditing. 9004 Accounting Research IV (3) For doctoral students only. May be taken for a max. of 6 hrs. of credit. Seminar in current accounting research topics. AEROSPACE STUDIES • ASST 1001, 1002 The Foundations of the United States Air Force (1,1) F S Coreq.: ASST 1011, 1012. Fundamentals of leadership, effective communication, organizational elements, and weapons systems of today’s Air Force. 1011, 1012 Leadership and Leadership Laboratory (1,1) F S Coreq.: ASST 1001, 1002. 2 hrs. lab. Pass-fail grading. Applied leadership in drill and ceremony, physical fitness, and military probability. 2001, 2002 The Evolution of U.S.A.F. Aerospace Power (1,1) F S Coreq.: ASST 1001, 2002. 2 hrs. lab. Pass-fail grading. Applied leadership in drill and ceremony, physical fitness, and military probability. 2011, 2012 Leadership Laboratory II (1,1) F S Coreq.: ASST 2001, 2002. 2 hrs. lab. Pass-fail grading. Intermediate leadership training through drill and ceremony, physical fitness, team building, and professional development. 2001, 2002 Air Force Leadership Studies (3,3) F S Coreq.: permission of instructor. Coreq.: ASST 3001, 3002. Skills required by the successful leader; individual motivational and personality characteristics, organizational impact, and strategic thinking. 3001, 3002 Leadership Laboratory III (1,1) F S Coreq.: ASST 3001, 3002. 2 hrs. lab. Pass-fail grading. Experiences designed to develop leadership potential; study of Air Force customs and courtesies; drill and ceremonies; life opportunities; and the life and work of an Air Force junior officer. 4001, 4002 National Security Affairs/Preparation for Active Duty (3,3) F S Prereq.: permission of instructor. Coreq.: ASST 4011, 4012. Organization and implementation of national security; evolution of strategy; management of conflict; and civil-military integration; military professionalism; overview of the military justice system. 4011, 4012 Leadership Laboratory IV (1,1) F S Coreq.: ASST 4001, 4002. 3 hrs. leadership lab. Pass-fail grading. Advanced development of leadership skills through planning and leading activities; study of Air Force customs and courtesies; drill and ceremonies; leadership opportunities; and the life and work of an Air Force junior officer. Leadership Lab (0) F S One hour per week throughout student’s involvement in AFROTC. Experiences designed to develop leadership potential; study of Air Force customs and courtesies; drill and ceremonies; life opportunities; and the life and work of an Air Force junior officer.
1101 Introduction to Agriculture (1) F
Enrollment in this course is limited to freshmen in the College of Agriculture or by permission of the instructor. Emphasis on college and vocational educational requirements in all fields of agriculture, and careers in agriculture.

1005 Science and Society (3) Principles of biology applied in a sociological context; relationships among scientific inquiry, ethics, social values, and public policies for the beginning scientist.

2001 Special Topics in Agriculture (1-3 Prereq.: permission of department. May be repeated for a max. of 6 hrs. credit. May be taken for a max. of 6 sem. hrs. of credit when topics vary)
Faculty directed leadership development practicum in an agricultural-related activity or program intended to integrate academic learning with practice.

AGRONOMY & AGRO
General education courses are marked with stars (★)

1001 Introduction to Managed Plant Systems in the Modern World (3) S 2 hrs. lecture; 2 hrs. lab. Survey of plant kingdom; development of plants; ecosystem structure, sustainable agriculture and animal/plant systems; plant nutrition, food additives, and food safety; plant breeding for improved yield and fiber; biotechnology and its role in modern agriculture.

2011 Analysis of Environmental Issues (3) See EMS 2111.
2051 Soil Science (4) Prereq.: CHEM 1001 or 1002 or 1212 or equivalent. 3 hrs. lecture; 2 hrs. lab. Also offered as EMS 2051. Principles of soil science; properties of soils related to plant growth and the environment.

2066 Introduction to Turfgrass Management (3) See HORT 2066.
3000 Principles of Crop Production (3) Prereq.: BIOL 1402 or equivalent. Crop production practices relative to major crops grown in Louisana and the U.S.; seed bed preparation, planting, weed and pest control; harvest and processing practices related to each major crop group.

3100 Research Problems (3) F,S,Su Prereq.: consent of instructor. May be taken for a max. of 6 hrs. of credit. Independent research under a faculty member, culminating in an oral and written report.

3111 Fall Crop Production Laboratory (1) F Prereq.: credit or registration in AGRO 3000. Field and laboratory research designed to provide an understanding of the growth and practices involved in production of soybeans, cotton, and sugarcane.

3012 Spring Crop Production Laboratory (1) S Prereq.: AGRO 3112. Field and laboratory research designed to provide an understanding of the growth and practices involved in the production of winter small grains.

