

## FACULTY SENATE

There will be a meeting of the Faculty Senate on Tuesday, December 14, 1971, at 3:00 P.M. in Room 102B Social Science Building.

### AGENDA

1. Call to Order
2. Approval of the Minutes
3. Special Order of the Day
4. Unfinished Business
5. Report of Committees
  - A. Admission Committee
  - B. Recruitment Committee
  - C. Calendar Committee - 1972-1973 Quarter Calendar (See attached)
  - D. Committee on Committees
  - E. Curriculum Committee (See attached)
  - F. Faculty Affairs Committee
  - G. Faculty Welfare - Faculty Parking Fee
6. New Business

UNIVERSITY CALENDAR, 1972-1973

SPRING QUARTER, 1972

April 17 - April 21

Preregistration for Summer Session and  
Fall Quarter

SUMMER, 1972

First Term

May 8, Monday

Last day for persons holding bachelor's  
degree to apply for admission to Graduate  
School for First Term

June 5, Monday

Registration

June 6, Tuesday

Classes begin

June 8, Thursday

Last day to register, apply for graduation  
in July, or withdraw from school without  
receiving failing grades

June 10, Saturday

Classes held for all 3-quarter-hour courses

June 24, Saturday

Classes held for all 3-quarter-hour courses

July 11, Tuesday

Examinations -- End of Term

Second Term

June 14, Tuesday

Last day for persons holding a bachelor's  
degree to apply for admission to Graduate  
School for Second Term

July 13, Thursday

Registration

July 14, Friday

Classes begin

July 15, Saturday

Classes held for all 3-quarter-hour courses

July 18, Tuesday

Last day to register, apply for graduation  
in August, or withdraw from school without  
receiving failing grades

July 22, Saturday

Classes held for all 3-quarter-hour courses

August 18, Friday

Examinations -- End of Term

FALL QUARTER, 1972

August 8, Tuesday

Last day for persons holding a bachelor's  
degree to apply for admission to Graduate  
School for Fall Quarter

September 5, Tuesday

9:00 a.m. Faculty meeting  
10:00 a.m. School and Departmental meetings

September 6, Wednesday	Registration
September 7, Thursday	Classes begin
September 13, Wednesday	Last day to register, apply for graduation in November, or withdraw from school without receiving failing grades
October 2 - October 13	Change of major
October 9 - October 13	Preregistration for Winter Quarter
November 15, Wednesday	Classes end
November 16, Thursday	Reading day
November 17, Friday	Examinations begin
November 22, Wednesday	3:00 p.m. Examinations for Fall Quarter close

EXAMINATION SCHEDULE

There will be no departure from the printed schedule, except as noted below. All examinations for one- and two-hour courses and for evening and Saturday classes will be held during the last regular meeting of the class. Final examinations for three-hour courses which meet less than three times per week will be held during the last regular meeting of the class.

Common examinations will be held according to the following schedule:

Three-hour examinations in Accounting 140, 141, 254, and 255 will be given on Saturday, November 18, from 9:00-12:00 a.m. and from 2:00-5:00 p.m. Students will be notified at which time the examination in each course is scheduled.

French, Spanish, German 1, and French 3 . . . . .	Friday, November 17, 7:00-9:00 p.m.
French, Spanish, German 2, and Spanish 3 . . . . .	Monday, November 20, 7:00-9:00 p.m.
Geography 15 . . . . .	Saturday, November 18, 12:00-2:00 p.m.
Chemistry 23, 25, 26 34, 35, 36 64, 65, 66	Saturday, November 18, 8:00-10:00 a.m.
Swimming proficiency test. . . . .	Friday, November 17, 2:00-4:00 p.m. Monday, November 20, 2:00-4:00 p.m.

Other examinations, except for certain English classes, will be held on FRIDAY, NOVEMBER 17; MONDAY, NOVEMBER 20; TUESDAY, NOVEMBER 21; and WEDNESDAY, NOVEMBER 22 as follows:

Time Classes Regularly Meet	Day and Time of Examination
8:00 . . . . .	3:00- 5:00 Monday, November 20
9:00 . . . . .	8:00-10:00 Tuesday, November 21
10:00 . . . . .	11:00- 1:00 Wednesday, November 22
11:00 . . . . .	11:00- 1:00 Tuesday, November 21
12:00 . . . . .	8:00-10:00 Friday, November 17
1:00 . . . . .	11:00- 1:00 Monday, November 20
2:00 . . . . .	3:00- 5:00 Tuesday, November 21
3:00 . . . . .	8:00-10:00 Wednesday, November 22
4:00 . . . . .	11:00- 1:00 Friday, November 17

Exception: to avoid conflicts, certain English classes must hold their final examinations according to the following schedule:

Classes meeting M-T-Th -- examination held in the Monday classroom, M-W\_Th -- held in the Monday Wednesday classroom.

