

MEZCOPH EDUCATION COMMITTEE
“FINAL” MEETING MINUTES
JUNE 10 & 24, 2009

June 10, 2009 Meeting:

Members Present: Mary Kay O’Rourke – Chair, Kacey Ernst, Joe Gerald, Robin Harris, Doug Taren, Nicky Teufel-Shone, Lisa Staten, Denise Roe, Chris Tisch, Nicole Wright, Alan Beaudrie, Becky Corran, Kathleen Crist, and Judy Goosherst

1. **Minutes Approval:**

May 6, 2009 Meeting Minutes:

A motion was made and seconded to approve the May 6, 2009 minutes with the following amendments:

g. MPH in Public Health Practice:

- **It has been suggested by the Dean, that** advisors will be from all concentrations throughout the College.

The motion passed by a vote of 8-0. Kathleen Crist will post the final copy of the May 6, 2009 minutes to the Wiki and Intranet websites.*

2. **Announcements & Immediate Business:**

a. Course Schedules – Scheduling Times and Classrooms: (Doug Taren)

Doug announced that there have been occasions where the Education Committee has approved a new course time, however there have been conflicts with scheduling an available classroom during the approved time. It was therefore determined by the committee, that the course instructor and section chair should notify the Education Committee by email regarding the classroom scheduling conflict and the proposed new course time.

b. Independent Studies: (Doug Taren)

Doug reported that the College needs to begin assigning all independent study courses to a supervising faculty member. In the past, this has not always been the case. Regarding the CPH 909 Internship (Master’s Report), each faculty member will be assigned their own internship section number, in order to receive teaching load credit. MEZCOPH Student Services will oversee assigning of the grades for CPH 909 in Webroster. Doug will be looking into how to this can be done.

3. **Academic Program Reports/Updates:**

a. Admissions Update: (Becky Corran)

Becky distributed a handout and updated the committee regarding MEZCOPH Fall 2009 applicants and admission statistics as of June 10, 2009 (see Attachment 1). The committee requested a “pending applications” column be added to the Fall 2009 applicant statistics table.*

b. Public Health Certificate Program: (Becky Corran and Chris Tisch)

Chris and Becky initiated discussion regarding the PH Certificate program. Certificate students do not have to inform MEZCOPH of admission acceptance until July 1, 2009. Christ stated that the PH

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Certificate program is an enormous amount of work, and the Outreach College does not seem to be vested in College certificate programs.

c. Policy on Summer Enrollment for Internships: (*Chris Tisch*)

Chris initiated discussion regarding the draft MEZCOPH Academic Policy for Summer Internship Registration Requirements (*see Attachment 2*). Chris had previously met with the University's Attorney's Office and Risk Management regarding the draft policy. After review and discussion, the committee recommended inviting Dr. Zhao Chen to a future Education Committee in order to determine how the internship preparation course, CPH 596N, is affecting Internships.* *A motion was made and seconded to approve the MEZCOPH Summer Internship Registration Requirements Academic Policy. The motion was approved by a vote of 8-0.*

d. Annual Work Plan & Section Reports: Template/Outline (*Mary Kay O'Rourke*)

Mary Kay presented a template/outline of suggested components for MEZCOPH Annual Section Work Plans and Reports. She asked the committee to review the template and determine if they felt it would be useful for their annual section report and work plans (*see Attachment 3*). The committee stated that the annual report template was essentially bean counting while the work plan template might prove useful.

e. MEZCOPH Academic Program Review: Timeline and Preparation (*Doug Taren*)

Doug initiated discussion regarding the timeline and preparation for the upcoming MEZCOPH Academic Program Review (*see Attachment 4*). Doug stated that the Committee needs to begin thinking about which Schools of Public Health would be notable reviewers. Doug stated that the “Unit Head” needs to be clarified. It may be Doug (Associate Dean for Academics); or it may be the division head of a MEZCOPH program. Doug asked committee members whether MEZCOPH should request that the University review only one of our degree programs and not the entire College. It was determined that a timeline will be set up regarding “who” will accomplish “what” for the academic program review, which will begin in September, 2009. Doug stated he will be speaking with Iman regarding the details and preparation for the upcoming academic program review. This preparation will set the College up for future accreditation. Doug will be forming a MEZCOPH Academic Program review committee and will be sending an email to the committee in July.*

f. Tenure Equivalency Criteria (*Doug Taren*)

Doug initiated discussion regarding tenure equivalency criteria for graduate dissertations and exam committee memberships (*see Attachment 5*). Doug explained that some MEZCOPH faculty members are non-tenure eligible, however they can be given “tenure equivalency” eligibility in order to chair dissertation committees and serve as a regular faculty member on graduate committees. Doug asked committee members to recommend a procedure for vetting applications for tenure-track equivalent faculty. The Graduate College's procedure is to ask the home academic college associate dean to vet applications. However, Doug requested that the Education Committee recommend a tenure equivalency criteria for graduate dissertations and exams vetting procedure to the MEZCOPH Promotion and Tenure Committee, in order to determine an oversight policy. After committee review and discussion, *a motion was made and seconded that the recommended procedure for vetting MEZCOPH applications for tenure-track equivalency criteria will be 1) review at section level for one-time situations or 5-year service requests. 2) A letter/request from section is sent to*

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Doug Taren; 3) Doug reviews for approval; 4) Request from MEZCOPH sent to the Graduate College for final approval. The motion was approved by a vote of 7-0. *

4. **Old Business:**

a. **Curriculum Review “Public Health Practice” – Phoenix Program** (Doug Taren)

Doug initiated discussion regarding the MPH program in Phoenix. Doug stated that he is not asking for curriculum approval at this time; however it is important that MEZCOPH strengthen its presence in Phoenix, as soon as possible, so that people are aware that they can take some of our classes now and apply to our program this year. Doug stated that the College will not have a MPH program in Phoenix until we are ready academically and financially. The MPH program in Phoenix needs to be competency driven, and have at least 10 new students in the program each year. Doug has been working with Linda Tumellie and has put together two budget scenarios for the MPH program in Phoenix. He will be meeting with Iman and the Dean’s Council for administrative level approval next week. Doug stated that the program will be administered and revenues generated through the Outreach College. Doug will be working with the original Phoenix Workgroup Committee members regarding development and implementation of the MPH in Public Health Practice program in Phoenix. Doug will present the workgroup’s recommendations and final budget to the Education Committee for a vote in the next few weeks. The Education Committee will need to approve the final academic curriculum by August 2009.* Becky Corran raised the issue that there needs to be clarification regarding which concentration track will be entered into SOPHAS for this new program for fall 2010. Doug recommended that for now it be designated as a single concentration, Public Health Practice.

b. **Course Proposal Revisits:**

i. **PHPM New Course Request: CPH 5XX, Rural Health Mgmt. & Policy Service Learning**

Instructors: Gary Hart and Alison Hughes, proposed to be effective fall 2009, (Doug Taren): The new course approval forms and syllabus for CPH 5XX , Rural Health Mgmt. & Policy Service Learning Institute were reviewed for a second time. (1st review at May 6, 2009 Education Committee Meeting). After committee review and discussion, the following changes were noted:

- The committee stated that the course should not be called a “Service Learning Institute” as it does not accurately reflect the course. They strongly recommend that it be titled “**Rural Health Management and Policy Practicum.**”
- Instructors need to explicitly state in the syllabus that the students have to meet with the faculty member before going out the practicum site. This meeting should address what they will do, learning objectives, the focus for their paper, etc.
- The committee is concerned about the course requirements compared with the other 1-unit field courses that we have in the college. Thus, the recommendation to resolve this issue includes:
 1. Slightly modify the point and put a bit more emphasis (30-40 points) on the paper and less on just showing up.
 2. Require the students to develop a reading list before they start the practicum project so they have knowledge about what they are doing before they go into the field. They

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can then use this reading list as references for their paper. This will add the academic portion that is needed for the practicum.

