



**Louisiana State University
Health Sciences Center
School of Public Health**

LOUISIANA STATE UNIVERSITY HEALTH SCIENCES CENTER SCHOOL of PUBLIC HEALTH



ELIZABETH T.H. FONTHAM, MPH, Dr.P.H., DEAN

Appointed to the Deanship:
May 1, 2004

Appointed to the Health Sciences Center Faculty:
April 1, 1980

Telephone Number: (504) 599-1396

Faculty Academic Rank:
Professor and Dean, School of Public Health
Professor, School of Medicine Department of Pathology

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ADMINISTRATION

ELIZABETH T.H. FONTHAM, MPH, Dr.P.H.
Dean

VIVIEN W. CHEN, MPH, Ph.D.
Acting Academic Program Director
Epidemiology

JAMES H. DIAZ, M.D., MHA, Dr.P.H., MPH&TM
Academic Program Director
Community/Preventive Medicine & Environmental/Occupational Health

STEPHEN LOONEY, Ph.D.
Academic Program Director
Biostatistics

ROBERT L. MARIER, M.D., MHA
Academic Program Director
Health Policy and Systems Management

SARAH MOODY-THOMAS, Ph.D.
Academic Program Director
Community and Behavioral Health Sciences

ALICE LeBLANC, MPH
Director of Admissions and Student Affairs

HISTORY

Public Health at LSU Health Sciences Center has a long and distinguished history in tropical medicine and other fields of study in the School of Medicine dating back to 1941. Its programs were incorporated in the Department of Pathology in the 1970's. It was reactivated as a free standing Department in 1992. Since then it has grown in size and importance though its three part mission of education, research and service.

In 1995 the Department launched its first programmatic initiative in proposing the MPH program, which was subsequently approved by the Board of Regents. Enrollment was limited to students pursuing other graduate programs in the Medical, Dental, Allied Health, Nursing and Graduate schools of LSUHSC. The program was offered through the graduate school at LSU Health Sciences Center and was administered by the Department of Public Health in the School of Medicine. It was accredited by the Council for Education in Public Health in the spring of 2003.

In 2003 the Department was reorganized as a School of Public Health. The School will offer MPH degrees with concentrations in Biostatistics, Epidemiology and Environmental/Occupational Health Sciences starting in the fall of 2004 as well as the existing Community Preventive Medicine MPH. Beginning in the fall of 2005, MPH concentrations in Behavioral and Community Health Sciences and Health Policy and Systems Management will open for enrollment.

MISSION

The mission of the School is to improve the health of the people of Louisiana and their families and communities through education, research and community service. Special emphasis is placed upon the health and healthcare of underserved people and their communities, and on the industries of importance to the state. Our goal is to inspire and support people-centered health and healthcare where people actively pursue and take responsibility for health, and where care is centered around the individual and the family. We strive to influence the development of public policies which support healthy people and communities.

Education is needed to teach us what we can do individually and collectively to improve our health and to help our healthcare and public health workforces to be more effective. Research is needed to understand why our health is what it is and what we can do to improve it and to protect us from new threats to our health and well being. Community service is needed to translate what we have learned into practice.

ACCREDITATION

On May 28-30, 2003, the Council on Education for Public Health (CEPH) conferred accreditation on the Community Preventive Medicine Master of Public Health (MPH) Program at LSU Health Sciences Center in New Orleans for a 3-year term extending through July 2006.

The School of Public Health and its new MPH program concentrations will be reviewed for CEPH accreditation in 2006.

ADMISSION

The requirements for admission in the School of Public Health are:

1. A baccalaureate degree from a college or university approved by a regional accrediting agency;
2. Grade point average of 3.0 for undergraduate and graduate work on a 4-point scale and based on all work for which a grade is given;
3. A minimum combined score of 1000 on the Verbal and Quantitative components of the Graduate Record Examination (GRE). When appropriate, the Medical College Admissions Test (MCAT-27 minimum score) or Dental Admissions Test (DAT-18 minimum score) may be substituted;
4. Satisfactory standing at the most recent educational institution attended;
5. Acceptance in a concentration program. It should be noted that specific programs may establish requirements *more rigid* than the minimum standards of the School of Public Health.

In addition, all foreign students must present a minimum score of 585 on the paper-based or a score of 215 on the computer-based Test of English as a Foreign Language (TOEFL). Foreign Nationals must provide a certification of adequate funding or a letter of sponsorship from a recognized sponsoring agency in order to obtain a visa. Acceptance is contingent upon recommendation by one of the concentration programs.

STUDENT AID

A complete, detailed summary of all provisions governing financial aid available to students of the Health Sciences Center may be found elsewhere in this publication, under the heading TYPES OF STUDENT FINANCIAL AID AVAILABLE. (See General Instruction Section.)

STUDENT HEALTH

A physical examination, selected blood work, and immunizations are mandatory prior to registration at the Health Sciences Center. Students will receive information and instructions pertinent to student health in their acceptance packet.

TYPES OF ADMISSION

A student meeting all requirements is normally granted unconditional admission. Applicants who fail to meet all qualifications but who are nevertheless judged by the Programs concerned and by the Dean to show promise for successful graduate work may be considered for probationary admission on the merits of their individual cases. Applicants who appear to be admissible but who are unable, for good reason, to supply the required credentials prior to the stated deadline may request provisional admission. In such cases complete credentials must be received not later than sixty days after the first day of classes.

