

UNIVERSITY SENATE REVIEW AND CONSULTATION SUMMARY SHEET

Proposal Title: Certificate in Maternal and Child Health

Proposal Contact: Dr. James Cecil, Department of Health Behavior
College of Public Health
121 Washington Avenue, Room 109
CAMPUS 0003
Phone: 323-6400
Email: jimc@email.uky.edu

Becki Flanagan, Academic Affairs
218-2092 becki@uky.edu

Instruction: To facilitate the processing of this proposal please identify the groups or individuals reviewing the proposal, identify a contact person for each entry, provide the consequences of the review (specifically, approval, rejection, no decision and vote outcome, if any) and please attach a copy of any report or memorandum developed with comments on this proposal.

Reviewed By	Contact person	Consequences of Review	Date of Proposal Review	Review Summary Attached?
Academic Affairs Committee	Marta Mendiondo, Chair	Approved	6/17/08	Yes
Faculty Council	Glyn Caldwell, Chair	Approved	7/26/08	Yes
Office of Academic Affairs	Linda Alexander, Associate Dean	Approved	8/28/08	Yes

Brothers, Sheila C

From: Mendiondo, Marta
Sent: Friday, April 24, 2009 7:24 PM
To: Brothers, Sheila C
Subject: RE: Maternal and Child Health Grad Cert

Yes. We approved it.
Marta

From: Brothers, Sheila C
Sent: Friday, April 24, 2009 12:07 PM
To: Mendiondo, Marta
Subject: Maternal and Child Health Grad Cert

Hi, Marta! Did the cmte have enough time to review the proposed new Graduate Certificate in Maternal and Child Health?

Thank you,
Sheila

Sheila Brothers
Office of the Senate Council
203E Main Building, -0032
Phone: (859) 257-5872
sckinn1@uky.edu
<http://www.uky.edu/usc/>



UNIVERSITY OF KENTUCKY

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COLLEGE OF PUBLIC HEALTH

M E M O R A N D U M

TO: Health Care Colleges Council

FROM: Linda A. Alexander, EdD
Associate Dean for Academic Affairs

SUBJECT: New Certificate Proposal – Maternal and Child Health

DATE: August 29, 2008

It is the intention of the College of Public Health to begin offering a new graduate certificate in Maternal and Child Health.

The need for this certificate was first explored in 2005, when Dean Steve Wyatt created an Ad Hoc MCH Advisory Committee to determine the interest and value of a certificate in MCH. A survey was conducted of 200 Kentucky public health workers who considered themselves to be MCH health care providers. Ninety-eight percent of the respondents indicated a general need for MCH training in the Commonwealth's workforce. The same survey indicated that not all workers would desire to work toward a graduate degree in public health, but many would be interested in enhancing their credentials in MCH without striving to achieve a terminal degree.

The Graduate Certificate in Maternal and Child Health provides a mechanism for public health workers and students admitted to the graduate school to enhance their competencies and skills in Maternal and Child Health without undertaking a graduate degree in MCH. The certificate will be accessible to students enrolled in the Graduate School and the College of Public Health and will be valuable to the public health workforce throughout the Commonwealth of Kentucky. This proposal for a 15-credit hour graduate certificate is intended to enhance the training opportunities for students and public health workers with an interest in maternal and child health.

After the full proposal was completed, it was reviewed and approved by the Academic Affairs Committee and the Faculty Council, according to our college's established bylaws.

Further information about this course can be obtained by contacting the program's proposed director, Dr. James Cecil, at 323-6400 or via email at jimc@email.uky.edu.

TO: Linda Alexander
Associate Dean for Academic Affairs

CC: Marta Mendiondo
Chair, Academic Affairs Committee

CC: James C. Cecil, III

FROM: Glyn G. Caldwell
Chair, Faculty Council

DATE: June 26, 2008

SUBJECT: Approval of the Graduate Certificate Program in Maternal and Child Health

On June 26, 2008, the Faculty Council of the College of Public Health unanimously approved the Graduate Certificate Program in Maternal and Child Health with one correction, one concern, and one recommendation.