Time Excepted English Classes Regularly Meet	Day and Time of Examination
8:00 . . . . .	8:00-10:00 Monday, November 20
9:00 . . . . .	1:00- 3:00 Tuesday, November 21
10:00 . . . . .	1:00- 3:00 Wednesday, November 22
11:00 . . . . .	5:00- 7:00 Tuesday, November 21
12:00 . . . . .	1:00- 3:00 Friday, November 17
1:00 . . . . .	1:00- 3:00 Monday, November 20
2:00 . . . . .	5:00- 7:00 Monday, November 20
3:00 . . . . .	5:00- 7:00 Friday, November 17
4:00 . . . . .	3:00- 5:00 Friday, November 17

WINTER QUARTER, 1972-1973

October 30, Monday	Last day for persons holding a bachelor's degree to apply for admission to Graduate School for Winter Quarter
November 27, Monday	Registration
November 28, Tuesday	Classes begin
December 4, Monday	Last day to register, apply for graduation in February, or withdraw from school without receiving failing grades
December 15, Friday	10:00 p.m. Christmas Holidays begin
January 3, Wednesday	Classes resume
January 3 - January 12	Change of major
January 8 - January 12	Preregistration for Spring Quarter

February 21, Wednesday	Classes end
February 22, Thursday	Reading day
February 23, Friday	Examinations begin
February 28, Wednesday	3:00 p.m. Examinations for Winter Quarter close

EXAMINATION SCHEDULE

There will be no departure from the printed schedule, except as noted below. All examinations for one- and two-hour courses and for evening and Saturday classes will be held during the last regular meeting of the class. Final examinations for three-hour courses which meet less than three times per week will be held during the last regular meeting of the class.

Common examinations will be held according to the following schedule:

Three-hour examinations in Accounting 140, 141, 254, and 255 will be given on Saturday, February 24, from 9:00-12:00 a.m. and from 2:00-5:00 p.m. Students will be notified at which time the examination in each course is scheduled.

French, Spanish, German 1,  
and French 3 . . . . . Friday, February 23, 7:00-9:00 p.m.

French, Spanish, German 2,  
and Spanish 3 . . . . . Monday, February 26, 7:00-9:00 p.m.

Geography 15 . . . . . Saturday, February 24, 10:00-12:00 a.m.

Chemistry 24, 25, 26  
34, 35, 36  
64, 65, 66 . . . . . Saturday, February 24, 8:00-10:00 a.m.

Swimming proficiency test . . . . . Friday, February 23, 2:00-4:00 p.m.  
Monday, February 26, 2:00-4:00 p.m.

Other examinations, except for certain English classes, will be held on FRIDAY, FEBRUARY 23; MONDAY, FEBRUARY 26; TUESDAY, FEBRUARY 27; and WEDNESDAY, FEBRUARY 28, as follows:

Time Classes Regularly Meet	Day and Time of Examination
8:00. . . . .	.11:00- 1:00 Tuesday, February 27
9:00. . . . .	. 8:00-10:00 Friday, February 23
10:00. . . . .	.11:00- 1:00 Monday, February 26
11:00. . . . .	. 3:00- 5:00 Tuesday, February 27
12:00. . . . .	. 8:00-10:00 Wednesday, February 28
1:00. . . . .	.11:00- 1:00 Friday, February 23
2:00. . . . .	. 3:00- 5:00 Monday, February 26
3:00. . . . .	. 8:00-10:00 Tuesday, February 27
4:00. . . . .	.11:00- 1:00 Wednesday, February 28

Exception: to avoid conflicts, certain English classes must hold their final examinations according to the following schedule:

Classes meeting M-T-Th -- examination held in the Monday classroom, M-T-Th -- held in the Monday Wednesday classroom.