DEADLINES

Deadline dates for each Academic Program vary, depending upon number and quality of applicants, so early application is advised. Contact individual Academic Programs for their deadlines.

REGISTRATION

All students are expected to comply with the general Health Sciences Center provisions governing registration as specified in the general information section of this publication.

Dates for registration are listed in the Calendar of this section. Late registration is permitted only under unusual circumstances and a fee will be required.

It is sometimes necessary for a student to carry more than 15 hours of credit per semester in the first year of graduate study. Permission to exceed the usual 15 hour credit limit may be granted by the Dean.

REAPPLICATION

Students once registered in the School of Public Health who wish to resume studies after an absence of more than one semester will be required to submit an application for re-admission at least ten days before registration. Supplementary transcripts must be submitted if any work has been taken at another institution during the interim. Exceptions to this requirement must be by successful petition of the Dean.

GRADE REQUIREMENTS

To receive a graduate degree a student must have at least a B average on all work taken as a graduate student. A student will be dropped from the rolls of the School of Public Health if the student's cumulative average is below a B for three consecutive semesters. Credits received in thesis or dissertation research are not used in computing the grade point average. A Summer term is counted as a semester. Students in serious scholastic difficulties may be dropped from the rolls at the end of any semester if the Department and Dean feel that the student is not qualified to continue.

GRADING SYSTEM

In the School of Public Health a grade of A has the value of 4 quality points per semester hour. A grade of B has the value of 3 quality points per semester hour. C has the value of 2 quality points per semester hour and in some Departments a course with a C grade or less may not be accepted for credit toward a degree. D has one quality point value. F grades carry no quality points; I grades indicate unfinished work. The grading system of the other schools of the Health Sciences Center may be different from that of the School of Public Health, and public health students enrolled for graduate credit in them will receive letter grades.

Consistent grades below A in the major field may be considered evidence of unsatisfactory performance by some Departments.

No regular letter grades will be given for research or seminar courses, but they will be allowed for special topics or methods courses. Methods courses given for letter grades must be approved in advance by the Curriculum Committee and by the Dean.

For research or seminar courses, "Satisfactory" will be indicated by "S" and "Unsatisfactory" by "U".

INCOMPLETE GRADES

Work which is of passing grade but which, because of circumstances beyond the student's control is not complete, may be marked I, incomplete. An I grade is given only upon receipt by the faculty of an appropriate excuse. If an excuse is not received, the faculty is to consider that the incomplete work is of failing quality and an F grade is to be given. It is the responsibility of the student to initiate the excuse.

A grade of I will be converted to F unless it is removed prior to the deadline for adding courses for credit as published in the School calendar. The Dean may authorize an extension of time for removing the grade.

WITHDRAWAL GRADES

Students who withdraw from a class after the second week will receive a grade of W. Withdrawal within two weeks of the course termination will result in a grade of F.

STATEMENT OF SATISFACTORY ACADEMIC PROGRESS

A student who is permitted continuous enrollment is considered making satisfactory progress. The Academic Programs and the Dean review the qualitative and quantitative academic progress of each student. A student may be permitted to remediate upon the recommendation of the student's Academic Program and concurrence by the Dean. Such a student is considered to be making satisfactory academic progress.

TIME LIMIT FOR EARNING DEGREES

The School of Public Health requires that all graduate degree programs be completed within seven years. Any requests for extension of this policy are subject to approval by the Dean based on recommendations from the student's Academic Program.

FULL TIME EMPLOYEES

LSUHSC employees who are admitted to one of the Programs may not register for more than six hours of credit per semester. No full time employee will be permitted to register without written approval of the employee's immediate supervisor and Department Head. The employee must deliver the letter to the Director of Admissions Student Affairs of the School of Public Health, 1600 Canal Street, at least two weeks before registration. The employee must also complete a School of Public Health application form and pay the \$30 application fee. At registration the employee will pay for the course according to the Health Sciences Center Fee Schedule.

Employees must comply with the School of Public Health requirement that Biostatistics I (BIOS 6221) and Principles of Epidemiology (EPID 6210) must be taken concurrently with, or as prerequisites to all other School of Public Health courses.

All employees must comply with LSUHSC Student Health requirements and also maintain health insurance. A Course Schedule Form must be completed, signed by employee's supervisor and submitted at Registration.

August, 2004 (Fall Semester)

Wednesday 11 - Registration
Thursday 12 - Classes begin
Wednesday 25 - Final date for adding courses for credit

September, 2004

Monday 6 - Labor Day Holiday
Thursday 30 - Final date for dropping courses without receiving a grade of "W"

November, 2004

Tuesday 9 - Final date for submission of theses/dissertations and committee examination reports for Fall commencement
Tuesday 23 - Thanksgiving Holiday begins at 5:00 pm
Monday 29 - Classes resume

December, 2004

Wednesday 8 - Fall Semester Ends
Thursday 9 - Commencement

January, 2005 (Spring Semester)

Wednesday 5 - Registration
Thursday 6 - Classes begin
Monday 17 - Martin Luther King Jr. Holiday
Wednesday 19 - Final Date for adding courses for credit
Tuesday 25 - Final Date for dropping courses without receiving a grade of "W"

