WFB 4140* Wildlife Nutritional Ecology 3(3) Concepts of how terrestrial wildlife obtains and utilizes energy and nutrients in wild ecosystems are taught. Energy and nutrient availability are discussed in the ecological context of distribution, flow, and cycling in natural and modified foraging areas. Physiology of digestion is discussed for major homestrophes. Preq: WFB 3000 and WFB 3500.

WFB 4150* Quality Deer Management 3(3) Quality Deer Management (QDM) is a stewardship philosophy that provides desirable hunting experiences by producing whitetailed deer herds with a natural age and sex structure and population size appropriate for habitat conditions. The course will emphasize herd management, habitat management, hunter management and herd monitoring. Online course. Preq: Junior standing.

WFB 4160 Fishery Biology 3(2) Principles underlying freshwater fish production. Introduction to major groups of freshwater fishes and their habitats. Topics include identification, age and growth, fecundity, food habits, populations estimation, environmental evaluation, management practices, and fish culture. Preq: WFB 3000 and WFB 3500. Coreq: WFB 4161.

WFB 4161 Fishery Biology Laboratory 0(3) Non-credit laboratory to accompany WFB 4160. Coreq: WFB 4160.

WFB 4180 Fish Conservation 3(3) Survey of conservation efforts directed toward freshwater and marine fisheries resources. Topics include threatened, endangered, and over-exploited species and introductions of exotic species. Preq: WFB 3000 and WFB 3500.

WFB 4300* Wildlife Conservation Policy 3(3) Deals with the ecological rationale and management implications of public policy designed for the conservation of American wildlife resources. Emphasis is on endangered species issues. Preq: WFB 3000 and WFB 3500.

WFB 4400 Non-Game Wildlife Management 3(3) Basic principles and general practices of non-game wildlife management are covered. Emphasis is placed on those principles and practices most appropriately used by state agencies in their management programs for non-game species, along with real-world problems associated with implementation of such programs. Preq: WFB 3000 and WFB 3500.

WFB 4440* Wildlife Damage Management 3(2) Covers the philosophical, sociological, ecological, and economical basis for controlling damage caused by animals problem wildlife populations. Emphasis is placed on fundamentals of prevention and control of damage caused by vertebrate species, especially mammals and birds. Includes interaction with federal and state agencies and private consultants. Preq: WFB 3000 and WFB 3500. Coreq: WFB 4441.

WFB 4441* Wildlife Damage Management Laboratory 0(3) Non-credit laboratory to accompany WFB 4440. Coreq: WFB 4440.

WFB 4450 Urban Wildlife Management 3(3) Focuses primarily on social, scientific, and ecological aspects of managing wildlife in the urban setting. Basic wildlife management techniques as well as urban planning for wildlife are covered. Preq: WFB 3000 and WFB 3500.

WFB 4500* Aquaculture 3(3) Basic aquacultural techniques applied to freshwater and marine organisms; past and present culture of finfishes and shellfishes around the world; principles underlying fish production; water quality, feeding, and nutrition as they influence production of cultured aquatic organisms. Preq: WFB 3000 and WFB 3500.

WFB 4600* Warmwater Fish Diseases 2(2) Study of diseases in warmwater fish including infectious and noninfectious processes. Preq: WFB 3000 and WFB 3500.

WFB 4620* Wetland Wildlife Biology 3(3) Study of wetland wildlife habitats, emphasizing classification by physical, chemical, and biological characteristics, importance of wetland habitat for management and production of wetland wildlife species. Offered fall semester only. Includes Honors sections. Preq: WFB 3000 and WFB 3500.

WFB 4630 Directed Research in Aquaculture, Fisheries, and Wildlife Biology 3(3) Research problems in selected areas of aquatic, fishery, or wildlife science to introduce students to experimental design, research techniques, and presentation of research results. May be repeated for a maximum of three credits. Preq: Junior standing and consent of instructor.

WFB (BIOL) 4680* Herpetology 4(3) Physiology, functional morphology, ecology, evolution, biomechanics and current literature of amphibians and reptiles. Laboratory study examines morphology and identification of world families and United States genera, as well as southeastern species. Field trips are required. May also be offered as BIOL 4680. Preq: BIOL 1040 and BIOL 1060; or BIOL 1120. Coreq: WFB 4681.

WFB (BIOL) 4681* Herpetology Laboratory 0(6) Non-credit laboratory to accompany WFB 4680. May also be offered as BIOL 4681. Coreq: WFB 4680.

WFB (BIOL, ENT) 4690* Aquatic Insects 3(1) Identification, life history, habitats, and inter-relationships of aquatic insects; techniques of qualitative field collecting; important literature and research workers. Includes Honors sections. May also be offered as BIOL 4690 and ENT 4690. Preq: ENT 3010. Coreq: WFB 4691.

WFB (BIOL, ENT) 4691* Aquatic Insects Laboratory 0(6) Non-credit laboratory to accompany WFB 4690. May also be offered as BIOL 4691 or ENT 4691. Coreq: WFB 4690.