The correction is in item 2f of the Application for New Course. The Council felt that the answer should be "No" and the 3 credit hours omitted. The rationale is that there is no reason for students to repeat the course because the content will remain the same from semester to semester.

The concern is that it would be possible for an MPH student concentrating in Health Behavior to automatically satisfy the requirements for the certificate by choosing the certificate electives to coincide with the MPH electives.

The recommendation is that on page 2, Curriculum. The sentence be changed as follows: The Graduate Certificate consists of 15 credit hours, 6 of which are required courses and 9 of which can be selected from the list of electives below, ***or other existing classes or classes to be developed as approved by the certificate director.***

MEMORANDUM

To: Faculty Council

From: Marta S. Mendiondo 
Chair, Academic Affairs Committee

Date: June 17, 2008

The Academic Affairs committee approved the proposed Graduate Certificate in Maternal and Child Health.



UNIVERSITY OF KENTUCKY

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COLLEGE OF PUBLIC HEALTH

MEMORANDUM

TO: Dr. James Cecil
Director, MCH Certificate Program

FROM: Dr. Stephen W. Wyatt *Stew*
Dean

DATE: May 8, 2008

SUBJECT: MCH Graduate Certificate

I am pleased to document the commitment of the State (KDPH) and UK College of Public Health to the development and delivery of the MCH certificate program. The resources received from KDPH will be utilized to support a (1) 20% time commitment for you as Director, (2) a part-time administrative assistant, (3) salary support for faculty who develop and/or teach courses, and (4) certificate related travel.

Office of the Dean

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www.mc.uky.edu/PublicHealth

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University of Kentucky
College of Public Health

May 15, 2008

Proposal for a Graduate Certificate in Maternal and Child Health

Purpose and Background:

Maternal and Child Health (MCH) issues are among the most prevalent in the Commonwealth of Kentucky. The University of Kentucky President, Dr. Lee Todd, often refers to the “Kentucky Ugliers” which are those attributes that are addressable with current technology and knowledge but make Kentucky less than it could be if those attributes did not exist. Among the “Kentucky Ugliers” related to public health and MCH are high rates of premature births (KY=15.2%; USA=12.7%), increased rates of infant mortality (KY is ranked #17 in the U.S.), domestic violence at very high rates, and a myriad of preventable diseases and conditions that could better be addressed by public health workers who had appropriate MCH training. Possessing the requisite credentials is important, but those workers need to be motivated by a desire to improve and enhance the health status of children, mothers and families in Kentucky. Although MCH courses are available and are being taught at the College of Public Health (CPH) and the University of Kentucky, there is no systematic mechanism that focuses on MCH issues and skills. This certificate is designed to focus on this important aspect through a sequence of courses and experiences exclusively dedicated to MCH. Dean Steve Wyatt supports the creation of a Graduate Certificate in Maternal and Child Health at the College of Public Health. This Certificate may lead to the creation of an MPH concentration in MCH in the future.

The Graduate Certificate in Maternal and Child Health provides a mechanism for public health workers and students admitted to the graduate school to enhance their competencies and skills in Maternal and Child Health without undertaking a graduate degree in MCH. The certificate will be accessible to students enrolled in the Graduate School and the College of Public Health and will be valuable to the public health workforce throughout the Commonwealth of Kentucky.

This proposal for a 15-credit hour graduate certificate is intended to enhance the training opportunities for students and public health workers with an interest in maternal and child health. The need for this certificate was explored in 2005, when Dean Steve Wyatt created an Ad Hoc MCH Advisory Committee to determine the interest and value of a certificate in MCH. A survey of 200 public health workers, who considered themselves to be MCH workers in Kentucky, was conducted. Ninety-eight percent of the respondents indicated a general need for MCH training in the Commonwealth’s workforce. The same survey indicated that not all workers would desire to work toward a graduate degree in public health but many would be interested in enhancing their credentials in MCH without striving to achieve a terminal degree.

Graduate Certificate Director:

Full member of Graduate Faculty (James C. Cecil, III DMD, MPH – subject to appointment by the Dean of the Graduate School). Dr. Cecil is a part-time CPH faculty with clinical and academic experience in maternal and child health issues. As faculty at the College of Dentistry and former Kentucky State Dental Director, he developed a course in Children’s Oral Health for health department nurses in Kentucky called “KIDS Smile” which has been used in several other state programs. As state dental director, Dr. Cecil worked closely with the MCH program at the Kentucky Department for Public Health.