A motion was made and seconded to approve the proposed new PHPM course, CPH 5XX, with the changes noted above.* The motion was approved by a vote of 7-0. Doug will inform Gary and Alison regarding the Education Committee's recommended changes required for course approval.

ii. **EPID Request for Course Time Change:**

EPID 652, Grantsmanship for a Winning Proposal:

Instructor, Lynn Gerald (proposed to be effective Spring 2010)

(Nicky Teufel-Shone and Denise Roe-course conflicts and change justification):

The course time change for CPH/EPI 652 Grantsmanship for a Winning Proposal

Currently Offered: Spring Tuesday 3:30pm to 5:30pm (Spring semesters)

Request to Move to: Spring Tuesday 11:30pm to 1:30pm (Spring semesters)

CPH Conflicts:

CPH 518: Introduction to Human Health Risk Assessment

CPH 533: Global Health

CPH 616: Public Health & Rural Policy Analysis

CPH 641: Advanced Health Care Administration

CPH 645: Nutritional Epidemiology

CPH 648: Analysis of High Dimensional Data

CPH 653: Applied Exposure Assessment

The only required courses for students in the DrPH or PhD programs that conflict with this change are CPH616.

After committee review and discussion, a motion was made and seconded to approve the requested new course time for EPID/CPH 652. The motion was approved by a vote of 6-0, 1 abstention.*

c. **Undergraduate Degree Program:** (Joe Gerald)

i. **Section Participation – Public Health Undergraduate Committee:**

Joe reported that a Public Health Undergraduate Committee has not been formed at this time. He has been working directly with the section chairs regarding issues related to the undergraduate program.

ii. **Internship Supervision by DrPH TA:**

Joe initiated discussion regarding who should supervise undergraduate internships. Joe suggested putting the responsibility of grading the undergraduate internships on the preceptor (Superior, Pass, Fail grading). Another possibility would be to have a graduate student T.A. supervise the undergraduate internships; however what experience would they need? Do we have the funding to pay teaching assistants to supervise these internships? Joe stated that we also need a procedure for “vetting” undergraduate internship sites. In addition, who will

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review the student’s internship reports? What process do we want to use to simplify the internship process? After committee discussion, it was determined that Joe Gerald would assemble a committee regarding undergraduate internship procedures and bring a formal policy back to the Education Committee for review.*

iii. Admission and Retention Policies:

Joe reviewed the following BSPH admissions policies: (see Attachment 6).

Issues:

1. Delayed admission- students are currently waiting until the last minute to apply to the program
 - a. Difficult to track early student process/outcomes
 - b. Lower numbers of students in the major
 - c. Difficult to deny admission when successfully completed all CPH course-work but have GPA less than admission requirements
2. Formalized admission may deter students to apply and lower the number of students who are actually taking our courses.

Proposal for discussion:

1. Allow self-selection into the major without formal admission requirements
2. Disestablish the pre-Health major
3. Formalize graduation/retention requirements
 - a. GPA
 - b. C or better performance in CPH courses

Joe asked the committee to think about these issues and proposals (pros and cons). A formal recommendation/policy will be discussed at the September Education Committee Meeting.*

d. 2009-2010 Section Catalog/Handbook Changes: (Section Chairs)

Biostatistics: MPH and PhD: (Denise Roe)

Denise Roe presented the Biostatistics section’s 2009-2010 MPH and PhD catalog changes (see Attachment 7) and request for changes in prerequisites for EPID/CPH 647 & 648:

Current Prerequisites:

EPID/CPH 647 (Analysis of Categorical Data)

Prerequisite(s): EPID 576A, EPID 576B; one year of college calculus or consent of instructor.

EPID/CPH 648 (Analysis of High Dimensional Data):

Prerequisite(s): EPID 576A, EPID 576B; one year of college calculus, a course in matrix algebra, or consent of instructor

Proposed Prerequisites:

EPID/CPH 647 (Analysis of Categorical Data)

Prerequisite(s): EPID 576A and EPID 576B or consent of instructor.

EPID/CPH 648 (Analysis of High Dimensional Data):

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Prerequisite(s): EPID 576A and EPID 576B or consent of instructor

After committee review and discussion, a motion was made and seconded to approve the Biostatistics 2009-2010 catalog changes and the request for changes in prerequisites for EPID/CPH 647 & 648. The motion was approved by a vote of 8-0.

EOH - MPH, MS/PhD & Minor: (Mary Kay O'Rourke)

Mary Kay presented the EOH section's 2009-2010 MPH catalog and handbook changes (see Attachment 8). After committee review and discussion of the EOH section's proposed changes, it was determined that the PhD Qualifying Exam section would be removed from the 2009-2010 student handbook. A motion was made and seconded to approve the EOH section's 2009-2010 proposed catalog and handbook changes with the minor change noted above. The motion was approved by a vote of 7-0, with 1 abstention.

There was also discussion and review of the EOH section's request to change the section name from EOH (Environmental and Occupational Health) to EHS (**Environmental Health Sciences**):

Section Name Change Rationale:
EOH is an antiquated name. We have resisted changing the name until the MS/PhD program was approved by ABOR.
We propose changing the section name to “ Environmental Health Sciences ”
<u>Degree names:</u>
PhD & MS in “Environmental Health Sciences”
MPH in “Environmental and Occupational Health”
PhD minor in “Environmental Health Sciences”

After committee review and discussion, a motion was made and seconded to approve the request to change the section name to: “Environmental Health Sciences”. The motion was approved by a vote of 8-0.

Mary Kay reported that there was a mistake in the MS/PhD in Environmental Health Sciences Degree Program implementation proposal regarding the PhD minor name. The minor name was listed incorrectly as Environmental and Occupational Health; however the PhD minor name should be corrected and listed as “**Environmental Health Sciences**”. Doug and Mary Kay will contact Diane Horgan regarding the minor name correction/clarification.

There was also a brief discussion regarding where to list affiliate faculty within the MEZCOPH catalog and section materials. It was determined that this issue needs to be decided at the administrative level.*

- e. Proposed MBA/MPH Dual Degree: (Doug Taren) (see Attachment 9)
Committee review and approval of the MBA/MPH Dual Degree proposal will be determined by an email vote. Doug Taren will prompt Education Committee members for comments and votes before the next meeting Education Committee meeting in August.*

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The meeting adjourned at 12:05 p.m. It was determined that there would be a *special* Education Committee Meeting for the sole purpose of finishing the review of the 2009-2010 Section Catalog/Handbook Changes. The meeting will be scheduled for **June 24, 2009** from 9:00 a.m. – 11:00 a.m. in A326.

June 24, 2009 Meeting

Members Present: Mary Kay O'Rourke – Chair, Joe Gerald, Doug Taren, Nicky Teufel-Shone, Denise Roe, Chris Tisch, Nicole Wright, Becky Corran, Kathleen Crist, and Judy Goosherst

Voting Members Absent: Robin Harris and Lisa Staten

1. **Review of 2009-2010 Section Catalog/Handbook Changes** (continued from 6/10/09): (*Section Chairs*)

a. **Epidemiology:**

The Epidemiology section's 2009-2010 MPH and PhD catalog changes were reviewed by the committee (see Attachment 10). A motion was made and seconded to approve the Epidemiology section's 2009-2010 proposed catalog and handbook changes. The motion was approved by a vote of 6-0.

There was also a brief discussion regarding EPID/CPH 652, Grantsmanship for a Winning Proposal. It was noted that if this 2 unit course increases to a 3 units, it would affect the total units for the MS in Epidemiology – Clinical Epidemiology Track. There was also discussion regarding the content of this course. Nicky Teufel-Shone raised the question, is EPID 652's content the same as CPH 628, Public Health Research and Evaluation taught by Nicky and Chris Cutshaw? Doug Taren suggested that Nicky, Chris and Lynn Gerald meet to discuss content of these two courses and determine where MEZCOPH students will learn grantmanship skills. In addition, Doug Taren will also check to determine if Stefano Guerra, MD, PhD has an appointment with MEZCOPH and should be listed under Epidemiology faculty members

b. **Family and Child Health** (Nicky Teufel-Shone)

Nicky presented the FCH section's 2009-2010 MPH catalog and handbook changes (see Attachment 11). Nicky stated that the International Track Name has been changed to the “Global Health” track. In addition, CPH 606 Changing Health Policy: Cultural Understanding & Epi Analysis is now a required course to be taken in the Fall semester of the second year of the MPH in FCH. There was also discussion regarding the DrPH in Maternal and Child Health. Nicky raised the issue that if there is a DrPH seminar and a MCH seminar, the College would lose faculty by having two seminars. However, the DrPH students need their own seminar. In addition, Nicky noted that in the past, the MPH Global Health Track students have not been required to take a unit of seminar (one unit is required for the MCH track students). This would increase the total credit requirement for the Global Health Track to 47 units. Nicky will email her section faculty to get approval for the inclusion and increase of 1 seminar unit for FCH – Global Health Track students. (It was determined that effective fall 2009, the MPH FCH section students will attend the College-wide seminar on the first and third Wed. of the month, and the DrPH students will be required to attend the College-wide seminars, in addition to their own seminar on the 2nd and 4th Wed. of the month). The committee also noted that under the faculty member listing for the MPH concentration, Iman Hakim and Lynn Gerald's degree titles needed

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to be corrected to read: Iman Hakim, MBBCh, PhD, MPH and Lynn Gerald, PhD, MSPH. A motion was made and seconded to approve the Family and Child Health section's 2009-2010 proposed catalog and handbook changes (pending approval by FCH section faculty of the one unit increase in required seminar unit for the Global Health Track. The motion was approved by a vote of 6-0.