WFB (AGRB) 4750* Economics of Wildlife Management and Policy 3(3) Integrated approach to the study of the economics of wildlife. Topics include determination of market and nonmarket value, single and multiple species management, enterprise cost and returns, marketing wildlife, leasing methods, complementarity and competitiveness with agricultural and forestry enterprises, and timber and crop damage cost estimates and control. May also be offered as AGRB 4750. Preq: AGRB 2020 or ECON 2000 or ECON 2110 or FOR 3040 or WFB 3060.

WFB 4760* Bird Conservation and Ecology 3(3) Field-intensive introduction to the identification, ecology, and conservation of North American birds and their habitats with an emphasis on management and applied field ornithology. Includes bird/habitat survey and census techniques. At least one weekend (Friday-Sunday) field trip is required. Preq: BIOL 1040 and BIOL 1060; or BIOL 1120. Coreq: WFB 4761.

WFB 4761* Bird Conservation and Ecology Laboratory 0(4) Non-credit laboratory to accompany WFB 4760. Coreq: WFB 4760.

WFB 4930 Selected Topics 1-4(1-4) Specialized topics which explore current areas of research and management in aquaculture, fisheries science, or wildlife management; are examined in lectures/ seminar format. May be repeated for a maximum of ten credits, but only if different topics are covered. Preq: Junior standing and consent of instructor. Coreq: WFB 4931.

WFB 4931 Selected Topics Laboratory 0(1-4) Non-credit laboratory to accompany WFB 4930. Coreq: WFB 4930.

WFB 4980 Senior Portfolio 1(1) Collection of Web-based materials representing the creative and scientific papers, presentations, and résumés written by students to satisfy curriculum requirements. Students are regularly informed regarding the format and content of their portfolios. Preq: Senior standing and Wildlife and Fisheries Biology field of study. Preq or concurrent enrollment: FNR 4990.

WOMEN'S STUDIES

Professor: J. M. Elton; Associate Professor: E. K. Sparks; Assistant Professor: M. Shockley; Lecturer: S. Watts

WS 1030 Women in Global Perspective 3(3) Cross-cultural and multidisciplinary introduction to issues facing women globally. Issues may include women and work, violence against women, reproduction and women's health, sexuality and rites of passage, women and the weight of tradition, movements for women's empowerment.

WS 2300 Women and Leadership 3(3) Students learn the basics of leadership, including an understanding of different leadership styles, effective leadership practices, and the unique challenges and opportunities faced by women leaders. Attention is paid to the ways in which female leaders are both the same as and different from their male counterparts, and to the ways in which female leaders can affect positive change in women's lives. Ethical leadership, leadership in a diverse global environment, and different paths to leadership are also explored.

WS 3010 Introduction to Women's Studies: Women's Lives 3(3) Interdisciplinary course exploring the unique features of women's lives from childhood to old age. Content is based on new research in many disciplines, including psychology, sociology, history, literature, and the arts. Preq: Sophomore standing.

WS (COMM) 3160 Girlhood, Media, and Popular Culture 3(3) Explores how the mass media and popular culture contribute to social constructions of girlhood. Employing the critical lens of feminist and communication theories, students examine mediated depictions of girls as well as how girls actively produce and negotiate media and popular culture. May also be offered as COMM 3160. Preq: COMM 2100 with a C or better or WS 3010.
WS (PHIL) 3490 Theories of Gender and Sexuality 3(3)
Examine the philosophical dimensions of contemporary debates about the nature of sex, gender, and sexuality. May also be offered as PHIL 3490.

WS 3900 Women's Studies Internship 3 (B)
Faculty-supervised internship provides Women's Studies minors with relevant work experience, mentoring, and networking opportunities with local leaders in business, government, and non-profit organizations. Preq: Women's Studies minor, Junior standing, and consent of internship coordinator.

WS 4010 Senior Seminar 3(3)
In-depth exploration and analysis of a special topic in the areas of women's and leadership studies, culminating in a senior project documented in written, oral, visual and/or multimedia presentations. Topics vary based on student research interests. Preq: Senior standing in Women's Leadership.

WS (ANTH) 4230 Women in the Developing World 3(3)
Comparative anthropological study of women and their status in developing countries around the world. A survey of women's daily lives in a global context, emphasizing education, economics, and the environment. Case studies include microfinance, literacy, reproductive rights and practices, and the impact of religious fundamentalism on women. May also be offered as ANTH 4230. Preq: ANTH 4230.

WS (ENG) 4360 Feminist Literary Criticism 3(3)
Introduces the germinal works of feminist literary theory and criticism. Outlines the development of modern literary criticism by studying feminist versions of the major critical methodologies. May also be offered as ENG 4360. Preq: ENG 3100.

WS 4590 Selected Topics in Women's Studies 1-3(1-
Topics change from semester to semester and are announced prior to registration. May be repeated for a maximum of six credits, but only if different topics are covered.

WS 4900 Creative Inquiry 1-3(1-3)
Small group work on particular issues with emphasis on involving students in research. Content varies. May be repeated for a maximum of six credits. Preq: Consent of instructor.