Graduate Certificate Associates: Dr. Henrietta Bada, pediatrician, neonatologist and faculty at the College of Medicine; Dr. Ken Muse, obstetrician and faculty at the College of Medicine; Dr. Linda Alexander, faculty College of Public Health.

Graduate Certificate in Maternal and Child Health**Objectives:**

Prepare public health workers to address the multi-factorial MCH issues in Kentucky in their workplaces by enhancing public health-related skills.

Provide students with theoretical, practical, and relevant educational experiences in MCH to enhance the health and welfare of children, mothers and families.

Provide students with the knowledge and skills to develop, implement and manage MCH programs, prepare budgets, and evaluate the effectiveness of MCH programs.

Curriculum:

The Graduate Certificate consists of 15 credit hours, 6 of which are required courses and 9 of which can be selected from the list of electives below, or other existing classes or classes to be developed as approved by the certificate director.

Required Courses:

CPH 740 – Introduction to Maternal and Child Health (3 hrs). (A new course proposal is included in this Graduate Certificate proposal)

CPH 605 – Introduction to Epidemiology (3 hrs).

Selective Courses in Existence Throughout the University:

CPH 645 – Food Systems and Malnutrition and Public Health (3 hrs). “This course explores key issues in public health and malnutrition through a food systems perspective. Understanding how the various parts of the food system interact is essential in the design of effective public health policy and projects to combat

malnutrition in all its various forms. ... we will look at public health nutrition challenges throughout the food system, both in the US and in the developing world.”

CPH 648 – Health and Culture (3 hrs). “Health educators involved in advocacy, policy, or promotion should be trained to understand differences in minority populations in order to help build and lobby for the infrastructure needed to prevent excess disease and death among underserved populations. A special emphasis...will be placed on understanding the role of culture in influencing the adaptation of health attitudes, practices and behaviors. An additional focus will be placed on health status, current trends, and health indicators for special populations identified through the Kentucky Health Objectives ..., as reported by the Kentucky Department for Public Health.”

CPH 646 – Special Topics in Behavioral Health: Public Health and Anthropology (3 hrs). “This seminar explores the contributions that anthropology, the academic field that focuses on the study of human culture, can make towards a better understanding of health behavior in the context of public health.... We will consider how the perspectives and tools developed in anthropology can be utilized in public health to help understand culture, both in the United States and in developing countries.” This course has a module on MCH which includes topics such as preventive child services, learning from caregivers of young children, children and medicines, care-seeking for illness in young infants in an urban slum in India, and midwifery, home births, and emergency obstetric referrals in Guatemala.

NUR 658 – Risky Behaviors and Health (3 hrs). “This course examines the epidemiological, psychological, and theoretical perspectives of risk taking behavior and its health consequences across the lifespan. Selected topics include stress, tobacco, drug, alcohol, and medication abuse, unplanned pregnancy, sexually transmitted diseases, eating disorders, occupational and sports activities, and violence across the lifespan.”

FAM 502 – Families and Children Under Stress (3 hrs). “An investigation of the stressors and crises experienced by families and the examination of family members’ adaptation and coping efforts. Special attention is given to prevention, management, and enrichment strategies. Implications for practitioners will be drawn from conceptual frameworks and recent research.”

CPH 647 – Research Methods for Health Promotion (3 hrs). “This course provides the student with basic knowledge about the design and analysis of research in the field of health promotion. The theory, design applications, and analytic strategies used for various types of research are presented in a sequential format. Goals of the course include: 1) gaining the ability to critically evaluate research in health promotion practice, 2) achieving competence in research methodology, and 3) understanding the conceptual application of analytic techniques to data.”

CPH 758 – Special Topics in Health Services Management: Health Care Access and Coverage (3 hrs). “This is a selective policy course offered to give students a greater

understanding of programs available to serve underserved populations, how the changes in the health care market impact care provided to underserved populations, and policy and programmatic options to address the needs of underserved populations.”

