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EAST CAROLINA UNIVERSITY CURRICULUM COMMITTEE
Minutes of November 15, 1990

Members present: Cain, Carlton, Coulter, Grossnickle, Harris, Lapas
Richards, Shea, Topper, Wittman

Members absent: Wease, Wilentz

Corrections and additions to the Minutes of November 8, 1990:

Gay Wilentz asked that members of WAC committee be invited to a Committee meeting for discussion of the Writing Across the Curriculum proposal.

In the Catalog Copy; delete Textile Design from the two columns under BDF DEGREE IN ART and under BA DEGREE IN ART; and add (3) after ECON 4740. Urban and Regional Economics (3) (Formerly ECON 3740).

The minutes were approved as amended.

Minutes of November 15, 1990:

Professors Anderson and Buttery presented the revision of the BS Degree in Elementary Education; revision of ELEM 2123; READ 3204, 3205, 3206; add new courses ELEM 3225, 3250, 3275, 4525, 4575, 4550; bank ELEM 3111, 3203; Delete ELEM 2107, 4341, 4342, 4343, 4344, 4345, 4346, 4347, 4348.

Brian Harris moved that the NEH Report "Tyrannical Machines: A Report on Educational Practices Gone Wrong and Our Best Hopes for Setting Them Right" (Lynne V. Cheney). Washington, D.C.: National Endowment for the Humanities, 1990 (1) be made required reading and study for all education majors/minors at ECU; (2) become the focus of specific discussion and response for the School of Education. The motion was not seconded. Richards moved acceptance of the revised program; Lapas seconded; the motion passed.

Professors Allen, Brinson, and Knight presented a revision of the BS in Biology and BSB in Biochemistry; add BIOL 3070, 3071, 1070, 1071 amended, change 2230, 2231 to 3230, 3231 and 2240, 2241 to 3240, 3241, thereby revising BS LSS; add 4200, 4201, 4300, 4301, 5050, 5350, 5600, 5601, 5680.

It was noted that BIOL 1050, 1051 and 1100, 1200 have the same names: Principles of Biology. Myra Cain recommended renaming BIOL 1050, 1051 to General Biology in order to eliminate confusion. This was agreeable with the Biology Department. Coulter moved acceptance; Richards seconded. The motion passed.

Professor Bassman presented a proposal for a new minor in Ethnic Studies, add ASES 2001, 2002, 2003. Carlton moved acceptance with amendments and with the understanding that a 5000 level course will be presented in the near future. Harris seconded; the motion passed.

Major Gwaltney, Professors Hazari and Gobeski presented revisions of MLSC 1001 to 1001, 1011; 1002 to 1002, 1012; and a request to add ITEC 2000, 2001. Topper moved acceptance, Wittman seconded.

The meeting adjourned at 5:30.

Respectfully submitted,
Martha Lapas
Secretary

CURRICULUM COMMITTEE CATALOG COPY

November 15, 1990

Corrections to the Minutes of November 8, 1990:

Art, pages 183 and 184, delete Textile Design from the 4 columns listed.
Economics, page 88 ECON 4740. Urban and Regional Economics (3) (Formerly
ECON 3740)

Minutes of November 15, 1990

Elementary Education

Page 204, revise BS DEGREE IN ELEMENTARY EDUCATION

Minimum degree requirements is 128 semester hours of credit as follows:

1. General education requirements (see Section 6, The General College REQUIREMENTS FOR BACCALAUREATE DEGREE PROGRAMS) including 4 s.h. in biology and 4 s.h. in chemistry, physics or geology; 3 s.h. literature except children's literature; PSYC 1050; ART 3850; MUSC 3018; GEOG 1000 or 2110; POLS 1010 or ECON 100 or 2113; HIST 1050 or 1051; MATH 2127; 2 s.h. public speaking; ANTH 1000, 2010, 2020 or SOCI 2110; HLTH 1000; PHYE 100046 s.h.
2. Professional studies: ELEM 2123, 4525, 4575; SPED 2000; EDUC 3200, 3272; PSYC 3201, 4305; READ 320428 s.h.
3. Academic concentration: No more than 6 s.h. may be taken as general education requirements.....24 s.h.
4. Specialty area: ELEM 3225, 3250, 3275, 4550; MUSC 3028; HLTH 3244; PHYE 3560; READ 3205, 3206; MATH 3223; SCIE 3216..... 28 s.h.
5. Cognates: MATH 2129; ENGL 4950; HIST 1030 or 1031 or 3100..8 s.h.

Page 212, revise

ELEM 2107. Delete.