February, 2005

Friday 04 - Mardi Gras Holiday begins at 5:00 pm
Wednesday 09 - Classes resume

March, 2005

Thursday 24 - Easter Holidays begin at 5:00 pm
Tuesday 29 - Classes resume

April, 2005

Thursday 14 - Final date for submission of theses/dissertations and committee examination reports for Spring commencement

May, 2005

Friday 13 - Fall Semester ends
Saturday 14 - Commencement, 10:00 am

May, 2005 (Summer Semester)

Wednesday 18 - Registration
Thursday 19 - Classes begin

June, 2005

Wednesday 1 - Final date for adding courses for credit
Tuesday 7 - Final Date for dropping courses without Receiving a "W"

July, 2005

Monday 4 - Independence Day Holiday
Wednesday 13 - Final date for submission of approved theses /dissertations and committee examination reports for Summer Commencement

August, 2005

Friday 12 - Summer Semester ends
Saturday 13 - Commencement

August, 2005 (Fall Semester)

Wednesday 17 - Registration
 Thursday 18 - Class begin
 Wednesday 31 - Final Date for adding courses for credit

September, 2005

Monday 5 - Labor Day Holiday
 Tuesday 6 - Final Date for dropping courses without receiving a grade of "W"

November, 2005

Monday 7 - Final date for submission of theses/dissertations and committee examination report for Fall commencement
 Tuesday 22 - Thanksgiving Holidays begin at 5:00 pm
 Monday 28 - Classes Resume

December, 2005

Wednesday 7 - Fall Semester ends
 Thursday 8 - Commencement

January, 2006 (Spring Semester)

Wednesday 4 - Registration
 Thursday 5 - Classes begin
 Monday 16 - Martin Luther King, Jr. Holiday
 Wednesday 18 - Final date for adding courses for credit
 Tuesday 24 - Final date for dropping courses without receiving a grade of W

February, 2006

Friday 24 - Mardi Gras Holiday begins at 5:00 pm

March, 2006

Wednesday 1 - Classes Resume

April, 2006

Thursday 13 - Easter Holiday begins at 5:00 pm
 Tuesday 18 - Classes resume
 Wednesday 20 - Final date for submission of approved theses, dissertations and committee examination reports for Spring Commencement

May, 2006

Friday 19 - Spring Semester ends
 Saturday 20 - Commencement at 10:00 am

May, 2006 (Summer Semester)

Wednesday 24 - Registration
 Thursday 25 - Classes begin

June, 2006

Wednesday 7 - Final date for adding courses for credit
 Tuesday 13 - Final date for dropping courses without receiving a grade of W

July, 2006

Tuesday 4 - Independence Day Holiday

August, 2006

Friday 11 - Summer Semester ends

THE MASTER OF PUBLIC HEALTH (MPH) DEGREE PROGRAM

Mission

The mission of the LSUHSC MPH Program is to prepare health professionals to improve the health of the population. The program's course work, practice experience and thesis research will provide all students with a foundation in the basic disciplines of public health, while allowing them to pursue individual interests and build upon existing strengths and previous experiences. The program will enable students to develop the intellectual and analytical skills to define, evaluate and solve the complex problems encountered in public health and health care systems administration.

Core Courses for All MPH Concentrations

BIOS 6221 Biostatistics I -----	3
EPID 6210 Principles of Epidemiology* -----	3
ENHS 6238 Environmental Health and Medicine -	3
CBHS 6212 or CBHS 6248 Behavioral Science Coursework -----	3
HPSM 6268 Health Services Administration and Management -----	3
GENE 260 Research Ethics -----	1
PUBH 6600 Capstone -----	1-4
PUBH 6800 Practice Experience -----	1-2

*Please note that BIOS 6221 and EPID 6210 must be taken concurrently with, or as prerequisites to all other School of Public Health courses.

**SCHOOLWIDE COURSES
 Course Descriptions**

PUBH 6220, Preventive Medicine, 3 hours.
 This course introduces core concepts such as population health, health communication and education, immunization and screening programs, as well as investigation of outbreaks, behavioral factors affecting health, recognition and management of chronic diseases, control of communicable diseases, violence and violent injury prevention. The course presents a prospective approach to the management of populations of patients.

PUBH 6500, Special Topics, 1-3 hours.
 Public health topic chosen and credit assigned by arrangement with the Dean.

PUBH 6600, Capstone, 1-4 hours.
 The capstone is a project which integrates the core disciplines of public health, utilizing these elements to complete a course, assignment or paper which demonstrates the student's mastery of public health competencies.

PUBH 6800, Practice Experience, 1-2 hours.
 The Practice Experience is a fieldwork project or activity that immerses the student in one or more aspects of public health operations under the guidance of a preceptor. One credit hour of fieldwork is required; a second credit is optional.

PUBH 6900, Thesis Research, 3-6 hours.
 Registration is granted for this research credit by the Academic Program Director. Amount of credit must be stated at the time of registration. A thesis may be used as a capstone project.

MASTER OF PUBLIC HEALTH PROGRAM

Biostatistics

The MPH degree program with a concentration in biostatistics is a 46-hour degree that includes core courses in epidemiology, health services administration, and environmental health as well as introductory and advanced courses in biostatistical methods. Coursework in biostatistical methods includes categorical data analysis, survival analysis, multivariate statistics, sampling, and the design and analysis of clinical trials.