CPH 610 – Injury Epidemiology and Control (3 hrs). CPH 610 is a course that explores “The epidemiologic basis for understanding the distribution and determinants for injuries and poisonings, including both intentional and unintentional events. A wide variety of injury settings are discussed including home, transportation, occupational, recreational, plus violence, suicide, and homicide. The continuum of injury using pre-event, event and post-event concepts of Haddon’s matrix is also emphasized.”

CPH 758 (and FP 825) – International Public Health (and Introduction to Global Health & International Medicine) (3 hrs). “This course will acquaint students with the major issues and challenges for public health in a variety of wealthy, emerging and impoverished nations.” CPH 758 has a module in Maternal and Child Health.

CPH 653 –Public Health Law and Policy (3 hrs). “CPH 653 is an introductory course for non-lawyers in selected aspects of the law related to public health. Major attention is paid to fundamental legal principles and legal reasoning, recurring legal issues confronted by public health agencies, and the use of law to advance a public health agenda. Emphasis is placed on giving students tools to use when they encounter law-related problems in their professional careers. The course is intended for students in all divisions of the College of Public Health.” The course has a module on public health law ethics and practice as well as a module on statutory rights of vulnerable populations and reproductive health issues.

Selective Courses in Development:

Genetics and Public Health (3 hrs). Ms. Joyce Robl. “An introductory course that provide an overview of genetics and public health including basic genetic concepts, clinical genetics services, newborn screening, birth defects surveillance, potential technological advances in genetics as a result of the Human Genome Project as well as ethical, legal and social issues.

Reproductive Toxicology (3 hrs). Dr. Scott Prince. No description available.

Resources Available:

Funding to initiate this certificate program is available through a renewable block grant from the Kentucky Department for Public Health which will support the administration of the Graduate Certificate (i.e., Director at a 20% DOE). Dean Wyatt has provided an attached memo outlining that commitment.

CPH 740, (taught for the past three years as a special course in CPH), is taught by Dr. Henrietta Bada and Dr. Ken Muse who are full-time faculty of the College of Medicine. Funds are allocated from the state block grant to support the DOE portion of the course instructor’s

time. It is expected that fewer than five students will be admitted to the Graduate Certificate in Maternal and Child Health during the first semester that it will be offered.

Admission Requirements and Application Procedures for Certificate in Maternal and Child Health (MCH):

Applicants must satisfy the minimum Graduate School Requirements for admission to a Certificate (which are identical to those for enrollment as post-baccalaureate graduate student) and apply separately for the Graduate Certificate in MCH. Post-baccalaureate status is not available to non-Kentucky residents or international applicants.

Students enrolled in (or applying to) a graduate degree program or post-baccalaureate graduate students may apply for the Graduate Certificate in MCH.

Applicants for admission to the Graduate Certificate in Maternal and Child Health must be approved by the Certificate Director, who shall notify the Graduate School in writing of the student's admission.

Admission to the Graduate Certificate in MCH curriculum or award of the graduate certificate does not guarantee admission to any degree program at the University of Kentucky.

Admission to the Graduate Certificate in MCH may be limited so that the faculty and resources are not overwhelmed.

Applicants must submit the appropriate application fee to the Graduate School.

Applicants must provide to the Graduate Certificate Director a two-page essay on why the individual needs and desires a Graduate Certificate in Maternal and Child Health and a one-page biography which includes the student's educational and work experience, as an aid to the admission decision.

Students enrolled in the Graduate Certificate may not use the MCH-required Certificate Course, CPH 778 – Special Topics in Health Behavior: Introduction to Maternal and Child Health for credit in any other degree program in the College of Public Health.

Graduate Certificate in Maternal and Child Health Requirements:

The Graduate Certificate curriculum involves a total of 15 graduate credit hours including 6 hours of required courses.

All course work for the Graduate Certificate in MCH must be completed within 5 years of admission.

Graduate Certificate students must maintain a GPA of 3.0 or better to progress in the curriculum.