3123 Summer Crop Production Laboratory (1) S Prereq.: AGRO 3112. Field and laboratory research designed to provide an understanding of the growth and practices involved in the production of soybeans and corn.

3040 Soil Conservation (2) F Prereq.: AGRO 2051. Also offered as EMS 3045. Causes and effects of soil erosion and sedimentation; their effects on the quality of the environment; methods of reducing erosion and soil environmental pollution.

3090 Agronomic Internship (3) F,S,Su Prereq.: overall GPA of 2.50 and written consent of instructor. May be taken for a max. of 6 hrs. of credit. Work experience in crop, soil, or environmental quality related areas culminating in acceptable written reports and a seminar presentation.

4005 Forage Ecology and Management (3) S Forage crop physiology, adaptation, production, utilization, and management; impact on the environment.

4012 Soil Fertility and Soil Management (4) S Prereq.: AGRO 2051, 3 hrs. lecture; 2 hrs. lab. Factors affecting plant growth and utilization of essential elements; mechanisms of nutrient uptake; diagnosis of deficiencies; use of lime and fertilizers; potential nutrient losses.

4025 Chemical Properties of Soil (4) F Prereq.: AGRO 2051, 3 hrs. lecture; 3 hrs. lab. Also offered as EMS 4055. Chemical and mineralogical properties of soils; their effect on point source and nonpoint source protection; effects of non-nitrogen/additional hazardous matters on soil properties.

4056 Microbial Ecology and Nutrient Cycling in Soils (4) S Prereq.: AGRO 2051. 3 hrs. lecture; 3 hrs. lab. Also offered as BIOL 4256 and EMS 4056. Microorganisms in terrestrial environments and biogeochemical processes influencing C, N, and P cycling; role of microorganisms in biological nitrogen fixation, plant nutrient availability, fertilizers, and soil human and organic inorganic materials; impact of microbial processes on environmental quality.

4064 Principles of Plant Breeding (4) F Prereq.: AGRO 2051 or equivalent. 3 hrs. lecture. Also offered as HORT 4064. Methods of plant genetic improvement: hybridization, genetic manipulation, and variety development; selection for improved yield and quality; stress resistance; genetic engineering and biotechnology.

4070 Weed Science and the Environment (3) Prereq.: BIOL 1001, 1002, CHEM 1001, 1002. Equivalent. 2 hrs. lecture; 2 hrs. lab. Weed biology and economic importance of weeds in the diverse agriculture of Louisana; weed management programs, characteristics of important herbicides, mechanisms of herbicide action, fate of herbicides in the environment, and pesticide application, legislative issues.

4071 Weed Biology and Ecology (3) F Prereq.: BIOL 1001, 1002, or equivalent. 2 hrs. lecture; 2 hrs. lab. Study of general plant ecological principles, reproduction, population interactions, allelopathy, heredity and resistance, and the impact of weed control mechanisms on weed and crop communities.

4077 Environmental Soil Physics (3) Prereq.: AGRO 2051. Also offered as EMS 4077. The physical soil system; the soil components and their physical interactions; soil physical properties; surface soil and proﬁle, the inorganic materials, soils, air, and heat; fate and transport of applied chemicals in the soil proﬁle and processes governing the mobility of chemicals.

4087 Land Use Planning and Land Management (3) S Prereq.: AGRO 3040 or consent of instructor. 2 hrs. lecture; 2 hrs. lab. Land use planning and management based on chemical, mineralogical, and physical properties of soils; includes applications of soils, plants, hydrology, and remote sensing databases for advanced GIS analysis; areas of use and management include crops, pasture, forest and woodland, metropolitan, transportation, waste disposal, wildlife management, and disturbed lands.

4088 Advanced Crop Production and Management (3) S-O Prereq.: AGRO 3112 and BIOL 3060 or equivalent. Effect of cultural practices on physiologic/ecological interactions affecting crop growth, development, and yield.

4090 Agronomic Problem Solving (3) S-E Prereq.: AGRO 2051 or equivalent; BIOL 3040 or AGRO 4080: AGRO 3000 or equivalent. Analysis and solution of specific agronomic problems; emphasis on researching literature, group discussion, and development of answers to hypothetical management questions.

4091 Special Topics in Crop Science (1-3 Prereq.: writ- ten consent of instructor. May be repeated for a total of 6 sem. hrs. may be earned in AGRO 4091 and 4092 combined.

4092 Special Topics in Soil Science (1-3 Prereq.: written consent of instructor. May be repeated for a total of 6 sem. hrs. may be earned in AGRO 4091 and 4092 combined.

6011 Topics in Plant, Environmental an Soil Sciences for Teachers (3) See EMS 6011.

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