

**EAST CAROLINA UNIVERSITY CURRICULUM COMMITTEE  
MINUTES OF FEBRUARY 23, 1989**

The Curriculum Committee met Thursday, February 23, 1989, at 1:30 p.m. in Brewster B-103. Members present were Buckler, Carlton, Coulter, Grossnickle, Neal, O'Rear, Shea, Topper, Wilentz, Cain and Hogg. Members absent were Lunney, Yount and Landry.

The minutes of February 9, 1989, were read. A request to change the title "Worksite Health" in the Curriculum for the BS degree in School and Community Health Education to "Worksite Health Promotion" was made. The minutes were approved as amended.

Professor Manolita Buck, Foreign Languages and Literatures, presented a request to replace SPAN 2215 and SPAN 3217; modify FREN, GERM and SPAN 4323. Teaching Second Languages in Grades K-12; add SPAN 2101. Cultural Readings in Spanish; delete FREN, GERM, SPAN 4319; revise BS (teaching) in French, German, and Spanish; revise Middle Grades Education concentration in foreign language. Shea moved to accept as amended contingent on approval by the Teacher Education Council Curriculum Committee; Hogg seconded. The motion passed.

Professors Chuck Ziehr and Leo Zonn, Geography and Planning, presented a request to add GEOG 5067. Geographic Information Systems I, and revise the BA in Geography. Carlton moved to accept, Wilentz seconded. The motion passed.

Professors Bob Bernhardt and Bob Joyner, Mathematics, presented requests to revise MATH 2127 and permit its use for general education; add MATH 3223. Teaching Math in the Elementary Grades K-6; bank MATH 3219, 3220, 3221, 3222. Letters in support of these proposals were presented from Keats Sparrow, English; Wilbur Castellow, Psychology; and Bob Christian for the General College Committee. Topper moved acceptance contingent on approval of the Teacher Education Council Curriculum Committee; Coulter seconded. The motion passed.

Professors Y. J. Lao and Barney Kane, Environmental Health, presented the following requests: delete EHLT 2100; add EHLT 2110. Introduction to Environmental Health Science; change hours and prerequisites for EHLT 3350; change prerequisites for EHLT 3351; add EHLT 3370. On-Site Wastewater Treatment and Disposal, EHLT 3371, On-Site Wastewater Treatment Laboratory; delete EHLT 3360, 3361; change prerequisites for EHLT 3700; change title and prerequisites for EHLT 3800; delete EHLT 3801; change title and prerequisites for EHLT 4300; add EHLT 4301. Institutional, Recreational Sanitation, and Vectorborne Diseases Laboratory; add EHLT 5001. Seminar in Environmental Health and EHLT 5020. Environmental Toxicology; delete EHLT 5150, 5151; revise BS in Environmental Health; add new minor in Environmental Health. O'Rear moved to accept as amended, Buckler seconded. The motion passed.

The meeting was adjourned at 3:20 p.m.

Respectfully submitted,

Donald Neal, Secretary

CURRICULUM CATALOGUE COPY  
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**Foreign Languages and Literatures**

**Page 90, Add:**

**SPAN 2101. Cultural Readings in Spanish (3)**

Prerequisites: SPAN 1004 or permission of instructor.

Continued practice of language skills with special emphasis on cultural readings in Spanish. Conducted in Spanish.

**Page 91, Delete SPAN 2215, Add:**

**SPAN 3217. Spanish Phonetics and the Structure of Language(3) (formerly SPAN 2215)**

Prerequisites: SPAN 2103, 2108, or consent of department chairperson.

The physiology of Spanish phonetics. The place of phonetics in the structure of language: phonology, morphology and syntax. Prepares the student to understand the contrastive structures of Spanish and English.

**Page 88, Delete FREN 4319 and Replace FREN 4323 With:**

**FREN 4323. Teaching Second Languages in Grades K-12 (5)**

Five lectures per week and 10 hours laboratory per semester.

Prerequisites: 18 semester hours of French above 1004 level or consent of instructor.

Modern methodologies, techniques and strategies, instructional resources, and evaluation procedures for teaching second languages in grades K-12. Includes 10 hours of field experience. May not be counted toward a major or minor for the BA or BS Professional degree in French.

**Page 90, Delete GERM 4319 and Replace GERM 4323 with:**

**GERM 4323. Teaching Second Languages in Grades K-12 (5)**

Five lectures per week and 10 hours laboratory per semester.

Prerequisites: 18 semester hours of German above 1004 level or consent of instructor.

Modern methodologies, techniques and strategies, instructional resources, and evaluation procedures for teaching second languages in grades K-12. Includes 10 hours of field experience. May not be counted toward a major or minor for the BA or BS Professional degree in German.

**Page 91, Delete SPAN 4319 and Replace SPAN 4323 with:**

**SPAN 4323. Teaching Second Languages in Grades K-12 (5)**

Five lectures per week and 10 hours laboratory per semester.