Nicky also presented the Family and Child Health's internship report section format and guidelines for committee review. Nicky stated that the page length of section 2 of the internship report had been decreased to between 25 and 30 double-spaced pages. A motion was made and seconded to approve the Family and Child Health internship report section format and guidelines. The motion was approved by a vote of 6-0.

In addition, Nicky Teufel-Shone initiated discussion regarding the MCH section's recommended DrPH Qualifying Exam changes and updates, for inclusion into the DrPH Qualifying Exam section of the 2009-2010 DrPH student handbook. Suggestions and comments from committee members:

- We need to identify the students who can sufficiently integrate information, in order to be enrolled in a DrPH degree program.
- Look at the U of A definition of a Qualifying Exam
- The exam can be taken after the completion of the five, 3 credit core DrPH courses; take out some of the required courses mentioned in QE paragraph description.

After committee discussion and review, it was determined that the recommended DrPH Qualifying Exam changes and updates will get final approval when the 2009-2010 DrPH curriculum is reviewed and approved by the Education Committee.

c. **B.S. Public Health Curriculum:** (*Joe Gerald*)

Joe presented the new Bachelor of Science in Public Health undergraduate curriculum for inclusion into the 2009-2010 catalog (see Attachment 12). After committee review and discussion, a motion was made and seconded to approve the Bachelor of Science in Public Health curriculum for the 2009-2010 catalog. The motion was approved by a vote of 6-0.

d. **DrPh Curriculum Changes:** (*Doug Taren*)

Doug Taren reported that the DrPH curriculum changes for the 2009-2010 catalog are still being decided upon by the FCH and PHMP faculty. The core DrPH curriculum has been determined; however the required DrPH courses from the PHPM and MCH sections still need to be identified. Therefore, the Education Committee will need to address the DrPH curriculum changes for inclusion into the 2009-2010 catalog via an email vote.* Doug will be sending the proposed final DrPH curriculum to the committee by July 1, 2009 for voting approval by July 10, 2009 (see Attachment 13).

e. **Public Health Policy and Management Curriculum:** (*Doug Taren*)

Doug reported that the PHPM section currently does not have any MPH curriculum changes for the 2009-2010 catalog and handbook.

The meeting adjourned at 11:00 a.m. The next Education Committee Meeting is scheduled for August 5, 2009 from 9:00 a.m. – 12:00 p.m. in Drachman Hall, Room A326.

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Changes or corrections to the minutes should be submitted to: Kathleen Crist, Program Coordinator, Sr.

***Action Items:**

- Post the final May 6, 2009 Education Committee Meeting Minutes to the Wiki website and the Education Committee Intranet site (*Kathleen Crist*)
- Add a “pending applications” column to the MEZCOPH applicant statistics table. (*Becky Corran*)
- Invite Zhao Chen to a future Education Committee Meeting in order to determine how the internship preparation course, CPH 596N, is affecting internships. (*Doug Taren*)
- Submit the recommended Education Committee vetting procedure and oversight policy for tenure equivalency criteria for graduate dissertations and exams to the MEZCOPH Promotion and Tenure Committee (*Doug Taren*)
- Present the MPH in Public Health Practice workgroup’s implementation recommendations and final budget to the Education Committee for final approval at the **August 5, 2009** meeting. (*Doug Taren*)
- Route Gary Hart’s and Alison Hughes’s newly approved course, CPH 5XX, Rural Health Policy and Management Practicum, through the University’s form link curriculum system for approval and add this course to the Fall 2009 Schedule of Classes (*Kathleen Crist*)
- Assemble a committee to develop undergraduate internship procedures and bring formal policies back to the Education Committee for review and approval at the **September 2, 2009** meeting. (*Joe Gerald*)
- Discuss and recommend formal admission and retention policies regarding the Bachelor of Science in Public Health at the **September 2, 2009** meeting (*Joe Gerald and Education Committee Members*)
- Incorporate approved MEZCOPH degree program curriculum changes and updates into the 2009-2010 MEZCOPH Academic Catalog and website (*Kathleen Crist*)
- Incorporate approved MEZCOPH program changes and updates into the 2009-2010 MEZCOPH Student Handbooks (*Chris Tisch and Members of the Office of Student Services*)
- Discuss at the administrative level where to list affiliate faculty within the MEZCOPH catalog and section materials. (*Doug Taren*)
- Query Education Committee members by email for comments and votes regarding approval of the MBA/MPH Dual Degree proposal. Final approval will be requested at the **August 5, 2009** Education Committee Meeting. (*Doug Taren*)
- Query Education Committee members by email for comments and votes regarding approval of the DrPH in Public Health 2009-2010 curriculum changes and updates. Final approval will be requested at the **August 5, 2009** Education Committee Meeting. (*Doug Taren*)
- Carry forward agenda items not discussed to the August 5, 2009 Education Committee Agenda (*Doug Taren and Kathleen Crist*)

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“Attachment 1”

MEZCOPH Applicants Fall 2009 6.10.2009	Reviewed Apps	Admitted by MEZCOPH	New apps to be reviewed/ Waitlisted	Denied	Accepted Offer	Declined Offer	Deferred 2008, Enrolling 2009	Defer till Spring 2009	Defer till Fall 2010
MPH									
Biostatistics	15	12		3	4	2	1		
Environmental & Occupational Health	15	12		3	6	3			3
Epidemiology	74	56		18	10	16		2	
Epi/LAS Dual Degree	1	0							
Family & Child Health-International	35	30		5	5	10	1		
Family & Child Health-MCH	16	14		2	4	7			
FCH/LAS Dual Degree	4	4			1	1			
Health Behavior & Health Promotion	67	51	2	14	16	20			1
HBHP/LAS Dual Degree	1	1			1				
Public Health Policy & Management	43	34		9	16	9	1		
MAS or LAS Dual Degree	3	2		1	1	1			
MD/MPH Dual Degree*	1		1						
TOTAL MPH	275	216	3	55	64	69	3		
MS Epidemiology	7	6			1	4			
PhD Epidemiology	28	10		18	3	5			
TOTAL EPI PROGRAM	35	16	0	18	4	9			
PhD Biostatistics	17	7	3	7	1	3			
DrPH Maternal and Child Health	15	8		7	6				
DrPH Public Health Policy & Management	7	4		3	4		1		
TOTAL DrPH	22	12		10	10		1		
MEZCOPH DEGREE SEEKING APPLICANTS	349	251	6	90	79	81	4	2	4
Graduate Certificate in Public Health	49	40		9	22	0			
TOTAL APPLICANTS FALL 2009	398	291	6	99	101	81	4	2	4

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“Attachment 2”

MEZCOPH Academic Policy

Summer Internship Registration Requirements

College of Public Health students are required to register for a minimum of one unit of internship during each summer session that they are completing internship tasks of any kind. In addition to establishing an accurate record on the student's transcript of internship involvement, enrollment in the internship unit(s) ensures validation that the individual is a student in a University of Arizona course and therefore provides liability coverage to the student, college and university for work performed in the course and scope of the internship project.

Undergraduate public health students who have previously registered for CPH 493 Internship units during the spring semester and have received an 'I' grade (signifying the work is incomplete) for those units are not required to register for summer units while they continue to work on their internships.

MPH students who have previously registered for CPH 909 Master's Report (the MPH internship and internship report) units during the spring semester and have received a 'K' grade (which signifies that the work is continuing) for those units, are not required to register for summer units while they continue to work on their internships unless they intend to graduate in August. Similarly, MPH students who have registered for one unit of CPH 909 in Summer Session 1 and receive a 'K' grade for that unit are not required to register for an additional unit of CPH 909 in Summer Session 2 as their internship work continues. MPH students who complete all degree requirements in the summer and intend to graduate in August must be registered for at least one unit in a summer semester in order to comply with Graduate College policies.