Admission Prerequisites

- Differential and integral calculus
- Introductory linear algebra
- Experience with computers

Students may take the calculus and/or linear algebra courses either during the summer prior to admittance or concurrently during their 1st year in the program. The equivalent courses at UNO are MATH 2111, 2112, 2511. For students with limited or no computer background, they might consider CSCI 1060 at UNO.

School requirements:

	Credit Hours
BIOS 6221 Biostatistics I* -----	3
EPID 6210 Principles of Epidemiology* -----	3
ENHS 6238 Environmental Health and Medicine -	3
CBHS 6212 Behavioral Science Coursework -----	3
HPSM 6268 Health Services Administration and Management -----	3
GENE 260 Research Ethics -----	1
PUBH 6600 Capstone -----	1-4
PUBH 6800 Practice Experience -----	1-2

*Please note that BIOS 6221 and EPID 6210 must be taken concurrently with, or as prerequisites to all other School of Public Health courses.

Electives in Biostatistics

	Credit Hours
BIOS 6222 Biostatistics II -----	3
BIOS 6241 Sampling Methods in the Health Sciences -----	3
BIOS 6244 Analysis of Categorical Data in the Health Sciences -----	3
BIOS 6250 Multivariate Methods -----	3
BIOS 6296 Statistical Consulting in the Health Sciences -----	1-3
BIOS 6298 Seminar in Biostatistics -----	1
BIOS 6500 Special Topics in Biostatistics ---	1-4
BIOS 6900 Thesis Research -----	1-6

Biostatistics Course Descriptions

BIOS 6221, Introduction to Biostatistics, 3 hours.

Three hours of lecture per week. General introduction to descriptive and inferential statistics: The role of biostatistics in the health sciences, techniques and principles for summarizing data, estimation, hypothesis testing and decision-making. Examples and problems from the health sciences are used.

BIOS 6222, Biostatistics II, 3 hours.

Three hours of lecture per week. Continuation of BIOS 6221. Additional biostatistics techniques in health sciences: Hypothesis testing via the general linear model, including analysis of variance and linear regression, methods of correlation analysis, and multiple regression techniques. Examples and problems from the health sciences are used.

BIOS 6241, Sampling Methods in the Health Sciences, 3 hours.

Three hours of lecture per week. Methods for conducting sample surveys in the health sciences: Biases and non-sampling errors, probability and non-probability samples, simple random sampling, stratification, varying probabilities of selection, multi-stage sampling, systematic sampling, cluster sampling, double sampling, and ratio estimation.

BIOS 6244, Analysis of Categorical Data in the Health Sciences, 3 hours.

Model formulation, parameter estimation, and hypothesis testing for categorical data from different types of experimental and survey research situations: Characterization of interaction in multi-dimensional contingency tables, stepwise regression procedures for proportions, and exact inference.

BIOS 6250, Multivariate Methods, 3 hours.

Three hours of lecture per week. Review of matrix algebra, multivariate normal distribution, multivariate general linear model, principal components, factor analysis, cluster analysis, discriminant analysis. Applications are in the health sciences. Prerequisites: BIOS 6222, 6223.

BIOS 6264, Clinical Trials and Sequential Methods, 3 hours.

Three hours of lecture per week. Introduction to the conduct of clinical trials and clinical trials methodology. Topics covered include selection of primary and secondary research questions and hypotheses, use of surrogate variables, defining study population, generalizability of results, basic study design, randomization process, blinding, sample size estimation, using baseline assessments, recruitment of study participants, data collection and quality control, assessing and reporting adverse events, assessing quality of life, participant adherence, survival analysis techniques and issues, monitoring response variables, data analysis issues, study closeout, and reporting and interpreting results.

BIOS 6296, Statistical Consulting in the Health Sciences, 1-3 hours.

A practical course designed to expose students to real-life consulting situations and the statistical problems that arise in the health sciences. The student will work on a consulting project under the supervision of a faculty member and will present a progress report each week. Prerequisites: BIOS 6221, 6223.

BIOS 6298, Seminar in Biostatistics, 1 hour.

Reports on research progress in current literature.

BIOS 6500, Special Topics in Biostatistics, 1-4 hours.

Hours and credits to be arranged depending on the particular topic. This course is designed, depending upon the students' interest and staff availability, to cover advanced topics such as stochastic processes, time series analysis, analysis of survival distributions, experimental design, multivariate analysis, etc.

BIOS 6900, Thesis Research, 1-6 hours.

Registration for thesis research is by permission of the School. The amount of credit must be stated at time of registration.

MASTER OF PUBLIC HEALTH PROGRAM

Environmental/Occupational Health

Program Description

The MPH in Environmental/Occupational Health is designed to prepare either pre-professionals or health science students/graduates for a full-time career in environmental and/or occupational health or medicine in a variety of settings, including academics, government, private industry, and the military. The MPH in Environmental/Occupational Health will include the CEPH core curriculum and a required concentration in the environmental/occupational health-related sciences.

The curriculum includes 38 credit hours for health professional students already holding or earning MD, MSN, DDS, DSN, DVM degrees; and 45 credit hours for non-health professional students.

Physicians completing the MPH in Environmental/ Occupational Health will meet the requirements for ABMS board eligibility for formal board certification by the American Board of Preventive Medicine (ABPM) in the following medical specialty fields: (1) General Preventive Medicine and Public Health, (2) Occupational and Environmental Medicine, (3) Aerospace Medicine, (4) Diving and Undersea Medicine, and (5) Medical Toxicology.