Prerequisites: 18 semester hours of Spanish above 1004 level or consent of instructor.

Modern methodologies, techniques and strategies, instructional resources, and evaluation procedures for teaching second languages in grades K-12. Includes 10 hours of field experience. May not be counted toward a major or minor for the BA or BS Professional degree in Spanish.

**Page 86, Under BS Curricula for Preparation of Teachers Add: K-12 Certification**

**Under French Major, Change:**

3. Professional credits: READ 3990, PSYC 2240, 3201, 4305; EDUC 3200, 3271; SPED 2000; ELEM 2107; FREN 2123, 4323, 4324.....33 s.h.

**Under German Major, Change:**

3. Professional credits: READ 3990; PSYC 2240, 3201, 4305; EDUC 3200, 3271; SPED 2000; ELEM 2107; GERM 2123, 4323, 4324.....33 s.h.

**Under Spanish Major, Change:**

2. Required Spanish courses: SPAN 2101, 2103, 2108, 2115, 2116, 3216, 3217,  
Plus 9 s.h. from the following: SPAN 3231, 3232, 3233, 3234, Plus 6 s.h. of  
electives above 2999.....36 s.h.
3. Professional credits: READ 3990; PSYC 2240, 3201, 4305; EDUC 3200, 3271;  
SPED 2000; ELEM 2107; SPAN 2123, 4323, 4324.....33 s.h.

**Page 190, First Column, Under Area Studies, Replace:**

Foreign Language: one of the following groups: SPAN 1003, 1004, 2103, 2108, 2115  
or 2116, 3215, 4323; or GERM 1003, 1004, 2100, 2120, 2200, 3300, 4323; or FREN  
1003, 1004, 2103, 2108, 2215 or 2216, 3215, 4323.....21-23 s.h.

**Geography and Planning****Page 96, Add:****GEOG 5067. Geographic Information Systems I (3)**

Recommended prerequisites: GEOG 3440 or one computer-related course  
Geographic Information Systems are computer-based, decision-support systems  
involving the integration of spatially-referenced data in a problem-solving  
context. Overviews the concepts and application of GIS including data  
capture, storage, analysis, and display.

**Page 93, Column Two, Under 4. Techniques, Add: 5067**

**Mathematics****Page 122, Modify:****MATH 2127. Concepts of Mathematics (3)**

Prerequisite: Appropriate score on MATH pre-test.  
The system of real numbers and subsystems and their properties from an  
algebraic viewpoint. Statistics and number theory are also introduced.  
Credit for this course may not be counted toward a major or minor in  
mathematics or computer science for the BA or BS degree.

**Add:****MATH 3223. Teaching Mathematics in the Elementary Grades K-6 (3)**

Two lectures and two laboratory hours per week.  
Prerequisites: MATH 2127, 2129  
Teaches pre-service elementary teachers appropriate techniques and methods  
for teaching mathematics to students in grades K-6. Laboratory work provides  
deeper understanding of mathematical concepts and experience with materials  
and methods appropriate for classroom work.

**Page 54, Under General Education Requirements, Modify:****Mathematics**

Three hours of mathematics at least equivalent to MATH 1065 or MATH 2127, or  
three hours of logic at least equivalent to PHIL 1500.....3 s.h.

**Environmental Health****Page 162, Delete:****EHLT 2100. Introduction to Environmental Health****Page 163, Delete:****EHLT 3360. Water Supply and Wastewater Treatment****EHLT 3361. Water Supply and Wastewater Treatment Laboratory II****EHLT 3800, 3801. Solid Waste Management and Vector Control and Laboratory****EHLT 5150, 5151. Analytical Toxicology and Laboratory**

**Page 162, Add:**

**EHLT 2110. Introduction to Environmental Health Science (3) (formerly EHLT 2100)**  
 An introductory course designed to acquaint the student with the principles of environmental health practices. Areas of major emphasis are water quality, air quality, food supply, industrial hygiene, and solid and hazardous waste disposal.

**Page 163, Modify:**

**EHLT 3350. Water Supply and Wastewater Treatment (4)**  
 Prerequisites: BIOL 2110, 2111; CHEM 1160, 1161.  
 Corequisite: EHLT 3351  
 An introduction to principles of water supply and wastewater treatment technology.

**EHLT 3351. Water Supply and Wastewater Treatment Laboratory (1)**

Three hours laboratory per week.  
 Prerequisites: BIOL 2110, 2111; CHEM 1160, 1161  
 Corequisite: EHLT 3350  
 Laboratory to accompany EHLT 3350.

**Add:**

**EHLT 3370. On-Site Wastewater Treatment and Disposal (3) (formerly EHLT 3360)**  
 Prerequisites: EHLT 3350, 3351  
 Corequisites: EHLT 3371  
 Applications of wastewater treatment and disposal technology in areas where centralized systems are not feasible. The course includes site evaluation, design, construction practices, and regulation of on-site systems.