WS 4950 Independent Study 1-3(1-3)
Course of study designed by the student in consultation with a faculty member who agrees to provide guidance, discussion, and evaluation of the project. Student must confer with faculty member prior to registration. May be repeated for a maximum of six credits. Preq: Consent of instructor.

Youth Development Program

YDP 3000 Youth Development in Society 3(3)
The course provides an overview of youth development in society. It examines social change and its impact on youth development, the historical development of youth programs, programs and plans designed to be responsive to youth issues, and supports to assist youth in becoming healthy, productive, and engaged citizens. Preq: Youth Development Studies major.

YDP 3050 Theory and Philosophy of Youth Development Work 3(3)
This course examines the philosophical, conceptual, and theoretical frameworks of positive youth development from the perspective of real-world application within developmental systems. Students explore both the distinctiveness and complementarity between problem-focused and youth development approaches to youth work, and work on building a common language for the field. Preq: Youth Development Studies major.

YDP 3000 Youth Development and the Family 3(3)
This course focuses on youth in the context of family development, including family dynamics. Students gain knowledge and skills to strengthen families and foster youth well being. Students also gain the skills to develop effective programs involving the family unit and the ability to conceptualize youth development from a systemic perspective. Preq: Youth Development Studies major.

YDP 3150 Community and Youth Development Systems 3(3)
This course focuses on organizations and systems that offer opportunities for youth to reach their potential and develop competencies and assets. These approaches include studying educational systems that foster success, community organizations that engage youth in becoming leaders and contributing members, and environments that are conducive to youth well being. Preq: Youth Development Studies major.

YDP 3200 Youth Development in Sport and Physical Activities 3(3)
This course examines the role of community-based sports in developing healthy youth, specifically the ways in which sport programs can be designed to maximize physical, intellectual, emotional, and social outcomes. Focus is on the role of key adults and institutions in the delivery of youth sport experiences. Preq: Youth Development Studies major.

YDP 3250 Working with Diverse Youth 3(3)
This course focuses on diversity in youth-oriented programs and settings, and provides an understanding of how race, ethnicity, gender, religion, disability, and social class affect youth development work. An emphasis is placed on building a working knowledge of cultural awareness and sensitivity as applied to the design of youth activities. Preq: Youth Development Studies major.

YDP 3300 Designing Effective Youth Programs 3(3)
This course introduces students to a variety of approaches to youth development programming. The main focus is on intentional or purposeful program planning designed to achieve targeted youth outcomes. A class, students design a youth development program that is delivered as a component of YDP 3400. Preq: Youth Development Studies major.

YDP 3350 Youth Activity Facilitation and Leadership 3(3)
This course provides a foundation for effective activity leadership to meet the needs of diverse youth populations. The course focuses on applying experiential learning approaches; different activity types; choosing activities based on intentionality, specificity, and applicability; activity sequencing; building individual and group efficacy; and activity debriefing and processing. Preq: Youth Development Studies major.

YDP 3400 Delivering Effective Youth Programs 3(3)
This course provides students with the knowledge and tools to deliver and present effective and intentional youth development programs. The course builds on the content of YDP 3300, and focuses on key programming issues, such as animation plans, equipment and facilities, program flexibility, risk management, and formative and summative assessment. Preq: Youth Development Studies major.

YDP 3450 Creative Activities for Youth 3(3)
This course examines the use of various creative activities in youth programs. Students explore the cognitive strengths of various creative activities, how to integrate creativity into youth programs, the importance of creative activities in community identity, and the availability of community resources. Preq: Youth Development Studies major.

YDP 4400 Youth Program Assessment and Evaluation 3(3)
Youth development has generated best practice programs as a consequence of evidence-based assessment and evaluation. This course familiarizes students with current best practice programs. Evaluation design concepts and strategies provide a knowledge base that prepares students with the skills to employ in evaluations of youth development programs. Preq: Youth Development Studies major.

YDP 4450 Administration of Youth Development Organizations 3(3)
This course examines approaches and strategies for the successful administration of youth organizations. Students explore organizational missions, structures, personnel management, legal issues, promotion, financial management, assessment, and strategic planning within the context of public, not-for-profit, and private youth-serving agencies and organizations. Preq: Youth Development Studies major.

YDP 4500 Professional Issues and Ethics in Youth Development 3(3)
This course provides an intensive study and culminating discussion of contemporary problems, techniques, and ethical issues in youth development. In addition, students are introduced to the process of developing original research questions in the youth development field. Preq: Youth Development Studies major.

Youth Development Studies major.

YDP 4550 Youth and Technology 3(3)
This course examines the use of technology by youth. Students explore the current uses of technology by different types of youth, the ethical issues related to youth and technology, and socio-cultural changes resulting from the use of technology by youth. Preq: Youth Development Studies major.

YDP 4990 Youth Development Fieldwork 3(2)
This course provides practical experience linking students to new hands-on learning opportunities in youth serving agencies/organizations. Students are required to complete a minimum of 60 hours of experiential learning in supervised youth services setting. Students develop a professional portfolio and special project as part of this experience. Preq: Youth Development Studies major.

YDP 4991 Youth Development Fieldwork Laboratory 0(4)
Non-credit laboratory to accompany YDP 4990. Coreq: YDP 4990.