School requirements:

	Credit Hours
BIOS 6221 Biostatistics I* -----	3
EPID 6210 Principles of Epidemiology* -----	3
ENHS 6238 Environmental Health and Medicine -	3
CBHS 6248 Behavioral Science Coursework -----	3
HPSM 6268 Health Services Administration and Management -----	3
GENE 260 Research Ethics -----	1
PUBH 6600 Capstone -----	1-4
PUBH 6800 Practice Experience -----	1-2

*Please note that BIOS 6221 and EPID 6210 must be taken concurrently with, or as prerequisites to all other School of Public Health courses.

Environmental/Occupational Health Concentration Requirements:

	Credit Hours
BIOS 6221 Biostatistics I* -----	3
ENHS 6239 Occupational Health & Medicine ----	3
ENHS 6240 Travel & Tropical Health & Medicine	3
ENHS 6241 Medical Toxicology -----	3
EPID 6214 Infectious Disease Epidemiology ---	2
EPID 6215 Monitoring and Evaluation -----	3



Recommended Environmental/Occupational Health Electives:

	Credit Hours
EPID 6211 Intermediate Epidemiology -----	3
EPID 6218 Spatial Analysis -----	3
EPID 6219 Nutritional Epidemiology -----	3
EPID 6220 Molecular Epidemiology -----	3
PUBH 6220 Preventive Medicine -----	3

Course Descriptions

ENHS 6238, Environmental Health and Medicine, 3 hours. This course explores the relationships between man and the natural environment by examining the impact of human activities on air, water, soil, and food quality, and by analyzing the outcomes of encounters between humans and natural events, venomous animals, and toxic plants and fungi.

ENHS 6239, Occupational Health and Medicine, 3 hours. This course explores common and uncommon occupational risk factors in different workplace settings and describes the pathophysiological mechanisms, management, and primary and secondary prevention of occupational illnesses caused by biological, chemical, physical, and temporal exposures.

ENHS 6240, Travelers' Health and Tropical Medicine, 3 hours. This course, taught concurrently with Environmental Health and Medicine, provides an overview of travelers' preventive health needs and regionally related health risks and describes the pathophysiological mechanisms, management, and primary and secondary prevention of travel-related and tropical illnesses.

ENHS 6241, Medical Toxicology, 3 hours. This course, taught concurrently with Occupational Health and Medicine, examines the toxicokinetic mechanisms and clinical toxidromic outcomes of human poisonings with medicinal, herbal, or alternative pharmaceuticals and therapies, natural toxins, and manmade environmental and industrial and toxicants.

MASTER OF PUBLIC HEALTH PROGRAM

Epidemiology

The mission of the Epidemiology Program at LSUHSC School of Public Health is to contribute to a reduction in adverse health outcomes and health disparities in human populations through research, education and service. A particular emphasis is placed on the population of Louisiana, consistent with the mission of the School and Health Science Center.



The MPH program in epidemiology is designed to prepare students for a diverse set of skills essential to the practice of epidemiology. Pre-professionals are prepared for a career in public health through the study and application of epidemiological principles and practices. This is a 45-credit hour degree program. The MPH program in epidemiology for professionals is designed to train individuals in the health field in epidemiological methods and research skills and 38 credit hours are required. Training in the Epidemiology Program includes fieldwork, problem-based learning, team approaches as well as classroom instruction. Students will be trained to generate and interpret epidemiological data and to apply findings in the context of the body of knowledge in order to improve health and decrease health disparities.

COURSES AND CREDITS

School requirements:

	Credit Hours
BIOS 6221 Biostatistics I* -----	3
EPID 6210 Principles of Epidemiology* -----	3
ENHS 6238 Environmental Health and Medicine -	3
CBHS 6212 Behavioral Science Coursework -----	3
HPSM 6268 Health Services Administration and Management -----	3
GENE 260 Research Ethics -----	1
PUBH 6604 Capstone -----	4
PUBH 6800 Practice Experience -----	1-2

*Please note that BIOS 6221 and EPID 6210 must be taken concurrently with, or as prerequisites to all other School of Public Health courses.

Epidemiology Concentration Requirements

	Credit Hours
BIOS 6222 Intermediate Biostatistics -----	3
EPID 6211 Intermediate Epidemiology -----	3
EPID 6604 Field Epidemiology* -----	4
EPID 6213 Epidemiology Seminar -----	1
EPID 6217 Database Management -----	2
EPID 6212 Introduction to Statistical Packages	2
Total Credit Hours	15

*Will serve as the Capstone experience for Epidemiology Majors.

Recommended Epidemiology Electives

	Credit Hours
EPID 6218 Nutritional Epidemiology -----	3
EPID 6219 Molecular Epidemiology -----	3
EPID 6217 Spatial Analysis -----	3
EPID 6216 Biologic Basis of Disease (required for pre-professionals) -	3
EPID 6215 Monitoring and Evaluation -----	3
GENE 247 Proposal Writing -----	1
EPID 6221 Qualitative & Quantitative Research Methods -----	3
EPID 6214 Infectious Disease Epidemiology ---	2
EPID 6222 Cancer Epidemiology -----	2
EPID 6213 Epidemiology Seminar -----	1

Course Descriptions

EPID 6210, Principles of Epidemiology, 3 hours.

