APPLICATION FOR NEW COURSE

1 Submitted by College of   Public Health   Date   October 5, 2005

Department/Division offering course   Health Behavior

2 Proposed designation and Bulletin description of this course

a.   Prefix and Number   CPH 660   b.   Title*   GIS Systems and Public Health ⭕
       *NOTE: If the title is longer than 24 characters (including spaces), write
       A sensible title (not exceeding 24 characters) for use on transcripts   GIS Systems & Public Health

c.   Lecture/Discussion hours per week   3   d.   Laboratory hours per week   0

e.   Studio hours per week   0   f.   Credits   3

g.   Course description

       This course will introduce students to the ArcView Geographic Information System (GIS) to map and spatially
       analyze public health data.

h.   Prerequisites (if any)

       Public Health graduate student or permission of instructor

i.   May be repeated to a maximum of   _____   (if applicable)

4. To be cross-listed as

       _____   _____
       Prefix and Number   Signature, Chairman, cross-listing department

5. Effective Date   Summer 2006   (semester and year)

6. Course to be offered   ☐ Fall   ☐ Spring   X Summer

7. Will the course be offered each year?   X   Yes   ☐   No
   (Explain if not annually)

8. Why is this course needed?

   GIS has numerous applications and provides methods of analyzing the processes that create health patterns. The
   versatility of GIS in a public health setting involve applications in health marketing, demography, epidemiology, and
   health care systems. This course provides students with information including the ethics of GIS, manipulation of
   data, sources of data, and understanding some commonly used public health datasets such as the YRBS, BRFSS,
   etc. It is a unique course that provides instruction not found in other courses in the curriculum.

9. a.   By whom will the course be
         taught?   Jeff Jones, PhD

   b.   Are facilities for teaching the course now available?   X   Yes   ☐   No
         If not, what plans have been made for providing them?

APPLICATION FOR NEW COURSE

10. What enrollment may be reasonably anticipated?   10

11. Will this course serve students in the Department primarily?   X   Yes   ☐   No

Will it be of service to a significant number of students outside the Department?   ☐   Yes   X   No
If so, explain.

Will the course serve as a University Studies Program course?   ☐   Yes   X   No

If yes, under what Area?

12. Check the category most applicable to this course

    ☐   traditional; offered in corresponding departments elsewhere;

    X   relatively new, now being widely established

    ☐   not yet to be found in many (or any) other universities

13. Is this course applicable to the requirements for at least one degree or certificate at the University of Kentucky?   ☐   Yes   X   No

14. Is this course part of a proposed new program: ☐   Yes   X   No
If yes, which?

15. Will adding this course change the degree requirements in one or more programs?*   ☐   Yes   X   No
If yes, explain the change(s) below

16. Attach a list of the major teaching objectives of the proposed course and outline and/or reference list to be used.

17. If the course is a 100-200 level course, please submit evidence (e.g., correspondence) that the Community College System has been consulted.

18. Within the Department, who should be contacted for further information about the proposed course?

Name   Jeff Jones   Phone   257-5678

*NOTE: Approval of this course will constitute approval of the program change unless other program modifications are proposed.

APPLICATION FOR NEW COURSE

Signatures of Approval: CPH Academic Affairs _R. Poole_   CPH Faculty Council _R Charney_

Richard R. Clayt
Department Chair

_10-5-05_
Date

Ford Alexander
Dean of the College

_2-27-06_
Date

_____
Date of Notice to the Faculty

*Undergraduate Council

Date

*University Studies

Date

*Graduate Council

Date

*Academic Council for the Medical Center

_3·22·06_
Date

*Senate Council (Chair)

Date of Notice to University Senate

*If applicable, as provided by the Rules of the University Senate

ACTION OTHER THAN APPROVAL

Rev 8/02

University of Kentucky
Instructor: Jeff Jones, Ph.D.
Office: UK College of Public Health
    121 Washington Avenue, Suite 109B
    Lexington, KY 40536-0003

