ANR EDUCATION—AEE AND COMMUNICATION SYSTEMS

Department of Community, Agriculture, Recreation and Resource Studies
College of Agriculture and Natural Resources

100 Public Speaking in Agriculture and Natural Resources
Fall, Spring. 2(2-0) R: Open only to students in the Institute of Agricultural Technology. Public speaking skills for agriculture and natural resource professionals. Organizing and delivering effective speeches for diverse audiences.

105 Agricultural Industries Seminar
Fall. 1(2-0) R: Open only to freshmen in the Institute of Agricultural Technology. Issues of agricultural industries. Preparation for a successful academic career.

110 Foundations of ANR Communications: Learning and Leadership
Spring. 2(1-2) R: Open only to students in Agriculture and Natural Resources Communications major or Agriscience major or the Agriculture and Natural Resources - No Preference undergraduate program. SA: AEE 101 Basic information systems applied to ANR communications, learning, and leadership. Communications skills, research techniques, learning theory, technology, and personal and professional development.

111 Applications of ANR Communications: Learning and Leadership
Spring. 2(2-0) R: AEE 110 R: Open only to sophomores in the Agriculture and Natural Resources Communications major or Agriscience major or Agriscience or Natural Resources or No Preference undergraduate program. SA: AEE 101 Application of information systems theory, communications skills, research techniques, learning theory, and technology to agriculture and natural resource problems. Issue identification, critical thinking, problem solving, team building, and working with diversity.

120 Current Issues in Agriculture and Natural Resources
Fall. 3(3-0) R: Open only to freshmen or sophomores in the Institute of Agricultural Technology. Not open to students with credit in AT 040 or AT 057 or ABM 400. Implementation and interpretation of public law related to agricultural and environmental policy. Role of government in regulating technological and economic change related to agriculture and the environment. Non-governmental organizations.

202 Michigan's Agricultural and Natural Resources Heritage
Fall. 2(2-0) Interdepartmental with Agriculture and Natural Resources. Administered by Agriculture and Natural Resources. P:M: Completion of Tier I writing requirement. Michigan's historical agricultural and natural resources heritage to family, community and careers.

205 Agricultural Industries Advanced Seminar
Fall. 2(2-0) R: Open only to sophomores in the Institute of Agricultural Technology. Not open to students with credit in AT 057 or AEE 057. Career preparation. Individual and social responsibilities.

210 Approaches to ANR Technology and Information Systems
Fall. 2(1-2) RB: (AEE 110 or concurrently) or AEE 101 R: Open only to students in Agriculture and Natural Resources Communications or Agriscience major. SA: AEE 201 Development of technology and learning resources in agriculture and natural resources. Graphic design, electronic publishing, database management, evaluation techniques, and educational technology.

211 Applications of ANR Technology and Information Systems
Spring. 2(1-2) RB: (AEE 111 or concurrently) or AEE 101 R: Open only to students in the Agriculture and Natural Resources Communications or Agriscience major. SA: AEE 201 Application of technology and learning resources and systems in agriculture and natural resources for external audiences. Production of graphic designs, publishing and production of other informational materials.

212 American Agrarian Movements
Spring. 3(3-0) SA: AEE 203 Historical perspectives of America by pioneers, farmers, ranchers and others who cultivated the land from 1700s to 1930s. Agricultural movements, trends and development.

220 Agriculture and Natural Resources Policy
Spring. 2(2-0) P:M: AEE 120 R: Open only to sophomores in the Institute of Agricultural Technology. Not open to students with credit in AT 057 or ABM 400. Public policy affecting agriculture and natural resources. Legislative processes. Special interests. Governmental and fiscal responsibility. Citizen participation.

300 Approaches to Information Management and Evaluation
Fall. 3(3-0) P:M: Completion of Tier I writing requirement. RB: AEE 211 and AEE 210 R: Open only to students in the Agriculture and Natural Resources Communications or Agriscience major. SA: AEE 301 Advanced information and evaluation techniques to plan, implement and assess domestic and international communication, marketing, and educational projects in agriculture and natural resources. Qualitative and quantitative methods of inquiry.

311 Applications of Information Management and Evaluation
Fall. Spring. 1(2-0) P:M: Completion of Tier I writing requirement. RB: AEE 300 R: Open only to students in the Agriculture and Natural Resources Communications or Agriscience major. SA: AEE 301 Marketing, educational, and public relations campaigns to solve and address problems in agriculture and natural resources. Application of distance education technology and field work to domestic and international projects.

401 Agricultural and Natural Resources Communications Campaigns
Fall, Spring. Summer. 3(3-0) P:M: Completion of Tier I writing requirement. R: Open only to juniors or seniors in the College of Agriculture and Natural Resources or the College of Communication Arts and Sciences. Not open to students with credit in AEE 300 or AEE 410. Planning and execution of agricultural and natural resource communication campaigns. Emphasis on theories, strategies and techniques using mass and controlled media channels.

410 Approaches to Problems in Communications and Education (W)
Fall. 3(3-0) P:M: Completion of Tier I writing requirement. RB: AEE 311 and AEE 300 R: Open only to students in the Agriculture and Natural Resources Communications or Agriscience major. Not open to students with credit in AEE 401. Team approach to current issues in agriculture and natural resources communications and education. Solving advanced problems with peers and professionals. Professional standards and ethical practice.

411 Applications of Problems in Communications and Education
Fall. Spring. 1(2-0) P:M: Completion of Tier I writing requirement. RB: AEE 410 R: Open only to students in the Agriculture and Natural Resources Communications or Agriscience major. Not open to students with credit in AEE 401. Developing solutions for client problems through field work in agriculture and natural resources communications and education. Transition into the world of work.