This course emphasizes the epidemiological approach to the review of medical literature, health care policy, management, communicable disease control and issues of disease causation.

EPID 6211, Intermediate Epidemiology, 3 hours.

The purpose of this course is to provide students with the specialized skills required to conduct epidemiological research. Selected topics covered in lectures and problem sets include: measures of disease frequency and adjustment, study design, confounding and interaction, sources of bias and data analysis techniques. Prerequisite: EPID 6210

EPID 6212, Introduction to Statistical Packages, 2 hours.

This course is designed to familiarize students with the use of statistical software. The course will cover data management, data manipulation, data analysis and graphical techniques. Students will learn to use statistical analyses and interpret the output. No prerequisites

EPID 6213, Epidemiology Seminar, 1 hour.

Seminars presenting current research as well as discussions of recent literature and developments of particular relevance to epidemiology will be conducted on a weekly basis. Students taking the course for credit will be required to lead at least one seminar.

EPID 6214, Infectious Disease Epidemiology, 2 hours.

This course will feature infectious disease epidemiology and methods used in infectious disease research. Topics will include surveillance systems used in monitoring disease status and used in detecting epidemics; disease prevention and control strategies; and relationships between host, infectious agent and environment in etiology. The epidemiology of specific infectious diseases will be covered. Prerequisite: Principles of Epidemiology

EPID 6215, Monitoring and Evaluation, 3 hours.

This course will introduce students to the concepts of monitoring and evaluation of community health, health promotion and other public health programs, including program planning, monitoring, and impact and efficiency assessment. The student will learn to identify the steps in implementation, the components of a program that are effective, for whom and under what circumstances an intervention is effective, and when mid-course corrections may be necessary.

EPID 6216, Biologic Basis of Disease, 3 hours.

The course is required for pre-professional students and will provide a basic understanding of the biologic basis of disease for individuals who do not have a health science background. The course will emphasize basic principles of human anatomy, physiology and pathology. The course will first provide a review of human body structure from the cellular level to the organ system level followed by a review of normal physiology in terms of body chemistry. The second part of the course will emphasize the pathologic basis of disease organized by organ system. The disease topics covered will include the leading causes of human morbidity and mortality. No prerequisites

EPID 6217, Database Management, 2 hours.

This course will provide an introduction to large data base management methods, including design, creation, manipulation, maintenance and extraction of data files for data analyses by SAS and other epidemiology software on microcomputers. Emphasis will be on development of useful data management techniques needed for epidemiologic studies. Methods will be demonstrated using Microsoft Access. Prerequisites: Introduction to Statistical Packages, Principles of Epidemiology and Introduction to Biostatistics

EPID 6218, Spatial Analysis, 3 hours.

The course presents an introduction to the methods used in collection and analysis of spatially referenced data. Emphasis will be on how Geographic Information Systems (GIS) are used to reference data for epidemiologic analyses as well as methods used by researchers to conduct epidemiologic studies of spatially referenced data. Topics will include geo-referencing, multilevel analysis, spatial autocorrelation, and exploratory spatial analysis. Examples relevant to public health will be covered, including health disparities, social capital, income inequality, community and neighborhood level risk factors, and eco-epidemiology. Prerequisite: Principles of Epidemiology and Introduction to Biostatistics

PUBH 6801-6802, Practice Experience in Epidemiology, 1-2 hours. The practice experience is a fieldwork project or activity that immerses the student in one of more aspects of epidemiological activities under the guidance of a preceptor. Prerequisites: BIOS 6221, EPID 6210, ENHS 6238, CBHS 6212, HPSM 6268

EPID 6219, Nutritional Epidemiology, 3 hours.

This course will provide an introduction to the methodological issues related to the design, conduct, analysis and interpretation of studies investigating the relationship between nutritional status, diet, and disease. An emphasis will be placed on the types of dietary and nutritional status assessment methods and their advantages and disadvantages in epidemiologic research. The interpretation of studies in nutritional epidemiology given basic study design and the specific dietary instrument(s) employed will be considered. Issues such as intra- and inter-individual variation, measurement error, misclassification, homogeneity of intake within populations, and correlations among nutrients, micronutrients and food groups will be discussed. Prerequisite: Principles of Epidemiology

EPID 6220, Molecular Epidemiology, 3 hours.

This course will present an introduction to the principles of the molecular techniques used in epidemiologic investigations. The impact of these methods on the design, conduct, analysis and interpretation of epidemiologic studies will be examined. Major relevant biotechnologies and their integration into epidemiologic research will be covered, with emphasis on the advantages and disadvantages of molecular approaches to the study of health outcomes compared to other techniques. The goal will be to develop a general understanding of the molecular research techniques and vocabulary necessary to communicate with laboratory researchers. Prerequisites: Introduction to Epidemiology, Intermediate Epidemiology, and undergraduate biochemistry.

EPID 6601-6604, Field Epidemiology, 4 hours.

Field Epidemiology will serve as the Capstone Experience for epidemiology program majors. The course will include applications of epidemiologic methods and concepts of analysis of data from epidemiologic studies. It will provide a culminating experience in independent research and scientific writing under faculty guidance.

EPID 6221, Qualitative and Quantitative Research Methods, 3 hours.