SPH 778-020
First Summer Session 2006
Room B35, WT Young Library
Time: Monday through
    Thursday, 2pm -4:30pm
    May 9 – June 6

Office Hours: Please call to set up an appointment
Phone: 257-5678 x82087
Email: Jeff.Jones@uky.edu

SPH 778-020: Special Topics in Public Health
Geographic Information Systems and Public Health

Required Texts:

Getting to Know ArcGIS Desktop, 2001, Redlands, CA: ESRI Press. by Tim Ormsby, Eileen Napoleon, Robert Burke, Carolyn Groessl, and Laura Feaster
ISBN: 1879102897

Course Description:
This course will introduce students to the ArcView Geographic Information System (GIS) to map and spatially analyze public health data. While GIS has numerous applications for many disciplines, this course will specifically focus on its uses in public health. Beyond use of GIS for cartography, this course will also examine issues and methods of analyzing the processes creating health patterns. The versatility of GIS in a public health setting will be examined and will include exercises looking GIS applications involving health marketing, demography, epidemiology, and health care systems. Public health workers who utilize GIS in their research and work have been invited to the class to discuss their 'real world' experiences. Students will be expected to complete a research project involving GIS. It is hoped that this project will compliment or supplement their capstone. Other issues covered in the class will be the ethics of GIS, manipulation of data, sources of data, and understanding some commonly used public health datasets such as the YRBS, BRFSS, etc. The course will also provide an introduction to HTML coding to create simple websites for publishing public health information and maps on the Internet.

Course-Specific Objectives:
- Explain the role of behavioral and social science in public health. Specifically, explore the spatial components of public health.
- Discuss the relationship of women's health, health disparities, early childhood issues, and the current political climate to health in Kentucky and the US. Specifically, how to utilize the synoptic viewpoint of spatial analysis to define and explore epidemiological, administrative, legal, and behavioral aspects of health and health access.
- Describe the role that gender, race, and social class play in the utilization of health promotion resources. Specifically, how do identities manifest themselves spatially and contribute to disparities in access.
- Contrast effective techniques to measure health behavior understand the role of public health in society. Specifically, learn to utilize GIS as another tool available to the public health practitioner.
- Public policies operate within spatially bound jurisdictions. This class explores how the boundaries between differing policies (ex. the county line between wet/dry counties) and the distance effects of access points to health care (ex. distance to oncology centers) influence individual and community health.
- Explore how GIS as a tool can be used within epidemiology, health services, biostatistics, gerontology, and health behavior.

- Apply GIS to ecological modeling of health via tools to highlight patterns among diverse data.

Method of Teaching:
Lecture, discussion, and computer laboratory

Course Requirements:
   a. 5 exercises (100 points total, 20 points each)
   b. Research Project
- Atlas (60 points)
- Presentation (20 points)
- Website (20 points)

Attendance Policy:
Students are expected to attend every class meeting. No make-up examinations will be given without documentation by physician or university office authorizing absence. Make-up exams are generally essay and short answer. Examinations may be given at other times than those scheduled in extreme circumstances at the discretion of the professor in PRIOR consultation with the student. Attendance will not be formally taken. Good final grades, however, have been found to correlate highly with attendance.

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 Department of Health Behavior, 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).

Provisionality: I reserve the right to clarify or amend these policies, in which case I will document the clarification or amendment by distributing an addendum to this document.

Grading:	90-100 = A
	80-89 = B
	<80 = C

Grades are cumulative based on a total point system.

Course Outline:
The following are exam dates; adjustments may be made.
1
- Introduction
- Basics of Cartography
- Geographic/Spatial Analysis vs. Cartography
- Limits of Data
- GIS Terminology

2
- Exercise 1, Cognitive Mapping due
- Cognitive Mapping, Health Behavior, and Health Marketing
- Common Sources of Data
- Understanding These Datasets
- Costs of Setting Up a GIS System for Your Health Department or Agency
- Small Area Analysis
- Learning ArcView GIS

3
- Exercise 2, Research Project Outline and Abstract due
- Speaker: Dr. Claudia Hopenhayn and Jay Christian, Linking Health Behavior and Disease Outcomes via GIS
- Learning ArcView GIS