Time Excepted English Classes Regularly Meet	Day and Time of Examination
8:00 . . . . .	1:00- 3:00 Tuesday, February 27
9:00 . . . . .	1:00- 3:00 Friday, February 23
10:00 . . . . .	8:00-10:00 Monday, February 26
11:00 . . . . .	5:00- 7:00 Tuesday, February 27
12:00 . . . . .	1:00- 3:00 Wednesday, February 28
1:00 . . . . .	3:00- 5:00 Friday, February 23
2:00 . . . . .	1:00- 3:00 Monday, February 26
3:00 . . . . .	5:00- 7:00 Monday, February 26
4:00 . . . . .	5:00- 7:00 Friday, February 23

SPRING QUARTER, 1973

February 5, Monday	Last day for persons holding a bachelor's degree to apply for admission to Graduate School for Spring Quarter
March 5, Monday	Registration
March 6, Tuesday	Classes begin
March 12, Monday	Last day to register, apply for graduation in May, or withdraw from school without receiving failing grades
April 2 - April 13	Change of major
April 9 - April 13	Preregistration for Summer Session and Fall Quarter
April 19, Thursday	10:00 p.m. Spring Holidays begin
April 25, Wednesday	Classes resume
May 17, Thursday	Classes end
May 18, Friday	Reading day
May 21, Monday	Examinations begin
May 24, Thursday	1:00 p.m. Examinations for Spring Quarter close
May 27, Sunday	Commencement

EXAMINATION SCHEDULE

There will be no departure from the printed schedule, except as noted below. All examinations for one- and two-hour courses and for evening and Saturday classes

will be held during the last regular meeting of the class. Final examinations for three-hour courses which meet less than three times per week will be held during the last regular meeting of the class.

Common examinations will be held according to the following schedule:

Three-hour examinations in Accounting 140, 141, 254, and 255 will be given on Saturday, May 19, from 9:00-12:00 a.m. and from 2:00-5:00 p.m. Students will be notified at which time the examination in each course is scheduled.

French, Spanish, German 1  
and French 3 . . . . . Monday, May 21, 7:00-9:00 p.m.

French, Spanish, German 2,  
and Spanish 3 . . . . . Tuesday, May 22, 7:00-9:00 p.m.

Geography 15. . . . . Saturday, May 19, 10:--12:00 a.m.

Chemistry 24, 25, 26  
34, 35, 36  
64, 65, 66 . . . . . Saturday, May 19, 8:00-10:00 a.m.

Swimming proficiency test . . . . . Monday, May 21, 2:00-4:00 p.m.  
Tuesday, May 22, 2:00-4:00 p.m.

Other examinations, except for certain English classes, will be held on MONDAY, MAY 21; TUESDAY, MAY 22; WEDNESDAY, May 23; THURSDAY, MAY 24 as follows:

Time Classes Regularly Meet	Day and Time of Examination
8:00 . . . . .	11:00- 1:00 Wednesday, May 23
9:00 . . . . .	11:00- 1:00 Thursday, May 24
10:00 . . . . .	8:00-10:00 Monday, May 21
11:00 . . . . .	11:00- 1:00 Tuesday, May 22
12:00 . . . . .	3:00- 5:00 Wednesday, May 23
1:00 . . . . .	8:00-10:00 Thursday, May 24
2:00 . . . . .	11:00- 1:00 Monday, May 21
3:00 . . . . .	3:00- 5:00 Tuesday, May 22
4:00 . . . . .	8:00-10:00 Wednesday, May 23

Exception: to avoid conflicts, certain English classes must hold their final examinations according to the following schedule:

Classes meeting M-T-Th -- examination held in the Monday classroom, M-W-Th -- examination held in the Monday Wednesday classroom.

Time Excepted English Classes Regularly Meet	Day and Time of Examination
8:00 . . . . .	1:00- 3:00 Wednesday, May 23
9:00 . . . . .	1:00- 3:00 Thursday, May 23
10:00 . . . . .	1:00- 3:00 Monday, May 21
11:00 . . . . .	8:00-10:00 Tuesday, May 22
12:00 . . . . .	5:00- 7:00 Wednesday, May 23
1:00 . . . . .	1:00- 3:00 Tuesday, May 22
2:00 . . . . .	3:00- 5:00 Monday, May 21
3:00 . . . . .	5:00- 7:00 Tuesday, May 22
4:00 . . . . .	5:00- 7:00 Monday, May 21

## SUMMER, 1973

First Term

May 7, Monday	Last day for persons holding a bachelor's degree to apply for admission to Graduate School for First Term
June 4, Monday	Registration
June 5, Tuesday	Classes begin
June 7, Thursday	Last day to register, apply for graduation in July, or withdraw from school without receiving failing grades
June 9, Saturday	Classes held for all 3-quarter-hour courses
June 23, Saturday	Classes held for all 3-quarter-hour courses
July 10, Tuesday	Examinations -- End of Term

Second Term

June 13, Wednesday	Last day for persons holding a bachelor's degree to apply for admission to Graduate School for Second Term
July 12, Thursday	Registration
July 13, Friday	Classes begin
July 14, Saturday	Classes held for all 3-quarter-hour courses
July 17, Tuesday	Last day to register, apply for graduation in August, or withdraw from school without receiving failing grades
July 28, Saturday	Classes held for all 3-quarter-hour courses
August 17, Friday	Examinations -- End of Term



## PROPOSAL FOR PROGRAM OF ENVIRONMENTAL HEALTH

This proposal is submitted by the School of Allied Health and Social Professions for the establishment of a program for the study of environmental health leading to a Bachelor of Science degree in Environmental Health.