This course will provide a practical introduction to qualitative and quantitative research methods. Students will gain experience in using focus groups and survey data and participate in two research projects from conception to final product. They will actively participate in the design, instrument development, administration, analysis and preparation of final written reports designed to answer research questions. This course will provide a practical application of skills that are basic to epidemiologic research. Prerequisites: Introduction to Statistical Packages, Principles of Epidemiology and Introduction to Biostatistics

EPID 6222, Cancer Epidemiology, 2 hours.

This course will cover methods used in epidemiologic research of cancer, including surveillance and tumor registries as well as issues in analytic epidemiologic research and prevention approaches. The course will provide an overview of the epidemiology of the major types of cancer, as well as those cancers with unique profiles and geographic relevance. Issues such as latency, natural history including pre-malignant lesions, risk factors, and approaches to prevention and control will be considered. Prerequisite: Principles of Epidemiology

MASTER OF PUBLIC HEALTH PROGRAM

Program in Community Preventive Medicine

COURSES AND CREDITS

A 38-hour CEPH-accredited companion MPH curriculum is offered to dual-degree graduate and doctoral students on the LSUHSC campus as well as health professionals.

It offers a choice of 3 tracks: (1) *Public Health and Preventive Medicine (PHPM)*, (2) *Administration and Management (A&M)*, and (3) the *Generalist Track*, a very popular combination of tracks (1) and (2), with electives selected from both tracks (1) and (2). A partnership with the University of New Orleans School of Business Administration provides MPH students access to elective administrative courses.

Although the companion and health professional programs were initially designed to be completed by students and residents on a part-time basis over 3-4 years, full-time students, such as health professional graduates or even fellows on protected non-clinical academic or research time, may complete the entire curriculum in 3-6 semesters.

School requirements:

	Credit Hours
BIOS 6221 Biostatistics I* -----	3
EPID 6210 Principles of Epidemiology* -----	3
ENHS 6238 Environmental Health and Medicine -	3
CBHS 6212 Behavioral Science Coursework -----	3
HPSM 6268 Health Services Administration and Management -----	3
GENE 260 Research Ethics -----	1
PUBH 6600 Capstone -----	1-4
PUBH 6800 Practice Experience	1-2

*Please note that BIOS 6221 and EPID 6210 must be taken concurrently with, or as prerequisites to all other School of Public Health courses.



Elective Courses Recommended for Public Health Preventive Medicine Track

	Credit Hours
EPID 6211 Intermediate Epidemiology -----	3
BIOS 6222 Biostatistics II -----	3
BIOS 6242 Design and Analysis of Experiments	3
ENHS 6239 Occupational Health & Medicine ----	3
PUBH 6220 Preventive Medicine -----	3
CBHS 6212 Behavioral Science Theories For Public Health Practice -----	3

Elective Courses Recommended for Administration and Management Track

	Credit Hours
HPSM 6258 Health Law and Ethics -----	3
HPSM 6288 Health Care Policy -----	3
UNO ACCT 6131 Accounting for Health Care Managers -----	3
UNO BA 6010 Health Care Management -----	3
UNO BA 6013 Strategic Issues in Health Care Organizations -----	3
UNO BA 6014 Business Topics in Health Care	3
UNO BA 6780 Survey of Decision Making Tools	3
UNO ECON 4250 Health Care Economics -----	3
UNO FIN 6350 Health Care Financial Management	3

Course Descriptions:

CBHS 6248, Culture and Behavior in Health Care

Settings, 3 hours. The focus of this course is upon individual and small group behavior and communication among employers, employees, hospitals, clinics, academic medical centers, insurance companies, HMOs and PPOs. The topics addressed in classes pertain to issues of management within the changing health care market.

CBHS 6212, Behavioral Science Theories for Public

Health Practice, 3 hours. This course is designed to study health behavioral theories relevant to public health practice. In order to maintain effective public health initiatives at a community level, it is essential that practitioners appreciate the target populations' varied health patterns and behaviors.

HPSM 6258, Health Law and Ethics, 3 hours.

This comprehensive course addresses principles of health law and medical ethics. The course covers basic ethical principles and theories together with federal and state laws that regulate the practice of medicine and professional liability.

HPSM 6288, Health Care Policy, 3 hours.

This course covers the formation, implementation and evaluation of health policy and its impact on the delivery of health services. The purpose of the course is to enable the student to more effectively participate in health related policy and political deliberations.