**EHLT 3371. On-Site Wastewater Laboratory (1) (formerly EHLT 3361)**

Three hours laboratory per week.  
 Prerequisites: EHLT 3350, 3351  
 Corequisite: EHLT 3370  
 Laboratory and field techniques for on-site wastewater treatment.

**Modify:**

**EHLT 3700. Industrial Hygiene (3)**  
 Prerequisites: CHEM 1160, 1161; BIOL 2130  
 Corequisite: EHLT 3701  
 A course designed to familiarize the student with health problems encountered in business, industrial, and other work places. Special emphasis is placed on the recognition and evaluation of occupational stresses and ways to prevent disease.

**Add:**

**EHLT 3800. Solid and Hazardous Waste Management (3)**  
 Prerequisite: Consent of departmental advisor.  
 An exploration of the problems associated with the collection, treatment, and disposal of solid and hazardous wastes in the U.S. The study of the development of federal and state legislation and regulations for solid and hazardous waste management. Current technologies for solving waste management problems.

**Modify:**

**EHLT 4300. Institutional, Recreational Sanitation, and Vectorborne Diseases (3)**  
 Prerequisites: EHLT 2110, 3003, 3100, 3200, 3201, 3350, 3351, 3370, 3371, or consent of instructor.  
 Corequisite: EHLT 4301  
 Environmental health practices in institutions including safety, infection control, and infectious waste disposal. Health and safety hazards at

recreational facilities including swimming pools, campgrounds and public parks, and vectors and vectorborne diseases in the United States.

**Add:**

**EHLT 4301. Institutional, Recreational Sanitation, and Vectorborne Diseases Laboratory (1)**

Three hours laboratory per week.

Prerequisites: EHLT 2110, 3003, 3100, 3200, 3201, 3350, 3351, 3370, 3371, or consent of instructor.

Corequisite: EHLT 4300

Laboratory and field identification of vectors of public health importance.

On-site inspections of institutional and recreational facilities.

**EHLT 5001. Seminar in Environmental Health (1)**

Student, staff, and guest speakers on current research.

**EHLT 5020. Environmental Toxicology (3)**

Prerequisites: EHLT 5010, 5011, or consent of instructor.

This course will examine the effect of anthropogenic and naturally occurring toxins on the environment. Toxin sources, distribution, and bioaccumulation will be discussed. Specific areas to be covered are pesticides, metals, solvents, radioactive isotopes, food additives, air pollutants, and natural plant/animal toxins.

**Page 156, Modify Requirements for the B.S. Degree in Environmental Health:**

**A. Public Health Option**

Minimum degree requirement is 126 s.h. of credit as follows:

1. General education requirements (see Section 6, The General College: REQUIREMENTS FOR BACCALAUREATE DEGREE PROGRAMS) including MATH 1065; CHEM 1150, 1151, 1160, 1161; PSYC 1050; SOCI 2110, GEOG 4200, SPCH 2080.....44 s.h.
2. Required cognates: BIOL 1050, 1051, 2110, 2111, 2130; MATH 3228; PHYS 1250, 1251; ITEC 3290, 3291, DSCI 2223, HPRO 4350.....27 s.h.
3. Environmental health courses: EHLT 2110, 2500, 3003, 3100, 3200, 3201, 3350, 3351, 3370, 3371, 3600, 3700, 3701, 3800, 4200, 4300, 4301, 5010, 5011..45 s.h.
4. Electives to complete requirements for graduation.

**B. Industrial Hygiene Option**

Minimum degree requirement is 126 s.h. of credit as follows:

1. General education requirements (see Section 6, The General College: REQUIREMENTS FOR BACCALAUREATE DEGREE PROGRAMS) including PSYC 1050; SOCI 2110; MATH 1065; CHEM 1150, 1151, 1160, 1161, SPCH 2080.....44 s.h.
2. Required cognates: BIOL 1050, 1051, 2110, 2111, 2130; MATH 1074, 2119, 3228; PHYS 1250, 1251, 1260, 1261; CHEM 2650, 2651, ITEC 3290, 3291, DSCI 2223, HPRO 4350.....40 s.h.
3. Environmental health courses: EHLT 2110, 2500, 3003, 3100, 3350, 3351, 3361, 3600, 3700, 3701, 3800, 3900, 4200, 5010, 5011.....36 s.h.
4. Electives to complete requirements for graduation.

**Page 158, Add: Environmental Health Minor**

Select 24 s.h. of EHLT courses from EHLT 2110; 2500, 3003; 3100; 3200, 3201; 3350, 3351; 3370, 3371; 3600, 3700, 3701; 3800; 3900; 4300, 4301; 5010, 5011.