If a student is employed by the University of Arizona during the summer months and the purpose of the employment is for the student to complete tasks or duties that are outlined in the student's Internship Plan, the student is not required to register for units in the summer semesters. (This is not a common scenario.)

This policy does not eliminate the need for students to register for and complete the required number of internship units stipulated in their degree program curriculum.

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“Attachment 3”

Suggested Components of a Section Annual Work Plan for the Coming Academic Year

1. Evaluation of past year recruitment/application/matriculation by program. Identify actions to address low numbers and enhance minority recruitment of students.
 - Recruitment issues
 - Plans for Active Recruitment trips (coordinate with Student Services)
 - Plans for Web page development/modification
 - Submission of Training grant funding to increase enrollment
 - Reassessment of curriculum to attract students
 - Evaluate recruitment and curriculum for minority outreach
 - Admissions
 - Review Admissions Criteria
 - Orientation Material Review
 - Catalog/website
 - Handbook(s)/Manuals
 - Advising worksheets
2. Program Review Plans
 - Review/Revise Program Competencies keeping pace with changes in the discipline
 - Map Course activities to identified Program competencies for each program
 - Evaluate/update program competencies
 - Determine whether changes can be made to courses or activities that will improve the program specific student competency
 - Realign course content and activities as needed
 - Review of Course Offerings and Faculty Assignments
 - Make sure all courses needed to address competencies are offered
 - Make sure appropriate faculty are available to teach all scheduled courses
 - Identify any new needed courses and submit appropriate, complete new course paperwork to the Education committee in a scheduled, timely manner
 - Evaluate the need for additional expertise or additional faculty to deliver appropriate coursework; Integrate with strategic plan of the section
3. Section Strategic Plan (by program?)
 - Growth/Sustainability & Timelines
 - Student per program
 - Student/Faculty Ratio
 - Program Focus toward Excellence
 - Define Theme/direction
4. Student Involvement
 - Representation at meetings and on committees
 - Student/Faculty Events
 - Clubs
5. Resources
 - Review/Optimize
 - Space/Labs
 - Personnel
6. Submissions for the Education Committee
 - Program proposals; Reviews; Permission to plan; Implementation plans
 - Educational Materials (Forms, plans, handbooks, outreach, recruitment materials)
 - New course submissions/revisions/modifications
 - Course removal; Time changes

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Proposed Outline of Annual Section Report (year past) to the Education Committee
Summary Status for 200X-200Y

Students					Faculty/Courses	
	MPH	DrPH	MS	PhD	Section Chair	
Applications					Number of Faculty	Total =
Admitted (Fall)					Assistant X	
Matriculated(Fall)					Associate Y	
Continuing (Fall)					Professor Z	
Transferred (yr)					Faculty loss	number
Graduated (yr)					Ongoing Searches	number
Loss (yr)					Faculty on Sabbatical	number
Conc. Change						
Dropped					Courses	
Academic					New Proposed (yr)	
					Active (year specific)	
Thesis Only (yr)					Inactive (withdraw?)	
DissertaOnly (yr)					Existing Courses	
					Undergrad excl.	Number of courses
Defenses (yr)					4xx/5xx	Number of courses
Internship Pres.					6xx	Number of courses
					Faculty/Student interaction events (≥ 1 hr)	Number
					Section meetings	Number
Program Discussions					Faculty attending (comma delimited #)	
Competency					Retreats & Attend.	
Internships						
Research						
Course (Who)					Strength Recognition	Number
Course (Content)					Weak Issue Addressed	Number

Program strengths, weaknesses, proposed resolution and effectiveness.

Pgm	Strength/Weakness	Maintenance/Resolution Approach	Eff.*
MPH	S:		
	W:		
MS			
PhD			

*1=resolved/no further action; 2= improved/give it more time; 3 = improved/additional action required; 4=no improvement/give it time; 5=no improvement/change approach; O = Other—define

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“Attachment 4”

APPENDIX A ACADEMIC PROGRAM REVIEW TASK GUIDELINE

<u>Who</u>	<u>What</u>	<u>When (Deadline)</u>
<u>Unit Head</u>		
	Attends APR kickoff	September
	Submits recommendations of self-study committee members to dean	September
	Ensures progress on self-study report (SSR)	September - October
	Blocks a couple of sets of dates on Provost calendar	September - October
	Contacts list of 14 members and blocks dates with them	September - October
	Identifies and contacts 14 nominees for the review committee	September - October
	Forwards list of 14 willing nominees to dean's office	Early November
	Forwards SSR the dean	No later than mid-December
	Confirms dates for visit, orientation meeting, and final meeting with the Provost's Office	No later than mid-January
	Sends draft site visit itinerary to the vice provost for review	One month before the visit
	Sends final itinerary to the vice provost and to review committee	Three weeks before the visit
	SITE VISIT	Preferably, no later than the end of April
	Attends final meeting with the dean, vice provost, and provost	
<u>Dean</u>		
	Appoints self-study committee	September
	Approves 14 review team nominees and forwards list to the vice provost	November
	Forwards 1 copy of draft SSR to the vice provost	Early January
	Sends 3 copies of the final version of SSR and materials to the vice provost & one copy to each to each review committee member	One month before the visit
	Attends final meeting with the unit head, vice provost and provost report	Shortly after receiving review committee
<u>Vice Provost for Academic Affairs</u>		
	Meets with unit for initial planning when requested by unit	Early- to mid-September
	Reviews list of review team nominees	Mid-November
	Notifies the department of provost's selection for review committee	Mid-December
	Forwards feedback on the draft itinerary to the unit	Shortly after receiving itinerary
	Distributes review committee report to unit, dean, and provost report	Shortly after receiving review committee
	Attends final meeting with the unit head, dean, and provost report	Shortly after receiving review committee
	Completes final report for ABOR	
<u>Executive Vice President and Provost</u>		
	Selects the 7 members of the review committee	Early December
	Sends invitation letter to the review committee	Mid-January
	Meets with review committee on last day of site visit	Preferably, no later than the end of April
	Holds final meeting with unit head, dean and vice provost	
	Concludes academic program review process after receiving commentary from the unit head and/or dean	
<u>Office of Academic Affairs</u>		
	Provides consulting to units in the preparation of self-studies	Fall term
	Reviews and forwards feedback on draft SSR to the unit	Shortly after receiving report
	Prepares summary for final meeting with Provost meeting	No later than one week prior to the final

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“Attachment 5”

Tenure Equivalency Criteria

As you know, the Graduate College has been trying to make our dissertation and comprehensive committee membership rules more flexible. All tenure track faculty are considered regular members. But because we have some non-tenure track faculty who serve in equivalent roles, we created a category 'tenure-track equivalent'. For example, we have continuing faculty in Agriculture who hold faculty rank, go through a continuance review that is parallel to the tenure process, and whose contracts specify that they are to mentor doctoral students. These faculty are among our best researchers and are equivalent to those we hire into tenure-track positions. Our procedure is to ask the home academic college associate dean to vet applications for tenure-track equivalent faculty.

The criteria are:

- o The person's credentials are on a par with our regular tenure-track faculty in that program
- o The person holds academic rank
- o The person has continuing, paid status at U A

If we approve as tenure-track equivalent, s/he will be able to chair dissertation committees and serve as a regular faculty member on graduate committees. If we do not approve as tenure-track equivalent, s/he may serve on committees as a special member. This means s/he could not be the sole chair. Further we limit the number of special members on a committee.

Procedure:

Our procedure is to ask the home academic college associate dean to vet applications for tenure-track equivalent faculty. Please prepare a short memo to Dean Horgan.

Dean Horgan will then pass the request on to your college associate dean. If we approve him/her as tenure-track equivalent, he/she will be able to chair dissertation committees and serve as a regular faculty member on graduate committees. If we do not approve him/her as tenure-track equivalent, he/she may serve on committees as a special member. This means he/she could not be the sole chair. Further we limit the number of special members on a committee.