Today the needs for environmental health services are complex because of changes brought about by economic and technological advances. The need for a healthful environment is common to all people and to all communities. There is an increasing need for an emphasis on professional personnel in the field of environmental health. The many problems brought about by economic and technological advances require a comprehensively trained specialist in environmental health. There is a critical shortage of environmental health personnel throughout the United States.

An environmentalist (sanitarian) is a specialist in the control of environment for better health. He is an advocator and applier of principles for the purpose of controlling hazardous elements in the environment. He is an organizer of economic and social forces for providing and maintaining a safe and sanitary environment for the betterment of mankind. Professional environmentalists will have an important contribution to make in the next decade and beyond. The basic tasks for those obtaining the Bachelor of Science in Environmental Health degree and working in the field as an environmentalist are as follows:

1. Inspect and evaluate physical facilities, equipment and procedures and quality control in abattoirs, food handling establishments, milk processing plants, water treatment systems, sewage and refuse disposal systems. Provide evaluation and consultation regarding maintenance of equipment and systems.
2. Take samples of water, air, food, etc. for laboratory examination.
3. Perform prescribed evaluative procedures relating to water quality, presence of bactericidal chemicals, presence of specific air pollutants, presence of specific adulterants.
4. Consult with other professions, industry and others regarding environmental health hazards, regulations, etc.
5. Develop educational and informational materials and presentations for the public and for specific audiences with environmental health concerns.
6. Serve as a member of the community health team in decision making, problem solving and comprehensive health planning.

Some of the specific knowledge and skills which the trainee must acquire are:

7. An understanding of "health" in the comprehensive sense of emotional, physical, and social well being.
8. An understanding of the genesis and maintenance of personal health.

9. A working knowledge of the principles and procedures in epidemiology.
10. A knowledge of the role of insect and rodent vectors in the spread of disease.
11. A working knowledge of accepted insect and rodent control procedures.
12. A working knowledge of human parasitism.
13. An understanding of the role of laboratory personnel in the control of communicable diseases, the examination of food and water samples, and the identification of parasitic organisms.
14. A working knowledge of community health organization and the legal basis for public health programs.
15. Communications skills and the ability to work in inter-disciplinary team settings.
16. Skills and knowledge in mathematics, physics, and graphics will be needed to utilize the appropriate formula and develop solutions to common environmental problems; e.g., portray graphically a proposed water system and prescribe the quantity of a chlorine solution required to sanitize the system prior to use.

Justification for Establishment of a  
Department of Environmental Health Within  
The School of Allied Health and Social Professions

The rules and regulations of the North Carolina State Board of Health require that certain inspections and sanitary surveillance be carried out, either by the State Board of Health or local health department personnel. These required activities relate to the inspection and approval of water supplies, dairy farm production, milk processing, facilities and procedures in food handling establishments, construction and maintenance of public schools and hospitals, private and public sewage systems, construction and operation of slaughter houses, meat markets, etc.; insect and rodent control, general surveillance of garbage and refuse disposal, and, increasingly, surveillance relating to air and stream pollution.

In North Carolina, as in other states, there exists a great need for comprehensively trained environmentalists. At the present time, there is not one active professional curriculum in the state of North Carolina which addresses itself specifically to the training of bachelors level sanitarians or environmental specialists. The School of Public Health, University of North Carolina at Chapel Hill, has dealt primarily with masters and doctoral programs with specialities in environmental health. The University of North Carolina has no undergraduate bachelor degree area in environmental health.

It is projected that by 1980 there will be a need in this country for 537,000 environmental health workers with a predicted number of 397,000 available. Thus, a deficit of 139,000 environmentalists remains.

The program and department proposed herein can be expected to provide professional personnel to meet the annual demand by health departments in this state. It would lay the ground work for an expanded annual output once the

program is fully accredited and some reputation is established. An expanded program could begin to help meet the needs in neighboring states and help supply well-founded prospects for advanced programs at the University of North Carolina and other comparable graduate schools.

#### Catalogue Description

The Department of Environmental Health operates within the philosophy and general framework of the University.

