Courses

850. Administering the Public Land Agency
Spring. 4(4-0) FOR 450 or approval of department.
Case studies of administrative problems in land
management agencies. Students are organized as
teams and prepare team reports on specified
aspects of each case.

855. The Research Process in Natural Resources
Fall. 3(3-0) Approval of department.
Interdepartmental with and administered by the Department of Resource Development.
Research and decision processes as applied in
natural resource investigations. Research or­
able credit. Approval of department.

910. Resource Economics Proseminar
Spring. 3(3-0) May reroll for a maximum of 9 credits. Approval of
instructor.

920. Timber Economics
Fall of odd-numbered years. 3(3-0)
Economic theory relevant to study of timber
production, regional and national timber supply,
demand and price, the effect of institutional
factors, and other topics by review of past re­
search.

930. Resource Economics Seminar
Spring. 3(3-0) May reroll for a maximum of 9 credits. Approval of
instructor.

940. Resource Economics Proseminar
Spring. 3(3-0) May reroll for a maximum of 9 credits. Approval of
instructor.

955. Multivariate Methods in Forestry Research
Winter of even-numbered years. 4(4-0)
FOR 975 or approval of department.
Application of multivariate techniques such as prin­
cipal components, canonical analysis, factor
analysis, and clustering to problems in forestry
research. Case studies drawn from several for­
testy disciplines.

980. Doctoral Dissertation Research
Fall, Winter, Spring, Summer. Vari­
able credit. Approval of department.

GENETICS

College of Natural Science

800. Genetics Seminar
Fall, Winter, Spring. 1(1-0) May reroll for a maximum of 12 credits. Approval of
instructor.
Student seminar to cover genetics studies not
considered in formal courses. Course is also in­
tended to give students experience in reviewing and organizing literature in a subject, and orally
presenting and defending the analysis.

804. Gene Transmission
Fall. 3(3-0) ZOL 441 or approval of
instructor.
Molecular and formal genetic studies of the re­
plication, recombination, repair and segregation
of genetic information in prokaryotes and eucaryotes. Experimental design and methodology
will be emphasized.

805. Genetic Organisation, Action and Regulation
Winter. 3(3-0) GEN 604.
Molecular and formal genetic studies of the or­
ganization, expression and regulation of gene
activity in prokaryotes and eucaryotes. Experimental design and methodology will be
emphasized.

806. Population and Quantitative Genetics
Spring. 3(3-0) ZOL 441 or approval of
instructor.
Genetics of quantitative characteristics in popu­
lations with special reference to polygenic vari­
ation and its interactions with environment, gene action and its measurement, mating sys­
tems, and selection.

807. Special Problems
Fall, Winter, Spring, Summer. 1 to 4
credits. May reroll for a maximum of 12 credits.
Approval of instructor.
Students with special interests and abilities may study published literature in a selected genetics
topic or they may carry on research in the labor­
atory on a selected subject in collaboration with
a genetics faculty member.

809. Selected Topics in Genetics
Fall, Winter, Spring. Summer. 2 to 5
credits. May reroll for a maximum of 9 credits.
ZOL 441 and approval of instructor.
Topics will be selected from molecular genetics,
physiological genetics, population genetics, quantitative genetics, evolution, radiology and
mutagenesis, microbial genetics, somatic cell
 genetics, behavioral genetics, and human genet­
ics.

999. Doctoral Dissertation Research
Fall, Winter, Spring, Summer. 3 to 12
credits. Major.
Research for the doctoral dissertation in genet­
ics.

FRENCH

See Romance and Classical Languages.

GEOGRAPHY

College of Social Science

Courses are classified as follows:
Cultural-170, 201, 801, 901
Economic-213, 400, 435, 809, 833, 906
Field Techniques-415, 850.
Geographic Education-458.
Historical-310, 810, 916
Independent Research-400H, 411, 818, 899,
918, 999.
Medical-470, 870, 970.
Physical-206, 206L, 429, 430, 431, 432, 451,
834, 902.
Political-170, 508.
Public-215, 320, 536, 934
Quantitative Methods-427, 428, 811.
Regional-204, 300, 315, 316, 321, 322, 340, 342,
369, 395, 812, 912.
Recreational and Environmental-100, 307, 309,
826.
Theory and Philosophy-150, 425, 825, 826.
Urban-218, 401, 402, 403, 460, 875.
Visual Media and Techniques-122, 223, 224,
424, 426, 446.

100. Man, Location and Environment
Fall, Winter, Spring. 3(3-0)
Geography, pedagogy, and methods of modern Geography.

122. The World of Maps
Fall, Winter, Spring. 3(3-0)
Discussion of types, practical applications, and
sources of maps.

150. Geography of Selected Current Problems
Fall, Winter. 2(2-0)
The geographic perspective is used to examine U.S. and world problems of major concern such as
international conflicts, environment quality,
spatial change, and economic development.

170. Future Worlds (S)
Fall, Winter, Spring. 3(3-0)
Geographical approach to environmental, biological, economic, social and political problems facing mankind between now and year
2000.

180. Introduction to Resource Ecology
Fall, Winter, Spring. 3(3-0)
For course description, see interdisciplinary Courses.

201. Geography of Culture
Fall, Winter, Spring. 3(3-0)
A systematic discussion of cultural processes and relationships.

204. World Regional Geography (S)
Fall, Winter, Spring. 4(4-0)
Man's relationship with natural and cultural
environments.

206. Physical Geography
Fall, Winter, Spring. 4(4-0)
Analysis of weather, climate, landforms, soils,
water and biotic factors of man's environment,
including their spatial, genetic, and functional
interrelationships.

206L. Physical Geography Laboratory
Fall, Winter, Spring. 1(0-2) GEO 206
Laboratory study of geographic aspects of map
interpretation, aerial photographs, weather,
climate, soils, landforms, and vegetation.