Award of the Graduate Certificate in Maternal and Child Health:

When a student enrolled in the UK Graduate School has successfully completed the last required course and has satisfied the GPA and grade requirements, the Director shall send a completed, signed Graduate Certificate Completion Form to the Dean of the Graduate School verifying that the student has fulfilled all requirements for the Certificate and requesting award thereof. The Graduate School shall then issue the student's certificate and officially notify the University Registrar of the awarding of the Certificate for posting to the student's permanent transcript.

Benefits:

For Students:

Enhance job opportunities in MCH.

Provide the opportunity for public health workers to obtain formal training in MCH without pursuing a terminal degree and therefore provide a more competent MCH workforce.

For The College:

Provide recognition for ongoing efforts of both faculty and students in the area of Maternal and Child Health.

Build a pilot program that will be antecedent to the creation of a concentration in MCH.

For the University of Kentucky and the Commonwealth of Kentucky:

Provide appropriate relevant educational experiences in Maternal and Child Health to enhance the health and welfare of Kentucky's children, mothers, and families.

Provide career opportunities for public health workers as MCH competent colleagues in the public health system in Kentucky.

Strengthen UK's reputation as an institution that values and actively fosters high quality, relevant education and training that serves the multi-factorial needs of the Commonwealth.

Provide a pool of appropriately trained MCH professionals some of whom may pursue terminal degrees in MCH or other aspects of public health.

Enhance the reputation of UK throughout the state and nation as graduates begin practicing MCH as part of their public health practice.

CPH 740: Introduction to Maternal & Child Health

Syllabus and Course Policies Document

Credit Hours: 3
Meets: Tuesdays, 6:00 PM to 8:30 PM, Room CN (Nursing) 502A
Prereq: Enrollment in Public Health degree program or consent of an instructor.
Call # 07045



<u>Course Instructors:</u>	Ken Muse, M.D. Associate Professor & Director, Division of Reproductive Endocrinology Department of Obstetrics & Gynecology Room C361, UK Medical Center 0293	Henrietta S. Bada-Elzey, M.D., MPH Professor and Director, Division of Neonatology Department of Pediatrics MS 477, UK Medical Center 0298
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WWW:		

Course Description: An introductory course that surveys the Public Health subspecialty of Maternal & Child Health, reviewing basic maternal & child health issues including the medical aspects of normal pregnancy and infant care; disease processes of both, including prematurity & low birth weight; factors that influence MCH, including age, race, pregnancy spacing, and nutrition; data collection and analysis regarding reproduction; and the healthcare system which delivers MCH. Throughout the course, these issues will be explored at the local, Kentucky, national, and international levels.

Course Objectives: To introduce masters and doctoral students to key maternal and child health policy, access, programs, and data concepts and issues. At the completion of the course students should be able to:

- (1) Describe maternal and child health programs, policies, and services;
- (2) Describe the distribution of maternal and child health problems in the U.S. and the world;
- (3) Assess access to maternal and child health services;
- (4) Describe and interpret indices utilized in public health to assess the adequacy of maternal and child health services;
- (5) Describe care across the maternal and child health spectrum;
- (6) Describe risk factors for maternal and child health conditions/diseases; and,

(7) Describe and assess legal/ethical issues related to maternal and child health.

Textbook: None. The following may be of interest: Kotch JB. Maternal and Child Health, second edition. 2005 Jones and Bartlett, publishers. ISBN 0-7637-3171-4

E-mail: We will be sending course materials regularly by e-mail. Please check your e-mail daily.

Accommodations: If you have a documented disability that requires academic accommodations, please see me as soon as possible during scheduled office hours. In order to receive accommodations in this course, you must provide me with a Letter of Accommodation from the Disability Resource Center (www.uky.edu/TLC/grants/uk_ed/services/drc.html). If you have not already done so, please register with the Disability Resource Center (Room 2 Alumni Gym, 257-2754, jkarnes@uky.edu) for coordination of campus disability services available to students with disabilities.

Academic Honesty: The College of Public Health and the University of Kentucky place a premium on academic honesty. Please refer to the University of Kentucky Student Rights and Responsibilities document (www.uky.edu/StudentAffairs/Code/part2.html).