ELEM 2123. Early Experience for the Prospective Teacher (1)
An introduction to teaching for prospective teachers. A minimum of 16 clock hours of focused observations and planned participation in appropriate school environments and 8 clock hours of seminar class instruction.

ELEM 3111. Place in curriculum bank.

Page 213, revise

ELEM 3203. Place in curriculum bank.

ELEM 3225. Planning, Instruction, and Evaluation in the Early Childhood and Elementary School (3)
Emphasizes the development of classroom instructional plans with integration of learning and evaluation. Includes selection of teaching strategies. Requires practicum experience.

ELEM 3250: Language Arts in the Early Childhood and Elementary School (4)
Emphasizes theory and practice in the teaching of language arts (listening, speaking, writing, reading) in the elementary grades. Tutorial teaching is required in practicum.

ELEM 3275. Early Childhood and Elementary School Curriculum (3)
Emphasizes the historical, philosophical, sociological, and psychological bases for elementary school curriculum design. Consideration is given to the differentiation of the curriculum to meet the needs of individuals from various cultures and individuals of differing intellectual abilities.

ELEM 4525. Classroom Organization and Management in the Early Childhood and Elementary School (3)
Prerequisites: Admission to Upper Division and ELEM 3225, 3275
An investigation of the roles and responsibilities of the teacher in organizing and managing the elementary classroom. Requires practicum experiences.

ELEM 4341, 4342, 4343 Delete

ELEM 4344, 4345, 4346, 4347, 4348 Delete

ELEM 4550. Social Studies in the Early Childhood and Elementary School (3)
Prerequisites: Minimum of 9 s.h. of social studies content courses; admission to Upper Division; ELEM 3225, 3275
Methods and techniques of teaching social studies in the elementary school. Requires practicum experiences.

ELEM 4575. Observation and Supervised Teaching in the Early Childhood and Elementary Grades (8)
Prerequisites: Admission to Upper Division and ELEM 3225, 3250, 3275, 4525, 4550; READ 3205, 3206
Observation and supervised teaching in assigned elementary (k-6) classroom. Emphasis on teacher as decision-maker. This course also requires a 2-hour seminar one day per week.

Page 215, revise

READ 3204. Fundamentals of reading (3)
Prerequisites: Admission to Upper Division and ELEM 3250
Designed to develop the undergraduate student's knowledge of the total reading program, including word recognition, comprehension, whole language, developmental reading program, and strategies for teaching reading. Requires a practicum.

READ 3205: Diagnostic/Prescriptive Teaching of Reading (3)
Prerequisites: Admission to Upper Division; ELEM 3250; READ 3204
Corequisite: READ 3206
Emphasizes diagnoses of individual student's needs, levels of reading, and design of reading programs on the basis of group and individual prescriptions.

READ 3206: Practicum in Diagnostic/Prescriptive Teaching of Reading (1)
Prerequisites: Admission to Upper Division; ELEM 3250; READ 3204
A practicum experience involving diagnostic/prescriptive instruction in reading in a clinical setting.

Biology
Page 76, revise

BS DEGREE IN BIOLOGY

- 3. Required biology courses: BIOL 1100, 1101, 1200, 1201, 2250, 2251, 3300, plus a minimum of 25 s.h. of biology electives. Recommended areas of concentration are listed below with a minimum of40 s.h.
 - a. Physiology, Anatomy and Cell Biology Area of Concentration. Choose three of the following: BIOL 3220, 3221; 4060, 4061; 5190, 5191; 5450, 5451; 5480, 5481; 5870; plus at least two of the following: BIOL 3310, 3311; 3320, 3321; 4050, 4051; 5630, 5631; 5880, 5881; plus biology electives.
 - b. Ecology/Environmental Biology Area of Concentration. Choose at least one of the following: BIOL 4200, 4201; 4300, 4301. Choose at least one of the following: BIOL 3310, 3311; 3320, 3321. Choose one botany course: BIOL 3070, 3071; 3230, 3231; 5040, 5041; 5230, 5231. Choose one zoology