SCHOOL OF PUBLIC HEALTH FACULTY ROSTER

Alphabetical Listing

AIKEN, JAMES - MD, MHA, Louisiana State University, 1979, Joint Assistant Professor and Director of Homeland Defense Program
 ANDREWS, PATRICIA - MPH, Tulane University, 1992, Instructor
 BEDIMO-RUNG, ARIANE - PhD, Tulane University Graduate School, 1999, Assistant Professor
 BOURQUE, DONNA - MSW, Louisiana State University, 1975, Instructor
 BRENNAN, CHRISTINE - MSN, University of Pennsylvania, 1989, Instructor
 BROWN, CHARLES - MD, Tulane University Medical School, 1953, Professor
 BROWN, JESSICA LYNN - PhD, University of Alabama, 2000, Assistant Professor
 BUTLER, MICHAEL - MD, MHA, Tulane University School of Medicine, 1980, Assistant Professor
 CHAUVIN, SHEILA - PhD, Louisiana State University, 1992, Joint Professor
 CHEN, VIVIEN W. - MPH, PhD, University of Oklahoma School of Public Health, 1978, Professor
 CHIU, YU-WEN - MPH, DrPH, Tulane University, 2004, Assistant Professor
 COHEN, DEBORAH - MD, MPH, University of Pennsylvania, 1981, Adjunct Associate Professor
 CORREA, CATHERINE - MPH, PhD, Tulane University, 1998, Assistant Professor
 CROW, STEPHEN - PhD, North Texas State University, 1989, Adjunct Professor
 CRUISE, KEITH - PhD, University of North Texas, 2000, Assistant Professor
 DEPRATO, KATHERINE - MD, Louisiana State University School of Medicine, 1984, Associate Professor and Director of Juvenile Justice Program.
 DIAZ, JAMES - MD, MHA, DrPH, MPH&TM, Tulane University, 1975, Professor and Director of Environmental Health and Community/Preventive Medicine Programs
 DVOSKIN, JOEL - PhD, University of Arizona, 1981, Assistant Professor
 EVANS, LISA - PhD, Indiana University Purdue University Indianapolis, 2002, Assistant Professor
 FONTHAM, ELIZABETH - MPH, DrPH, Tulane University School of Public Health, 1983, Professor and Dean
 GLINDMEYER, DAPHNE - MD, Louisiana State University Medical Center, 1993, Assistant Professor
 GRUBER, DEANN - Ph.D., Tulane University, 2003, Assistant Professor
 HAGAN, JOSEPH - MSPH, University of Louisville, 2003, Instructor
 HORSWELL, RONALD - PhD, Louisiana State University of Baton Rouge, 1990, Assistant Professor
 HOUSTON, THOMAS - MD, University of Mississippi Medical Center, 1977, Professor
 HSIEH, MEI CHIN - MSPH, Tulane University, 1998, Instructor
 HYSLOP, NEWTON E., Jr. - MD, Harvard Medical School, 1961, Adjunct Professor
 KIMBRELL, JOSEPH - MS, Tulane University, 1967, Adjunct Assistant Professor

LEBLANC, ALICE - MPH, Tulane University, 1996,
Instructor and Director of Admissions and Student Affairs

LOONEY, STEPHEN - PhD, University of Georgia, 1980,
Professor and Director of Biostatistics Program

MARIER, JOANNE CAIN - JD, Tulane University, 1981,
Joint Associate Professor

MARIER, ROBERT - MD, MHA, Yale University School of Medicine, 1969,
Professor and Director of Health Policy and Systems Management Program

MARTIN, JANE - MA, New York University, 1970,
Instructor and Director of Delta Region AIDS Education and Training Center

MERCANTE, DONALD - PhD, Virginia Polytechnic Institute & State University, 1990,
Joint Associate Professor

MOODY-THOMAS, SARAH - PhD, University of Georgia, 1978,
Professor and Director of Community and Behavioral Health Sciences Program

OSOFSKY, JOY - PhD, Syracuse University, 1969, *Joint Professor*

PETRILA, JOHN - JD, University of Virginia, School of Law, 1976,
Assistant Professor

PHILLIPPI, STEPHEN, Jr. - MSW, Tulane University, 1994,
Instructor

PORCHE, DEMETRIUS JAMES - DNS, Louisiana State University Medical Center, 1995,
Joint Professor

ROBERTS, ELLIOTT - MBA/HA, George Washington University, 1963,
Professor

SCHMIDT, BETH - MPH, Tulane University, 1992,
Instructor

SCRIBNER, RICHARD - MD, University of Southern California, 1984, MPH, 1987,
Associate Professor

SCHWEHM, KIRSTEN WILLIAMS - PhD, University of Alabama, Birmingham, 1995,
Assistant Professor

SIMONSEN, NEAL - PhD, University of North Carolina-Chapel Hill, 1993,
Assistant Professor

SOTHERN, MELINDA - Ph.D., University of New Orleans, 1997,
Associate Professor

SU, L. - PhD, MPH, University of North Carolina, Chapel Hill, 1998,
Assistant Professor

THAMES, MARY LYNNE - PhD, University of Southern Mississippi, 1979,
Assistant Professor

THOMPSON, HILARY - PhD, Louisiana State University, 1986,
Joint Associate Professor

THOMSON, JESSICA - PhD, University of Louisiana at Lafayette, 2002,
Assistant Professor

VALLIERE, JEAN - M.S.W., University of Michigan, 1976,
Assistant Professor

VELASCO-GONZALEZ, CRUZ - PhD, Tulane University, 2000,
Assistant Professor

WARD, DAVID - MS, University of Michigan, 1976,
Adjunct Instructor

WASHINGTON, DONALD - MSW, Washington University, 1990,
Assistant Professor

WILBRIGHT, WAYNE - MD, MS, Tulane University School of Medicine, 1988,
Associate Professor, Director of Telemedicine and Medical Informatics Program

WILEY, JUSTIN R. - Psy.D., Georgia School of Professional Psychology, 1999,
Assistant Professor

WILLIAMS, DONNA - MS, MPH, Tulane University, 1991,
Instructor and Director of Louisiana Breast and Cervical Cancer Early Detection Program.

WOODS, LENORA- MSW, Louisiana State University, 1994,
Instructor

WU, XIAO CHENG - MD, MPH, Xian Medical University, 1986,
Assistant Professor