4
- Learning ArcView GIS

5
- Exercise 3, Initial Maps due
- GIS and Creating New Shapefiles
- Plotters and Producing Quality Maps
- Speaker: Dick Gilbreath, Tour of UK Geography Department Cartography Lab

6
- Exercise 4 due
- GIS and Environmental Health
- GIS and Chronic Disease
- Multivariate Layering
- Emergency Responders and GIS
- GIS and Time Series
- Ethics and GIS

7
- Exercise 5 due
- Introduction to HTML
- Speaker: Neal Rosenblatt, KY Cabinet For Health & Family Services

8
- HTML

9
- More Advanced HTML and GIS
- Speaker: John Williams, SQL and server-side management of GIS products

10
- Final Presentations

11
- Final Presentations

IF YOU ARE HAVING TROUBLE WITH A CONCEPT OR SOME OTHER CLASS-RELATED PROBLEM, PLEASE COME SEE ME AFTER CLASS OR AT MY OFFICE. CALLING IS FINE TOO.

Per University policy, if you will need to be absent from class for team events, family issues, or religious holidays not already covered by UK's vacation calendar, please let me know at least two weeks in advance in writing.

UNIVERSITY OF KENTUCKY
HEALTH CARE COLLEGES COUNCIL

Date March 21, 2005

MINUTES: Health Care Colleges Council

PRESIDING: Dave Watt

MEMBERS
PRESENT: Kristin Ashford, Jennifer Brueckner, Paul Bummer, Karen Butler, Susan Effgen*,
              Paul Kearney, Debbie Kelly, Robert Kuhn, Karen Novak, Bill Pfeifle, Geza Bruckner*

MEMBERS
ABSENT: Chris Herren, Janice Kuperstein, Judith Lesnaw

OTHERS
PRESENT: Jeff Jones, Jim Lindsay, Melanie Hardin-Pierce, Marcia Stanhope, Sharon Stewart,

Dave Watt called the meeting to order at 4:00 p.m.

Approval of February 21th Minutes as circulated

Submitted by the College of Public Health

Jeff Jones, in the College of Public Health, gave the Council background and an overview
of the proposal requesting New Course CPH 660 "GIS Systems and Public Health."

The reviewer was Robert Kuhn

       ACTION: It was moved by Robert Kuhn, duly seconded by Karen Novak, and
       unanimously carried, that the proposal **New Course CPH 660**, be approved, and
       forwarded to the Graduate Council for approval.

* Alternate Member

<u>Submitted by the College of Nursing</u>

Julie Sebastian, Melanie Hardin-Pierce, and Marcia Stanhope in the College of Nursing, gave the Council background and an overview of the proposal requesting a New Track: MS Track "Clinical Nurse Leader" (CNL).
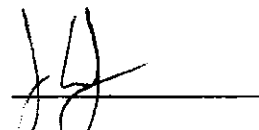
The reviewer was Karen Novak.

> DISCUSSION: Robert Kuhn brought to the Council's attention that this proposal is a pilot program and inquired if the program proposal ought to be re-visited after a three year period. The Council agreed that an amendment be added that *the program be re-visited/reviewed after three years.*

> ACTION: It was moved by Karen Novak, duly seconded by Paul Kearney, and unanimously carried, that the proposal to Request a **New Track: MS Track "Clinical Nurse Leader"**, be approved with an amendment and forwarded to the Graduate Council Office for approval.