The many problems brought about by economic and technological advances require a comprehensively trained specialist in environmental health. There is a critical shortage of environmental health personnel throughout the United States.

The purpose of the Department of Environmental Health is to provide educational experiences that will enable the graduate to enter the profession with the knowledge, skill, and potential to become a confident, professional sanitarian as a result of further experiences. As a result of this knowledge, skill, and potential to become a competent professional sanitarian, the time consuming task of training environmentalists in the local health departments will be minimized.

#### General Requirements

All students seeking the Bachelor of Science in Environmental Health must complete the general education requirements of the University and the requirements of the School of Allied Health and Social Professions.

Requirements for Students Majoring in Environmental Health

A student must be registered with the Department of Environmental Health. A minimum of twenty-nine quarter hours of classroom work in the designated environmental health courses is required.

REQUIREMENTS FOR THE B.S. DEGREE  
IN  
ENVIRONMENTAL HEALTH

1. General education requirements (See 6. The General College: Requirements for Baccalaureate Degree Programs) ..... 66 q.h.
2. Required cognates: Biology \*70, \*71, \*95, 110, 121, 122, 123; Psychology \*50; Sociology \*110; Math \*65, 228; Physics \*5; Chemistry 34, 35, 36; Health Course 125; Nutrition 105.. . . . 40 q.h.  
(Courses with asterisks are included in general education requirements).
3. Health Professional core courses: HP 200, 300, 305, 334 ..... 12 q.h.
4. Environmental Health Courses ..... (29 q.h.)
  - EHLT 210 Introduction to Environmental Health ..... 3
  - EHLT 220 Water Supplies and Waste Water Treatment ..... 3
  - EHLT 222 Sanitary Analysis ..... 3
  - EHLT 230 Introduction to Air and Water Pollution ..... 4
  - EHLT 233 Occupational Health ..... 3
  - EHLT 310 Planning Environmental Health Program ..... 3
  - EHLT 320 Principles of Epidemiology ..... 3
  - EHLT 330 Food Sanitation Principles ..... 4
  - EHLT 333 Accident Prevention ..... 3
5. Electives ..... (52 q.h.)  
Each student may elect hours from areas that may strengthen his total program.

CATALOGUE DESCRIPTIONS - COURSE OFFERINGS - ENVIRONMENTAL HEALTH

210. Introduction to Environmental Health (3)  
Prerequisite: None

Lectures and discussions designed to acquaint the student with the major areas of environmental health and areas of the environment that come under the influence of the sanitarian. A general knowledge of the origin and progress of the environmental health field is included, with emphasis on the role of the sanitarian.

220. Water Supplies and Waste Water Treatment (3)  
Prerequisites: Biology 110, Chemistry 34, 35, 36 or Departmental Sanction

An introduction to water and waste water treatment, municipal, semi-private, and individual systems, with a review of sources, chemical and bacteriological quality, and water pollution.

222. Sanitary Analysis (4)  
Prerequisites: Biology 110, Chemistry 34, 35, 36 and Environmental Health 220

A survey course designed to provide training and biological examination and chemical analysis to waste water, water, food, air, and toxic materials. Experience in the use of laboratory instruments as well as field test kits will be gained.

230. Introduction to Air and Water Pollution (4)  
Prerequisite: Environmental Health 220

A study of the causes, effects, and control methods of air and water pollution. Emphasis is placed on ways individuals, communities, metropolitan areas, and industry can prevent or control pollution.

233. Occupational Health (3)  
Prerequisites: Biology 121, 122, 123; Health 125

A course designed to familiarize the student with health problems encountered in businesses and industry. Special emphasis is placed on the causes of occupational diseases and ways to prevent diseases. Introduction to types of radiation, with emphasis on controlling the amount of radiation a person receives.

310. Planning Environmental Health Programs (3)  
Prerequisite: Limited to environmental health majors.

This course is designed to introduce the student to the processes involved in planning, facilitation, execution, evaluation, and control of environmental health services.

320. Principles of Epidemiology (3)  
Prerequisites: Environmental Health 222 or Departmental Sanction

This course is an introduction to principles of epidemiology and their application to the investigation and measures for the control and prevention of disease.

330. Food Sanitation Principles (3)  
Prerequisites: Environmental Health 222, 320

A study of food composition, engineering principles, processing and preservation methods, food-borne diseases, and food regulatory programs.

333. Accident Prevention (3)  
Prerequisite: Environmental Health 233 or Departmental Sanction

A study of environmental and human factors related to accidents. Emphasis is placed on school, home, recreational, industrial, and traffic safety and programs of accident prevention.