Kathryn Moser Degree Auditor
Graduate Degree Certification Administration 316
PO Box 210066
Tucson, AZ 85721-0066 (520) 621-3484 kmoser@grad.arizona.edu
3/26/2009

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“Attachment 6”

BSPH Admissions Policies

Approved Admission Policies (New Program Proposal):

1. Complete requirements for pre-Health major with GPA of 2.5 or greater.

Approved Retention Policies:

1. None

Prior Admission Policies (pre-Health major):

1. Complete requirements for pre-Health major with GPA of 2.25 or greater.
2. Complete application.
3. Provide resume.
4. Provide personal statement of objectives and career plan.
5. Provide 2 letters of reference

Prior Retention Policies:

1. Maintain 2.0 GPA and C or better in major coursework except for Gen Ed classes

Issues:

3. Delayed admission- students are currently waiting until the last minute to apply to the program
 - a. Difficult to track early student process/outcomes
 - b. Lower numbers of students in the major
 - c. Difficult to deny admission when successfully completed all CPH course-work but have GPA less than admission requirements
4. Formalized admission may deter students to apply and lower the number of students who are actually taking our courses.

Proposal for discussion:

4. Allow self-selection into the major without formal admission requirements
5. Disestablish the pre-Health major
6. Formalize graduation/retention requirements
 - a. GPA
 - b. C or better performance in CPH courses

Marketing Strategy:

1. Pre-professions/pre-graduate audience
 - a. Physiology
 - b. Pre-Nursing
 - c. Soph/Junior/Senior level student
2. Undergraduate major
 - a. High school students
 - b. Freshman orientation

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“Attachment 7”

Biostatistics

Faculty: Denise Roe, DrPH – Section Chair; Angelika Gruessner, PhD; Paul Hsu, PhD; Chengcheng Hu, PhD; Bonnie LaFleur, PhD, MPH; Duane Sherrill, PhD.

The MPH program in Biostatistics is offered by the Division of Epidemiology and Biostatistics. The educational objective of the MPH degree in Biostatistics is to prepare individuals to work effectively as biostatisticians in a variety of public health, epidemiological and clinical research settings. Candidates for admission may come from medical and public health backgrounds. Applicants should possess 1) a demonstrated interest and/or experience in the area of statistics, 2) in the case of a deficient overall GPA, evidence that recent performance significantly exceeds the past average, and 3) evidence of personal qualities that suggest the ability to commit and succeed in the course of studies. While courses in statistics are not required as prerequisites, students should have had college level calculus and/or linear algebra.

Total Minimum Credit Requirement = 45 units

Required Core Courses (16 units)

CPH 573A	Basic Principles of Epidemiology (3)
CPH 574	Public Health Policy and Management (3)
CPH 575	Environmental and Occupational Health (3)
CPH 576A	Biostatistics in Public Health (3)
CPH 577	Sociocultural and Behavioral Aspects of Public Health (3)
CPH 596N	Internship Preparation (1)

Required Biostatistics Courses (23 units)

CPH 576B	Biostatistics for Research (3)
CPH 576C	Applied Biostatistics Analysis (3)
CPH 576D	Data Management and the SAS Programming Language (3)
CPH 647	Analysis of Categorical Data (3)
CPH 684	General Linear and Mixed Effects Models (3)
CPH 685	Statistical Consulting (3)
CPH 909	Master's Report “Internship” (3)
CPH 696S	Biostatistics Seminar (1 unit – 2 times)

Elective Courses (minimum 6 units) – approved by Advisor

CPH 648	Analysis of High Dimensional Data (3)
CPH 675	Clinical Trials and Intervention Studies (3)
CPH 677	Genetic Association Studies (3)
CPH 686	Survival Analysis (3)
CPH 687	Theory of Linear Models (3)
STAT 564	Theory of Probability (3)
STAT 566	Theory of Statistics (3)
STAT 571B	Design of Experiments (3)
STAT 675	Statistical Computing (3)

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Recommended Course Sequencing – Biostatistics
(Effective August 2009)

First Year

Fall Semester

CPH 573A	Basic Principles of Epidemiology (3)
CPH 575	Environmental & Occupational Health (3)
CPH 576A	Biostatistics in Public Health (3)
CPH 576D	Data Management and the SAS Programming Language (3)
CPH 696S	Biostatistics Seminar (1)

Spring Semester

CPH 574	Public Health Policy & Management (3)
CPH 576B	Biostatistics for Research (3)
CPH 577	Sociocultural & Behavioral Aspects of Public Health (3)
CPH 696S	Biostatistics Seminar (1)

Summer Semester

CPH 576C	Applied Biostatistics Analysis (3)
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Second Year

Fall Semester

CPH 684	General Linear and Mixed Effects Models (3)
CPH 685	Statistical Consulting (3)
CPH 596N	Internship Preparation (1)
Elective	(approved by Advisor)

Spring Semester

CPH 647	Analysis of Categorical Data (3)
CPH 909*	Master's Report "Internship" (3)
Elective	(approved by Advisor)

MPH Core Courses are offered fall & spring semesters, allowing flexibility

*Prerequisites for CPH 909 – Master's Report "Internship": at least 3 MPH core courses.

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DOCTORATE IN BIOSTATISTICS (PHD)

Faculty: Denise Roe, DrPH – Section Chair; Angelika Gruessner, PhD; Paul Hsu, PhD; Chengcheng Hu, PhD; Bonnie LaFleur, PhD, MPH; Duane Sherrill, PhD.

The PhD in Biostatistics is offered by the Division of Epidemiology and Biostatistics. The doctoral degree program in Biostatistics will have an emphasis on the foundations of statistical reasoning and will require its graduates to complete rigorous training in applied probability and statistical analyses. This program prepares students who have demonstrated excellence in mathematics and the sciences to become research biostatisticians in academia, industry, or government.

The PhD program in Biostatistics is designed for individuals having strong quantitative skills with a background or interest in the biological, medical, or health sciences, and potential to become effective researchers in biostatistics. Applicants for the PhD in Biostatistics must have a prior Bachelor's degree. Applicants with a Master's degree in biostatistics, statistics, or applied mathematics will be given preference for admission and financial support. To the extent possible, the curriculum of each student will be tailored to his or her background and interests. A competitive applicant to the PhD in Biostatistics will have a strong quantitative background; at least three semesters of college-level calculus through multivariable/vector calculus is required; in addition, one semester of linear algebra is strongly recommended.

The doctoral program requires approximately four to five years for completion. The first two years of this time are usually devoted to coursework, the comprehensive doctoral examinations, and development of doctoral research. The program is research oriented and centers on a major research project. The overall course of study is developed by the student and the advisor, and is approved by the student's Graduate committee and the Chair the Biostatistics Section. Students will be required to defend their dissertation through a public presentation and oral examination with their committee.

Credit Hours

The curriculum requires a minimum of 47 units of course work in the major, of which 32 units are from required courses and 15 are electives. Students are required to select a minor and complete 9 semester hours or more (depending on requirements of the minor department) in their area of interest, and a minimum of 18 units of dissertation credit.

Students entering the program with a Bachelor's degree and limited undergraduate biology course work will be required to take “Biology in Public Health Research and Practice” (CPH 505).

Students, who enter the Biostatistics PhD program after completion of an MPH with a concentration in Biostatistics from MEZCOPH, may use 23 units towards the Biostatistics PhD. Thus, students with an MPH must complete a minimum of 18 additional units of course work, 6 units of seminar, 9 units or more in a minor subject, and 18 dissertation units. They will be allowed to substitute more advanced courses for any required courses already completed.

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Required PhD Courses (32 units)

MATH 564	Theory of Probability (3)
MATH 566	Theory of Statistics (3)
CPH 573A	Basic Principles of Epidemiology (3)
CPH 576A	Biostatistics in Public Health (3)
CPH 576B	Biostatistics for Research (3)
CPH 685	Statistical Consulting (3)
CPH 687	Theory of Linear Models (3)
STAT 571B	Design of Experiments (3)
STAT 675	Statistical Computing (3)
PHCL 595B	Scientific Writing Strategies, Skills and Ethics (2)
CPH 696S	Biostatistics Seminar (1 unit – 3 times)

Elective Courses (15 units)

CPH 576C	Applied Biostatistics Analysis (3)
CPH 576D	Data Management and the SAS Programming Language (3)
CPH 647	Analysis of Categorical Data (3)
CPH 648	Analysis of High Dimensional Data (3)
CPH 675	Clinical Trials and Intervention Studies (3)
CPH 677	Genetic Association Studies (3)
CPH 686	Survival Analysis (3)

Electives may also be chosen from other Statistics or Mathematics courses with approval of the Biostatistics Faculty.