<u>Adjournment</u>

There being no further items for discussion, the meeting was adjourned at 4:30 PM

Respectfully submitted:

Jim Lindsay
3/22/06

UK

UNIVERSITY OF KENTUCKY

College of Public Health
Office of the Dean
121 Washington Ave., Suite 112
Lexington, KY 40536-0003
(859) 257-5678 Ext. 82247
Fax: (859) 323-5698
http://www.mc.uky.edu/PublicHealth

MEMORANDUM

TO: **Health Care Colleges Council**

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

SUBJECT: **Proposal for CPH 660 GIS Systems & Public Health**

DATE: **February 27, 2006**

It is the intention of the Department of Health Behavior in the College of Public Health to formally establish a course to teach students in the MPH degree program about the usefulness of geographical systems when studying public health or establishing connections between geography and public health outcomes. Other components of the course include ethics, health marketing, demography, epidemiology, manipulating data, and understanding datasets. The course has been taught on one previous occasion, Summer 2005, and was very well received by students. It is being taught again in the Fall of 2006.

This course proposal has been 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 course director, Dr. Jeff Jones, via phone at 7-5678 ext 82087 or via email at jeff.jones@uky.edu.

UNIVERSITY SENATE REVIEW AND CONSULTATION SUMMARY SHEET   RECEIVED MAR 2 2 2006

Proposal Title: *CPH 660 GIS Systems & Public Health (College of Public Health)*
Name/email/phone for proposal contact: *Dr. Jeff Jones 7-5678 ext 82087*

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: (Chairs, Directors, Faculty Groups, Faculty Councils, Committees, etc)	Contact person Name (phone/email)	Consequences of Review:	Date of Proposal Review	Review Summary Attached? (yes or no)
Academic Affairs Committee	Rick Crosby	approved	12/6/05	yes
Faculty Council	Pam Leaster	approved	2/24/06	yes
Assoc Dean for Academic Affairs	Linda Alexander	approved	2/27/06	yes

Hinson, Kristine L

From: Lindsay, Jim D.
Sent: Wednesday, March 22, 2006 11:30 AM
To: Nikou, Roshan ; Blackwell, Jeannine
Cc: Brothers, Sheila C; Watt, David; Flanagan, Rebecca; Jones, Jeff A
Subject: HCCC Transmittal - MS in Athletic Training

March 22, 2006

TRANSMITTAL

TO: Jeannine Blackwell and Roshan Nikou
       Graduate Council

FROM: Jim Lindsay
       Health Care Colleges Council

At its meeting on March 21, 2006, the Health Care Colleges Council approved and recommends approval of the following by the Graduate Council:

College of Public Health

New Course - CPH 660

Attached are minutes and the materials to implement these requested actions.

/jl

Attachments

cc: Rebecca Flanagan
       Jeff Jones
       Dave Watt
       Sheila Brothers

Jim Lindsay
Health Care Colleges Council Coordinator
Office of the Associate Provost for Academic Affairs
University of Kentucky
BBSRB 741 S. Limestone
Lexington, KY 40536-0509
(895) 323.6638
jdlind2@email.uky.edu

3/23/2006

From:	Graduate.Council.Web.Site@www.uky.edu
Sent:	Monday, April 24, 2006 12:06 PM
To:	Nikou, Roshan
Cc:	Lyons, Marilyn
Subject:	Investigator Report

AnyForm User: www.uky.edu
AnyForm Document: http://www.rgs.uky.edu/gs/GCInvestigatorReport.html
AnyForm Server: www.uky.edu (/www/htdocs/AnyFormTurbo/AnyForm.php)

College/Department/Unit: = NUR 604
Category:_   = Change
Date_for_Council_Review: =
Recommendation_is:_ = Approve
Consent_Agenda: = YES
Investigator: = W. W. Witt
E-mail_Address = wwitt@uky.edu
1__Modifications: = This course was changed from a 3 credit to a 2 or 3
credit course to allow students in Clinical Nurse Leader(CNL) pilot program
to receive 2 credits.   This seems to be a straightforward change that will
be beneficial to students in the CNL program.   Students receiving 2 credits
will complete 4 of the 6 modules in the class while those receiving 3
credits will complete all 6 modules.
2__Considerations: =
3__Contacts: = Dr. Julie Sebastian and I have played phone tag for
several days--both of us were out of office a lot.   I have emailed her
today (she is out of town) but have not heard from her.
4__Additional_Information: =   I believe this change is worthy and should
be approved.   My attempts to contact her were to confirm the need for this
course.

- -

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