412 Agricultural and Natural Resources Leadership Education
Fall, Spring, Summer. 3(3-0) R: Open only to juniors or seniors. SA: AEE 403 Characteristics of leadership and group dynamics. Development of personal leadership skills. Educational methods and learning styles.

475 International Studies in ANR Communications & Ag Science
Fall, Spring, Summer. 1 to 6 credits. A student may earn a maximum of 6 credits in all enrollments for this course. R: Approval of department; application required. Study and travel experience emphasizing contemporary problems affecting Agriculture and Natural Resources in world, national, and local communities.

476 Field Studies in Agriculture and Natural Resources Education and Communication
Fall, Spring, Summer. 1 to 6 credits. A student may earn a maximum of 6 credits in all enrollments for this course. R: Approval of department; application required. ANR education and communication issues and problems in Michigan and the United States.

490 Independent Study
Fall, Spring, Summer. 1 to 4 credits. A student may earn a maximum of 4 credits in all enrollments for this course. R: Open only to students in the Agriscience major or Agriculture and Natural Resources Communication major. Approval of department; application required. Individual study in areas of agriscience, extension education, or agricultural and natural resources communications.
Selected Topics
Fall, Spring, Summer. 1 to 6 credits. A student may earn a maximum of 6 credits in all enrollments for this course. R: Open only to students in the Agriscience major or Agriculture and Natural Resources Communications major. Approval of department. Topics in agriculture and natural resources communications or agriscience and natural resources education.

Professional Internship
Fall, Spring, Summer. 1 to 3 credits. A student may earn a maximum of 6 credits in all enrollments for this course. A student may earn a maximum of 6 credits in all enrollments for any or all of these courses: ABM 493, AEE 493, ANR 493, ANS 493, CSS 493, EEP 493, FIM 493, FW 493, HRT 493, PKG 493, PLP 493, PRR 493, and RD 493. RB: AEE 210 R: Not open to freshmen. Approval of department; application required. Professional internship for students majoring in Agriculture Communications and Agriscience.

Educational Leadership in Agriculture and Natural Resources
Fall of odd years, Spring of odd years, Summer of even years. 3(3-0) Organizing and managing strategies for agriculture and natural resource programs.

Instructional Strategies in Agriculture and Natural Resources
Fall of even years, Spring of even years, Summer of odd years. 3(3-0) Assessment of learning needs. Development, selection, use and evaluation of teaching strategies. Emphasis on agriscience education and adult learners.

Communication Strategies in Agriculture and Natural Resources
Fall of odd years, Spring of odd years, Summer of even years. 3(3-0) Information delivery systems and presentation techniques for varied agriculture and natural resources audiences.

Program Planning and Evaluation in Agriculture and Natural Resources
Fall of even years, Spring of even years, Summer of odd years. 3(3-0) Principles, theories, and practices in developing and evaluating state and local agriculture and natural resources programs.

Educational Research Methods in Agriculture and Natural Resources
Fall of even years, Spring of even years, Summer of odd years. 3(3-0) R: Open only to seniors or graduate students in the College of Agriculture and Natural Resources. Planning, designing, conducting, and reporting research in agriculture and natural resources.

Learning at a Distance
Fall of even years, Spring of odd years, Summer of even years. 3(3-0) RB: AEE 804 and AEE 806 Development, implementation and evaluation of distance education programs.

U.S. Land Grant System and the Extension Model
Spring of odd years. 3(3-0) Function, organization, and operation of extension education programs with special emphasis on the U.S. Land Grant System and the extension delivery system.

Adult Learner in Agriculture and Natural Resources
Fall of even years. 3(3-0) SA: AEE 911 Theories and philosophies of the adult as a learner in out-of-school settings. Particular emphasis on implications for agriculture and natural resources.

Experiential Education in Agriculture and Natural Resources
Summer of odd years. 3(3-0) R: Open only to graduate students in the Department of Agricultural and Extension Education. Principles and practices of agriscience laboratory teaching in high schools.

International Studies in Agricultural and Extension Education
Fall, Spring, Summer. 1 to 4 credits. Critical analysis of reflection on an international experience structured around the use of a reflective journal, relevant literature, and a series of structured writing exercises. Role of education within the agriculture and natural resources sector, issues of cultural influence, and future perspectives.

Outreach in Fisheries, Wildlife and Natural Resources Management
Spring of odd years. 3(3-0) Interdepartmental with Fisheries and Wildlife. Administered by Fisheries and Wildlife. RB: Previous course in communications recommended. Theory, research, practice and current issues in using outreach in fisheries, wildlife and natural resource management.

Independent Study in Agricultural and Extension Education
Fall, Spring, Summer. 1 to 4 credits. A student may earn a maximum of 4 credits in all enrollments for this course. R: Approval of department.

Selected Topics in Agricultural and Extension Education
Fall, Spring, Summer. 1 to 3 credits. A student may earn a maximum of 6 credits in all enrollments for this course. R: Open only to graduate students in the College of Agriculture and Extension Education. Contemporary issues and problems in agricultural and extension education.

Professional Field Experience in Agricultural and Extension Education
Fall, Spring, Summer. 1 to 4 credits. A student may earn a maximum of 4 credits in all enrollments for this course. Practice, observation, and analysis through field experiences.

Doctoral Dissertation Research
Fall, Spring, Summer. 1 to 24 credits. A student may earn a maximum of 99 credits in all enrollments for this course. R: Open only to Ph.D. students in Agricultural and Extension Education. Doctoral dissertation research.