- course: BIOL 3240, 3241; 5070, 5071; 5150, 5151; 5200, 5201; 5550, 5551; 5640, 5641; plus elective courses in ecology: BIOL 3660; 5050; 5220, 5221; 5260, 5261; 5270; 5351; 5630, 5631; 5730, 5731.
- c. Microbiology Area of Concentration. Required: BIOL 3100, 3101, 3220, 3221, 5190, 5191, 5260, 5261, 5800, 5801, 5810, 5811, 5870, 5880, 5881; plus electives from the following: BIOL 4504, 4514, 5040, 5041, 5890, 5940, 5941.
- d. Molecular Biology/Biotechnology Area of Concentration. Required: BIOL 3100, 3101, 3220, 3221, 3310, 3311, 5800, 5801; 5810, 5811; plus electives from the following: BIOL 4504, 4514, 5190, 5191, 5260, 5261, 5500, 5501, 5870, 5880, 5881, 5890, 5900, 5901, 5930, 5931, 5940, 5941.
- e. Marine Biology Area of Concentration. Required: BIOL 3660, 5200, 5201, 5270, 5550, 5551, 5600, 5601, 5680; COAS 2125; GEOL 1550; plus electives from the following: BIOL 5220, 5221, 5230, 5231, 5351; COAS 5025, 5026; GEOL 5300.
4. Research skills (one of the following):.....9 s.h.
- a. Foreign language, through level 1003

Page 77, revise

- b. Quantitative and Communication Skills: at least one course in scientific writing, recommendation: ENGL 3820 or ITEC 3290, 3291; at least one course in statistical methods, recommendation: MATH 3228; at least one computer course, recommendation: DSCI 2223 or CSCI 2510 or 2600.
- c. Relevant cognate area - courses chosen to meet this requirement must be planned through consultation with a faculty adviser and approved in advance by the departmental chairperson and the departmental director of undergraduate studies.
- d. As recommended for the Microbiology and Molecular Biology/Biotechnology Areas of Concentration: CHEM 1163, 2250, 2251; DSCI 2223 or CSCI 2510 or 2600; BIOL 5850, 5851.
- Students contemplating graduate school should consider admission requirements before selecting a research skills area.
5. Plus electives to complete requirements for graduation.

BSB DEGREE IN BIOCHEMISTRY

3. Required chemistry courses: CHEM 1163, 2250, 2251, 2750, 2751, 2760, 2761, 3950, 3951, 3960, 396126 s.h.
4. Required cognate courses: MATH 1085, 2171, 2172, 2173; PHYS 1251, 1261, 2250, 2260, 2270 28 s.h.
5. Recommended electives: CSCI 2510 or 2600; BIOL 3100, 3101, 3220, 3221, 5500, 5501, 5870, 5900, 5901; MATH 4331 9 s.h.

BIOL 1050. General Biology (3)

BIOL 1051. General Biology Laboratory (1)

BIOL 1070, 1071. General Botany (5,0)

.....with a survey of major plant groups. May not also receive credit for BIOL 3070, 3071.

Page 78, revise

BIOL 3070, 3071. Survey of Plants and Fungi (4,0)

Prerequisites: 3 s.h. of science with a laboratory.

An introductory survey of plants and fungi with emphasis on evolutionary patterns in structure, reproduction, and ecological function. May not also receive credit for BIOL 1070, 1071.

BIOL 2230, 2231 Delete. Replaced by 3230, 3231

BIOL 3230, 3231. Field Botany (4,0) (Formerly BIOL 2230, 2231)

Prerequisites: 3 s.h. of general biology with a laboratory.

An introduction to plant identification and the interactions of plants with their chemical, physical and living environments. Emphasis is on recognition of common vascular elements of the local flora and major plant communities of coastal North Carolina.

BIOL 2240, 2241 Delete. Replaced by 3240, 3241.

BIOL 3240, 3241. Field Zoology (4,0) (Formerly BIOL 2240, 2241). Prerequisites: BIOL 1060 or 2250.

An introduction to methods and principles in zoological field study. Focuses mainly on local North Carolina vertebrate fauna.

Page 79, add

BIOL 4200, 4201. Population and Community Ecology (4,0)

Prerequisites: BIOL 2250, 2251, 3300; CHEM 1160, 1161; MATH 2121 and a statistics course.

Introduction to the way populations and communities are organized. Emphasis is on interactions among organisms and their environments and how these structure populations and communities.

BIOL 4300, 4301. Ecosystem Ecology (4,0)

Prerequisites: BIOL 2250, 2251

An indepth examination of ecosystem processes including primary production, decomposition, and nutrient cycling as they are influenced by biotic and environmental controls in terrestrial, aquatic, and wetland ecosystems.

BIOL 5050. Applied Ecology (3)

Prerequisites: BIOL 2250, 2251

An overview of applying ecological principles to ecosystem management, restoration of waters and derelict lands, and environmental law and policy.

BIOL 5370. Biological Effects of Radiation (2)

Prerequisites: BIOL 1050, 1051 or 1100, 1101 and 1200, 1201; PHYS 2600, 2601 (or permission of instructor)

A survey of the biological effects resulting from the interactions of energy and matter for science and other technically-oriented students. Same as RONC 5300.