Student Evaluation: There will be a mid-term (50%) and final exam (50%). Each test will be 50 multiple choice questions. Students will get an "A" grade if they get 90-100% of the answers correct, a "B" for 80-89% correct, a "C" for 70-79% correct, and an "F" for less than 70%.

Class Attendance: Please show up for class, it will hurt our feelings if you don't.

Provisionality: We reserve the right to clarify or amend these policies, in which case we will document the clarification or amendment in an e-mail memorandum.

(Tentative) Class Schedule

- | | | |
|---------|-------|---|
| Week 1: | Muse: | Introduction to Class; History of Maternal & Child Health. |
| Week 2: | Muse: | Epidemiologic measures of fertility and births, in Kentucky, USA, & Worldwide.
Birth certificates; Accuracy of information. |
| Week 3: | Muse: | Effects of family planning, contraception, & interception; medical & surgical abortion. |
| Week 4: | Muse: | Measuring maternal mortality and morbidity as indexes of MCH care. |
| Week 5: | Muse: | Teen Pregnancy; HIV & Sexually Transmitted Diseases. |
| Week 6: | Muse: | Advanced maternal age, multiple births, Apgar scores, sex ratio. |
| Week 7: | Muse: | Mid-term Exam |
| Week 8: | | Cecil: Oral Health and Maternal Child health
Bada: Prematurity and low birth weight as public health issues (future implications of intrauterine growth restriction) |
| Week 9: | | Spring Break |

- Week 9: Bada: Prenatal care: assessing adequacy and issues with access; Nutrition in Pregnancy and impact on fetal development (folic acid supplementation and congenital malformations, fetal growth and low birth weight)
- Week 10: Bada: Policies and recommendations for Newborn Screening (metabolic disorders, hemoglobinopathies, and hearing) Health behaviors during pregnancy, Substance abuse during pregnancy and impact on the fetus, newborn and child development
- Week 11: Bada: Infant mortality and Public Health (SIDS, Child Maltreatment; Maternal stress and infant behavior and health)
Pollack: Accidental injuries;
- Week 12: Bada: Ethics and legal issues (maternal-fetal conflict)
- Week 13: Shepherd: Kentucky MCH programs
Reynolds: KEIS
- Week 14: Finals Week. Exam # 2.

We will email handouts.

There will be two tests

Assignments will be given (will be part of the final grade 7.5 points for each assignment to be added to the final grade).

Schedule may be rearranged depending upon availability of guest faculty.

Brothers, Sheila C

From: Alexander, Linda A
Sent: Tuesday, April 21, 2009 10:39 AM
To: Brothers, Sheila C
Cc: Flanagan, Rebecca
Subject: FW: Grad Cert in Maternal and Child Health
Attachments: CNU 502 description 2009.doc

From: Cecil, Jim
Sent: Tuesday, April 21, 2009 10:24 AM
To: Alexander, Linda A
Subject: RE: Grad Cert in Maternal and Child Health

Linda:

NFS 516, Maternal and Child Health Nutrition, 3-credit hour course will be added to the Selective list for the Graduate Certificate in MCH on the approval of the NFS faculty. The course director is Dr. Janet Kurzynske who is waiting for the approval from her faculty before forwarding her syllabus. That vote should be quickly forthcoming.

CNU 502, Obesity: Cell to Community, 2-credit hour course is approved by Dr. Margaret Cook-Newell, course director, for inclusion in the Selective list for the Graduate Certificate in MCH. Course description from the syllabus that Dr. Cook-Newell forwarded to me: CNU 502

The emphasis of this course is on normal maternal and child nutrition. The connection between nutrition and the outcome of pregnancy will be closely studied. In addition, areas of specific nutritional need such as adolescent pregnancy, alcohol, tobacco, drug and caffeine use during pregnancy, lactation, infant feeding practices world-wide, educational needs of parents and maternal and child support systems are addressed. Attention may be paid to nutritional support to mothers and children at risk from AIDS, cancer, diabetes and other disease conditions.

I hope that the Senate could review the proposal with the added information that I have submitted in this email.

Best regards Linda and thanks so much for your help in getting this matter settled. Jim

Jim Cecil, DMD, MPH
Part-time faculty
University of Kentucky Colleges of Public Health and Dentistry
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