Atmospheric Science (A Graduate Group)

290. Seminar (1) Seminar—1 hour. Prerequisite: graduate standing in Atmospheric Science or related field. Current development in selected areas of atmospheric research. Topics will vary according to student and faculty interests. (S/U grading only)—F, W, S. (F, W, S.)

291A. Research Conference in Atmospheric Science; Air Quality Meteorology (1-3) Lecture/discussion—1-3 hours. Prerequisite: consent of instructor. Review and discussion of current literature and research in Air Quality Meteorology. May be repeated up to 6 units for credit. (S/U grading only)—F, W, S. (F, W, S.)

291B. Research Conference in Atmospheric Science; Biometeorology (1-3) Lecture/discussion—1-3 hours. Prerequisite: consent of instructor. Review and discussion of current literature and research in Biometeorology. May be repeated up to 6 units for credit. (S/U grading only)—F, W, S. (F, W, S.)

291C. Research Conference in Atmospheric Science; Boundary Layer Meteorology (1-3) Lecture/discussion—1-3 hours. Prerequisite: consent of instructor. Review and discussion of current literature and research in Boundary Layer Meteorology. May be repeated up to 6 units for credit. (S/U grading only)—F, W, S. (F, W, S.)

291D. Research Conference in Atmospheric Science; Climate Change (1-3) Lecture/discussion—1-3 hours. Prerequisite: consent of instructor. Review and discussion of current literature and research in Climate Change. May be repeated up to 6 units for credit. (S/U grading only)—F, W, S. (F, W, S.)

291E. Research Conference in Atmospheric Science; General Meteorology (1-3) Lecture/discussion—1-3 hours. Prerequisite: consent of instructor. Review and discussion of current literature and research in General Meteorology. May be repeated up to 6 units for credit. (S/U grading only)—F, W, S. (F, W, S.)

291F. Research Conference in Atmospheric Science; Atmospheric Chemistry (1-3) Lecture/discussion—1-3 hours. Prerequisite: consent of instructor. Review and discussion of current literature and research in Atmospheric Chemistry. May be repeated up to 6 units for credit. (S/U grading only)—F, W, S. (F, W, S.)

298. Group Study (1-5) Prerequisite: graduate standing and consent of instructor. (S/U grading only)—F, W, S. (F, W, S.)

299. Research (1-4) May be repeated up to 6 units for credit. (P/NP grading only.)—F, W, S. (F, W, S.)

Graduate Study. The Avian Sciences Graduate Group offers a program of study and research leading to the M.S. degree in Avian Sciences. The M.S. degree is offered in Avian Sciences. For details, see Graduate Studies, on page 120.

Related Courses. See Agricultural and Environmental Economics 130; Animal Science 143; Food Science 120, 121; Molecular and Cellular Biology 150, 1500; Nutrition 123, 123L.

Avis Science (AVS) Lower Division

11. Introduction to Poultry Science (3) Lecture—3 hours. The mosaic of events that have shaped poultry science to include the history of livestock and poultry to humans. Poultry science techniques and production methods from the time of domestication to the present. One field trip required. GE credit: SciEng|Wrt|SE.

13. Birds, Humans and the Environment (3) Lecture—2 hours; discussion—1 hour. Interrelationships of the worlds of birds and humans. Lectures, discussions, field trips and projects focus on ecology, avian evaluation, physiology, migration, behavior, folkore, identification, ecotaxonomy and conservation. Current environmental issues are emphasized. Half-day field trip. GE credit: SciEng|Wrt|SE, SL.—F (F) King

14L. Management of Captive Birds (2) Fieldwork—3 hours; lecture/discussion—1 hour. Prerequisite: consent of instructor. One weekly discussion and field trip to study practical captive management (housing, feeding, equipment, pathology, veterinary care, rehabilitation methods, research potential and long-term care requirements). GE credit: SciEng|Wrt|SE.

15L. Captive Raptor Management (2) Laboratory—3 hours; independent study—3 hours; one field trip. Hands-on experience handling birds of prey. Students are taught all of the skills required to handle and care for captive raptors, including their husbandry, biology, habitat requirements, cage design, veterinary care, rehabilitation methods, research potential and long-term care requirements. GE credit: SciEng|Wrt|SE.

16A. Raptor Migration and Population Fluctuations (2) Fieldwork—3 hours; discussion—1 hour. Prerequisite: consent of instructor. Identify raptors: study of effects of weather, crops, agricultural practices on fluctuations in raptor species and numbers. Familiarize with literature; design a project; survey study sites; collect, computerize, analyze data, compare with previous years. Specific topics empha-