Minor (minimum 9 units)

Each PhD student must complete a minimum of 9 credit hours of course work in a minor area. The minor area of study specifies the number of required minor units. This should consist of a coherent set of courses in an area (or in related areas) of application of biostatistics; the courses may be from more than one program. Minor courses should be primarily applied as opposed to mathematics/statistical in nature.

Dissertation (18 units)

Total Minimum Credit Requirement = 74 units

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PHD MINOR IN BIOSTATISTICS

The PhD minor in Biostatistics is administered by the Biostatistics Section in MEZCOPH. A total of 15 course credits are required. Selection of courses should be performed in consultation with the Biostatistics minor faculty representative.

PhD Minor Requirements

Minor Courses (minimum of 15 units)

CPH 576C	Applied Biostatistics Analysis (3)
CPH 576D	Data Management and the SAS Programming Language (3)
CPH 647	Analysis of Categorical Data (3)
CPH 648	Analysis of High Dimensional Data (3)
CPH 675	Clinical Trials and Intervention Studies (3)
CPH 677	Genetic Association Studies (3)
EPID 684	General Linear and Mixed Effects Models (3)
CPH 685	Statistical Consulting (3)
CPH 686	Survival Analysis (3)
CPH 687	Theory of Linear Models (3)
MATH 564	Theory of Probability (3)
MATH 566	Theory of Statistics (3)
STAT 571B	Design of Experiments (3)
STAT 675	Statistical Computing (3)

It is the responsibility of the student to have met prerequisites (if not already required for the student's Major), such as:

EPID 576A	Biostatistics for Public Health
EPID 576B	Biostatistics for Research

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“Attachment 8”

Environmental and Occupational Health

Faculty: Mary Kay O’Rourke, PhD – Section Chair; Paloma Beamer, PhD; Jeff Burgess, MD, MS, MPH; Kelly Reynolds, MSPH, PhD.

The MPH degree in Environmental and Occupational Health (EOH) is offered by the Division of Community, Environment and Policy. The degree prepares individuals to evaluate and control health risks posed by chemical and biological contaminants and physical exposures (noise, heat and radiation) in occupational and non-occupational environments. The teaching faculty has experience in industrial hygiene, occupational and environmental health, toxicology, occupational and preventive medicine, epidemiology, microbiology, environmental sciences and engineering.

Concentration coursework includes: indoor/outdoor agents, assessment and evaluation strategies, the toxicology of chemical agents, cross-cutting relationships with changing ecosystems, and implementation of research protocols. Students perform internships to gain experience in a setting related to their professional interests. Collaborative research is facilitated; students may present their findings at professional conferences and publish their results. A technical paper or thesis is required of all students and is defended during a final oral examination.

Students selecting the EOH concentration area should have a strong background in the biological and physical sciences. Inorganic chemistry is required for admission to this concentration; organic chemistry is highly recommended.

Total Minimum Credit Requirement = 42 units**

Required Core Courses (16 units)

CPH 573A	Basic Principles of Epidemiology (3)
CPH 574	Public Health Policy and Management (3)
CPH 575	Environmental and Occupational Health (3)
CPH 576A	Biostatistics in Public Health (3)
CPH 577	Sociocultural and Behavioral Aspects of Public Health (3)
CPH 596N	Internship Preparation (1)

Required EOH Courses (17 units)

CPH 502	Environmental Monitoring and Analysis (3)
CPH 584	Fundamentals of Industrial and Environmental Health (3)
CPH 653	Applied Exposure Assessment (3)
CPH 696R	Environmental & Occupational Health Seminar (1 unit – 2 times)
CPH 900	Research – Environmental and Occupational Health (3)
CPH 909	Master’s Report “Internship” (3)

Selective Courses (minimum 9 units) – approved by Advisor

Students select courses in one of two areas of emphasis –

+Environmental Health Science or ***Industrial Hygiene**.

****** Some scholarships require additional unit

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Recommended Course Sequencing – EOH
(Effective June 2009 for odd year entry)

First Year

Fall Semester

CPH 502	Environmental Monitoring & Analysis (3)
CPH 576A	Biostatistics in Public Health (3)
CPH 584	Fundamentals of Industrial & Environmental Health (3)
CPH 696R	Environmental & Occupational Health Seminar (1 unit 2 times)
*/+IH/EH	Selective I (approved by Advisor)

Spring Semester

CPH 573A	Basic Principles of Epidemiology (3)
CPH 574	Public Health Policy and Management (3)
CPH 596N	Internship Preparation (1)
CPH 653	Control of Exposures (3)
*/+ IH/EH	Selective II (approved by Advisor)

Summer Session

@CPH 909	Master's Report “Internship” (3) or CPH 900 Research (3)
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Second Year

Fall Semester

CPH 577	Sociocultural & Behavioral Aspects of Public Health (3)
CPH 575	Environmental & Occupational Health (3)
CPH 696R	Environmental & Occupational Health Seminar (1 unit 2 times)
*/+ IH/EH	Selective III (approved by Advisor)

Spring Semester

CPH 653	Applied Exposure Assessment (3)
CPH 900	EOH Research (3)
+CPH 909	Master's Report “Internship” (3)
Additional Selective(s) (approved by Advisor) (6) **	

@Prerequisites for CPH 909: at least 3 MPH core courses and CPH 502, 584 and CPH 596N

Contact your Advisor for a list of selective courses appropriate to your interest area.

Students select courses in one of two areas of emphasis:

+Environmental Health Science or *Industrial Hygiene.

** Some scholarships require additional units (CPH 510, 583, 653, 655)

Make sure you consider courses delivery by year (some courses only have even or odd year offerings).

MPH Core Courses are offered fall & spring semesters, allowing flexibility.

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“Attachment 9”



DUAL DEGREE PROGRAM PROPOSAL
PUBLIC HEALTH AND BUSINESS ADMINISTRATION

The MPH/MBA Dual Degree Program is offered jointly by the Mel and Enid Zuckerman College of Public Health and Eller College of Management. The dual degree program allows a student to earn a Master of Public Health (MPH) and a Master of Business Administration (MBA) in three years upon the completion of a minimum of 75-79 units in Public Health and Business.

Requirements

Master of Public Health Requirements:

The Mel and Enid Zuckerman College of Public Health offers an interdisciplinary Master's program in Public Health. Students need a minimum of 42-46 units, depending on the area of concentration selected, to complete the MPH degree.

Master of Business Administration Requirements:

The College of Management offers a Master of Business Administration degree. Students will need a total of 56 graduate units to successfully complete the MBA degree program.

Dual Degree Requirements

Dual degree applicants must meet the application deadlines, testing requirements, and submit program fees to each program independently. Dual degrees refer to a formal, approved program for a student to earn two degrees simultaneously. Dual degrees allow flexibility and encourage interdisciplinary work. Since both degrees already exist, the approval process is minimal. The minimum requirements for dual degrees are:

1. Students must apply to and be accepted into both programs (two application fees will be required),
2. Students must meet all the requirements for both degrees, and
3. Students must be enrolled for a minimum of four semesters as a business student.

Students enrolled in the dual degree program complete the separate requirements for the MPH and MBA degrees in three years. (The program is open only to full-time students). The preferred sequence of courses would be to have dual degree students to be full time in the Eller College of Management for the first year, then complete the first year of the Master of Public Health program during the second year, before taking courses from both programs simultaneously. Following completion of the first year of study of each program, a student may take both MPH and MBA courses simultaneously, to complete both degrees. Students will have to work with their advisors to determine how they can coordinate their class schedules to meet both degree requirements. This will vary by the student's concentration area of study within the MPH Program.

In summary, a student enrolled in the dual degree program may count a maximum of 23 units toward both degrees. The following table illustrates how the dual degrees can be obtained using the MPH Health Behavior and Health Promotion Concentration as an example.