Page 80, add

BIOL 5600, 5601. Fisheries Techniques (3,0)

Prerequisites: BIOL 2250, 2251 or equivalent.

Two lectures and one three-hour laboratory or field excursion per week. Practical training in field and laboratory experimental methods in fisheries techniques. Designed primarily for biology majors interested in marine biology. Field trips and field studies are integral parts of the course.

BIOL 5680. Current Topics in Coastal Biology (2)

Prerequisite: Consent of instructor.

A seminar on environmental issues in coastal biology presented by reading, lecture and discussion.

Page 110, revise

3. Resource Management: LSS 3110, 3300, 3301, 3303, 5302; BIOL 1060, 1061, 3230, 3231, 3240, 3241;

Ethnic Studies Program

Page 70, add ETHNIC STUDIES PROGRAM

1. A maximum of 6 s.h. may be used to satisfy general education requirements and requirements for the ethnic studies minor.
2. Required courses for Ethnic Studies Minor24 s.h.
 ASES 2001 or 2002 or 2003; 5000 6 s.h.

3. Electives.....18 s.h.

Electives must be selected from the following list of courses, with at least 12 s.h. from the A list:

- A. ANTH 3005, 3200; FORL 2221, ENGL 3260, 3570, 5230;
HIST 3110, 5760; POLS 3039, 3224; SOCI 4345; WOST 2000
- B. INTL 2003, 2004; ASLA 3000; ENGL 3100, 3300, 3620, 5720;
FREN 2500, 4385; SPAN 2116, 3234, 4234; HIST 2140, 3005,
5005, 5140, 5141, 5210; SOCI 5348; MUSC 2258; SOCW 5007.

No semester hours of course work in the student's major field of study will be accepted for credit toward the minor. Study programs abroad, having the prior approval of the coordinator, will be accepted for no more than 6 s.h. of credit toward the minor. Additional courses beyond those listed above will be accepted if they significantly further the student's understanding of ethnic studies. Departmental prerequisites may be waived in special cases by the department offering the course.

ASES 2001. Introduction to Ethnic Studies: Humanities (3)

A comparative analysis of minority groups in the United States with focus on social, cultural, historic, economic, and political aspects of each group's experience in America. Also explores social and cultural sources of bias and discrimination. These ideas explored through literature and philosophy. This course may be used toward satisfaction of either the requirement of the ASES minor or the humanities requirement for general education. May not also receive credit for ASES 2002 or 2003.

ASES 2002. Introduction to Ethnic Studies: Social Science (3)

A comparative analysis of minority groups in the United States with focus on social, cultural, historic, economic, and political aspects of each group's experience in America. Also explores social and cultural sources of bias and discrimination. These ideas explored through the social sciences. This course may be used toward satisfaction of either the requirement of the ASES minor or the social science requirement for general education. May not also receive credit for ASES 2001 or 2003.

ASES 2003. Introduction to Ethnic Studies: Fine Arts (3)

A comparative analysis of minority groups in the United States with focus on the social, cultural, historic, economic and political aspects of each group's experience in America. Also explores social and cultural sources of bias and discrimination. These ideas explored through visual and performing arts. This course may be used toward satisfaction of either the requirement of the ASES minor or the fine arts requirement for general education. May not also receive credit for ASES 2001 or 2002.

ASES 5000. Ethnic Studies Seminar (3)

Prerequisites: ASES 2001, 2002, or 2003.

An interdisciplinary seminar designed to examine selected topics.

Military Science

Page 236, revise

MSLC 1001, 1011. Introduction to ROTC and the Army (2,0)

Provides a variety of subjects to stimulate student interest and commitment. Training is introductory in scope and includes leadership, written and oral communications, physical fitness, and general military subjects.

MSCL 1002. Delete; replaced by MSLC 1004, 1014.

MSLC 1004, 1014. Basic Soldier Skills (2,0)
Emphasis on early development of leadership and soldier skills.
Training is introductory in scope and includes leadership, written communications, first aid, and general military subjects. Leadership laboratories include drills, physical conditioning, and specialized topics that cannot be adequately covered in classrooms.

Technology

Page 229, revise BS PROFESSIONAL DEGREE IN INDUSTRIAL TECHNOLOGY
4. Required cognate courses: ACCT 2401; FINA 2244; Math 1074, 2283 or 3228; computer-related elective; 3 s.h. from ITEC 2000,2001; DSCI 2223; ASIP 2112....

Page 232, add

ITEC 2000, 2001. Industrial Technology Applications of Computer Systems (3,0)
The technical and managerial aspects of computer applications and information technology in industry and engineering areas.