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Illustrative MPH/MBA Dual Degree Proposal Fall 2009

Program	Required # Units	Program Core Units	Double Counted
MBA	56	36	Maximum of 23 units on both Master Plan of Studies combined
MS Public Health	42-46	16	
MBA/MPH	98-102	52	
MBA/MPH Dual Degree	75-79	52	23 Max

Year One	MBA Program Core Pre-Session MGMT 556 : Teams and Leadership (2) Fall MGMT 510: Business Communication (2) BNAD 500A: Eller Employment Strategies (1) ACCT 540: Financial Accounting (2) ECON 550: Economics for Managers (2) MGMT 562 Business Statistics (2) ECON 551: Business Strategy (2) MKTG 510 Market-Base Management (2) <u>FIN 510A: Financial Management</u> (2) 17 UNITS Winter BNAD 596C: Global Business Perspectives (2) Spring MIS 585 : Strategic Management of Information Systems (2) FIN 510B : Financial Management (2) MIS 560: Operations Management (2) ACCT 545: Cost Accounting (2)	30 MBA Core 3 MBA Elective Total Units--33 Units
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	<u>BNAD 597A: Field Projects</u> (3) 13 UNITS <u>MBA ELECTIVE:</u> (3) 3 UNITS	
	16 UNITS Total	
Summer One	MBA INTERNSHIP	0 Units
Year Two	MPH Focus Year Fall CPH 573A: Epidemiology or CPH 535: Multicultural Health Beliefs (3) CPH 574: Public Health Policy and Management (3) CPH 577: Sociocultural & Behavioral Aspects of P.H (3) CPH 576A: Biostatistics (3) <u>CPH 531: Contemporary Health Issues</u> (3) 15 UNITS Spring CPH 573A: Epidemiology (if not taken in Fall) (3) CPH 596E: Health Education Leadership Seminar (3) CCP 532A: Applied Aspects of Program Plan. & Eval (3) CPH 575: Environmental and Occupational Health (3) <u>CPH 596N: Internship Prep (Web based)</u> (1) 13 UNITS	Year Two: 18 Units
Summer Two	CPH 909 Internship (6)	Summer Two: 6 Units

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Year Three	CPH 535 Multicultural Health Beliefs (if needed) (3) MBA CORE BNAD 500B: Advanced Career Strategies (1) BNAD 596A: Topics in Business and Leadership (2) MBA/MPH: ELECTIVE (3) MBA/MPH : ELECTIVE (3) MBA/MPH : ELECTIVE (3) 15 Units	Year Three: 15 Units Total Number of Credit: 69
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Total Number of Credit: 69

Students would take 30 credits of the MBA core curriculum and one 3 credit MBA elective in year one.

Total for year one is 33 units. The student would then take 24 units of MPH classes in year two. This sequence can be reversed as well.

Year three consists of students completing the three remaining Core MBA Credits, and up 9 credits of MBA or MPH electives. Year three should consist of a minimum of 15 units.

Classes (23credits) that can be counted towards both degrees are in yellow.

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“Attachment 10”

Epidemiology

Faculty: Robin Harris, PhD, MPH – Section Chair; Zhao Chen, PhD, MPH; Kacey Ernst, PhD; Janet Foote, PhD; Stefano Guerra, MD, PhD; Elizabeth Jacobs, PhD; M. Elena Martinez, PhD, MPH; Sydney Pettygrove, PhD; Eyal Shahar, MD, MPH; Patricia Thompson, PhD.

The MPH in Epidemiology is offered by the Division of Epidemiology and Biostatistics. Epidemiology is a fundamental science of public health with a major focus on health problems in communities, groups, or aggregates of people.

The Epidemiology concentration curriculum provides systematic training in epidemiological principles, methods, and practices through constructive coursework and an internship. Individuals who choose the epidemiology concentration will have the opportunity to acquire knowledge, skills and experiences for measuring and studying the distributions, characteristics, causes, and prevention of disease, disability, and premature death in humans.

Students accepted into this discipline should have a good background in the biological sciences and mathematics. In addition to the general admission requirements for the MPH program, other factors considered in the determination of a candidate’s potential for success in the epidemiology concentration area are long range goals and commitment to both public health and epidemiology; experience/interest in applying epidemiological principles to public health; and work and volunteer experience in epidemiology.

Total Minimum Credit Requirement = 44 units

Required Core Courses (16 units)

CPH 573A	Basic Principles of Epidemiology (3)
CPH 574	Public Health Policy and Management (3)
CPH 575	Environmental and Occupational Health (3)
CPH 576A	Biostatistics in Public Health (3)
CPH 577	Sociocultural and Behavioral Aspects of Public Health (3)
CPH 596N	Internship Preparation (1)

Required Epidemiology Courses (25 units)

CPH 573B	Epidemiologic Methods (3)
CPH 573C	Advanced Epidemiology (3)
CPH 576B	Biostatistics for Research (3)
CPH 596D	Public Health Experience – Student Epidemiology Response Team (2)
CPH 660	Infectious Disease Epidemiology (3)
CPH 670	Chronic Disease Epidemiology (3)
CPH 696A	Epidemiology Seminar (1 unit – 2 times)
CPH 909	Master’s Report “Internship” (6)

Elective Courses (minimum 3 units) – approved by Advisor

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Recommended Course Sequencing - Epidemiology
(Effective June 2009)

First Year

Fall Semester

- CPH 573A Basic Principles of Epidemiology (3)
- CPH 574 Public Health Policy & Management (3)
- CPH 576A Biostatistics in Public Health (3)
- CPH 596D Public Health Experience – Student Epidemiology Response Team (2)
- CPH 696A Epidemiology Seminar (1)

Spring Semester

- CPH 573B Epidemiologic Methods (3)
- CPH 576B Biostatistics for Research (3)
- CPH 577 Sociocultural & Behavioral Aspects of Public Health (3) OR other Core MPH Class**
- CPH 596N Internship Preparation (1)
- CPH 696A Epidemiology Seminar (1)

Summer Semester

- CPH 909 Master’s Report “Internship” (0-6) OR Elective (approved by Advisor)

Second Year

Fall Semester

- CPH 573C Advanced Epidemiology (3)
- CPH 575 Environmental & Occupational Health (3) OR other Core MPH Class**
- CPH 670 Chronic Disease Epidemiology (3)
- CPH 909 Master’s Report “Internship” (0-6) OR Elective (approved by Advisor)

Spring Semester

- CPH 660 Infectious Disease Epidemiology (3)
- CPH 909* Master’s Report “Internship” (0-6) OR Elective (approved by Advisor)

*CPH 909 – Master’s Report “Internship” may be taken in one or more semesters and the credits may be split across semesters. Prerequisite courses for CPH 909 are: CPH 573A, CPH 576A, CPH 573B, CPH 576B.

**MPH Core Courses are offered fall & spring semesters, allowing flexibility

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MASTER OF SCIENCE IN EPIDEMIOLOGY

Faculty: Robin Harris, PhD, MPH – Section Chair; Zhao Chen, PhD, MPH; Kacey Ernst, PhD; Janet Foote, PhD; Stefano Guerra, MD, PhD; Elizabeth Jacobs, PhD; M. Elena Martinez, PhD, MPH; Sydney Pettygrove, PhD; Eyal Shahar, MD, MPH; Patricia Thompson, PhD.

The Master of Science in Epidemiology is offered by the Division of Epidemiology and Biostatistics. The Master of Science degree in Epidemiology is designed for individuals who wish to pursue training in epidemiological research. It is anticipated that graduates will occupy positions as research administrators, program managers, analysts, and evaluators in universities, health departments, governmental agencies, and similar organizations. Students have the option of either a general MS degree in Epidemiology or a specialization in clinical epidemiology. The requirements for these two MS degrees vary slightly. Students who are interested in clinical epidemiology should contact the Epidemiology Section Chair for additional information.

The overall course of study for the MS degree will be developed by the student and the advisor and approved by the student's Graduate Committee and Chair of the Epidemiology Section. On average, the MS program requires approximately two years for completion. The first year is usually devoted to core coursework and completion of the qualifying exam. The second year is focused on remaining coursework and development of the master's thesis research. Please refer to the Epidemiology Student Handbook for additional information. See the UA catalog for further details on the current schedule and specific course requirements.

Total Minimum Credit Requirement = 40 units

Required Major Courses (25 units)

- EPID 573A Basic Principles of Epidemiology (3)
- EPID 573B Epidemiologic Methods (3)
- EPID 573C Advanced Epidemiology (3)
- EPID 576A Biostatistics for Public Health (3)
- EPID 576B Biostatistics for Research (3)
- EPID 660 Infectious Disease Epidemiology (3)
- EPID 670 Chronic Disease Epidemiology (3) **OR** select from:
 - EPID 615a Cancer Epidemiology and Prevention (3) or
 - EPID 673 Epidemiology of Aging (3)
- EPID 696A Epidemiology Seminar (1 unit - 4 times)

Epidemiology Courses or Approved Electives (9 or more units – see Advisor)

There is a maximum of 6 units from Independent Study/Research Credit (EPID 599, 699.)

Required Master's Thesis, EPID 910 (6 units)

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MS in Epidemiology – Clinical Epidemiology Track

This degree is an option for clinically-based researchers seeking to improve their ability to conduct research. The expectation is that students seeking this track will be physicians seeking to conduct clinical research. The overall course of study for this Clinical Epidemiology MS track will be developed by the student and the advisor and approved by the student’s Graduate Committee and Chair of the Epidemiology Section. On average, the MS program requires approximately two years for completion. The first year is usually devoted to core coursework and completion of the qualifying exam. The second year is focused on remaining coursework and development of the master’s thesis research. Please refer to the Epidemiology Student Handbook for additional information. See the UA catalog for further details on the current schedule and specific course requirements.

Total Minimum Credit Requirement = 40 units

Required Major Courses (25 units)

- EPID 573A Basic Principles of Epidemiology (3)
- EPID 573B Epidemiologic Methods (3)
- EPID 573C Advanced Epidemiology (3)
- EPID 576A Biostatistics for Public Health (3)
- EPID 576B Biostatistics for Research (3)
- EPID 651 Bioethics & Regulation (2)
- EPID 652 Grantsmanship for a Winning Proposal (2)
- EPID 675 Clinical Trials & Intervention Studies (3)
- EPID 696A Epidemiology Seminar (or equivalent approved by Advisor) (1 unit - 3 times)

Epidemiology Courses or Approved Electives (9 or more units – see Advisor)

There is a maximum of 6 units from Independent Study/Research Credit (EPID 599, 699).

Required Master’s Thesis, EPID 910 (6 units)

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DOCTORATE IN EPIDEMIOLOGY (PhD)

Faculty: Robin Harris, PhD, MPH – Section Chair; Zhao Chen, PhD, MPH; Kacey Ernst, PhD; Janet Foote, PhD; Stefano Guerra, MD, PhD; Elizabeth Jacobs, PhD; M. Elena Martinez, PhD, MPH; Sydney Pettygrove, PhD; Eyal Shahr, MD, MPH; Patricia Thompson, PhD.

The PhD in Epidemiology is offered by the Division of Epidemiology and Biostatistics. Epidemiology is the scientific discipline concerned with the causes and prevention of human disease. Epidemiology focuses on the occurrence of disease among human populations, considering changes within populations over time and differences among and between populations in disease risk. Epidemiologists today are involved in attempts to understand the causes and means of controlling AIDS and other infectious diseases, as well as chronic diseases including cancer and coronary heart disease. Much of our understanding of the links between sexual practices and AIDS risk, of smoking and cancer, of serum cholesterol and coronary heart disease, of obesity and mortality risk and of air pollution and chronic lung disease derives from epidemiologic studies.

The PhD in Epidemiology trains individuals for careers in research and teaching in academic settings, research institutes, government agencies and industry. It has been designed for students whose careers will focus on conducting investigator-initiated and collaborative epidemiologic research. On average, the doctoral program requires approximately four to five years for completion. The first two years of this time are usually devoted to coursework, the qualifying exam, the comprehensive doctoral examinations, and development of doctoral research. The program is research oriented and centers on a major research project.

PhD Course Requirements

At least 46 units are required for the major (including up to 10 units of independent study), plus a minimum of 18 dissertation units, and at least 9 units minimum for the minor (depending on minor department requirements). See the course listings for further details on the specific course requirements and schedule. The overall course of study will be developed by the student and the advisor and approved by the student's Graduate Committee and Chair of the Epidemiology Section. Students will be required to defend their dissertation through a public presentation and oral examination with their committee. Please refer to the Epidemiology Student Handbook for additional information.

Required Major Courses (29 units)

EPID 573A	Basic Principles of Epidemiology (3)
EPID 573B	Epidemiologic Methods (3)
EPID 573C	Advanced Epidemiology (3)
EPID 576A	Biostatistics for Public Health (3)
EPID 576B	Biostatistics for Research (3)
EPID 651	Bioethics, Regulations, & Repercussions in Research (2) or PHCL 595B Scientific Writing Strategies, Skills and Ethics (2)
EPID 660	Infectious Disease Epidemiology (3)
EPID 670	Chronic Disease Epidemiology (3)
EPID 696A	Epidemiology Seminar (1 unit – 4 times) <i>(or equivalent approved by Advisor)</i>
EPID 796A	Epidemiology Doctoral Seminar (1 unit – 2 times)

Electives (17 or more units, 12 of which must be in Epidemiology/Biostatistics)

Note: maximum of 10 units of Independent Study/Research Credit (EPID 599, 699, 799, 900).

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Minor Courses - According to Graduate College Policy, PhD students must choose at least one supporting minor subject, in addition to the major subject. The selection of a minor subject area is the responsibility of the student, in consultation with their advisor and/or Graduate Committee Chair. The minor area of study specifies the number of required minor units and examinations (minimum = 9 units).

Dissertation – minimum of 18 units

Total Minimum Credit Requirement = 73 units

PHD MINOR IN EPIDEMIOLOGY

The PhD minor in Epidemiology is designed for individuals from other University of Arizona doctoral degree programs who wish to obtain graduate training in Epidemiology. A member of the primary Epidemiology faculty will serve as the Minor Advisor and sit on the student's graduate committee.

The PhD minor in Epidemiology is administered by the Epidemiology Graduate Program. A total of 15 course units are required as well as successful completion of the Epidemiology Qualifying Exam. See the course listings for further details on the specific course requirements and schedule.

Required Minor Courses (at least 15 units)

EPID 573A	Basic Principles of Epidemiology (3)
EPID 573B	Epidemiologic Methods (3)
EPID 576A	Biostatistics for Public Health (3)
EPID 576B	Biostatistics for Research (3)
Elective	(to be approved by Epidemiology Faculty Advisor)

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“Attachment 11”

Family and Child Health

Faculty: Christina Cutshaw, PhD, John Ehiri, PhD, MPH; Lynn Gerald, PhD, MSPH; Norma Gray, PhD; Iman Hakim, MBBCh, PhD, MPH; Mary Koss, PhD; Douglas Taren, PhD; Nicolette Teufel-Shone, PhD – (Section Chair); Ronald Watson, PhD.

The Family and Child Health Concentration (FCH) provides students a curriculum that addresses the history and current status of the socioeconomic, cultural, political and physiological issues that affect the health of families and children. Students entering the FCH concentration must choose a plan of work in one of two specialized areas: maternal and child health or global health. All students in the FCH concentration will take a set of courses that focus on maternal and child health issues, government policies affecting women and children, adolescent health, and nutrition. In addition, each student, under the guidance of an advisor, will develop an individualized plan of study for his or her specialized area of interest.

Total Credit Requirement for the MCH Track = 46 units

Total Credit Requirement for the Global Health Track = 47 units

Required Core Courses (22 units)

CPH 573A Basic Principles of Epidemiology (3)

CPH 574 Public Health Policy and Management (3)

CPH 575 Environmental and Occupational Health (3)

CPH 576A Biostatistics in Public Health (3)

CPH 577 Sociocultural and Behavioral Aspects of Public Health (3)

CPH 909 Master's Report “Internship” (6)

CPH 596N Internship Preparation (1)

Maternal and Child Health Track

Required MCH Courses (24 units)

CPH 586 Maternal and Child Health (3)

CPH 630 Maternal and Child Health Epidemiology (3)

CPH 682 Women & Children Health Policy (3)

CHP 597A Maternal & Child Health Programs in Urban Settings (1)

CPH 597B Maternal & Child Health Programs in Rural Southwest (1)

CPH 696H MCH/Public Health Seminar (1)

One Planning and/or Elective Course (3)

Collaborative Leadership Course (required 8 wks, non-credit)

Elective Courses (9 units)

Global Health Track

Required Global Health Courses (25 units)

CPH 533 Global Health (3)

CPH 586 Maternal and Child Health (3)

CPH 630 Maternal and Child Health Epidemiology (3)

or CPH 645 Nutritional Epidemiology (3)

or CPH 660 Infectious Disease Epidemiology (3)

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CPH 606 Changing Health Policy: Cultural Understanding & Epi Analysis (3)
CPH 696H MCH/Public Health Seminar (1)
One Planning and/or Evaluation Course (3)
Elective Courses (9 units)

Recommended Course Sequencing – MCH Track

(This course sequencing schedule is only a recommendation. Students and advisors may opt to create a schedule that better suits student strengths and interests.)

(Effective June 2009)

First Year

Fall Semester

CPH 597A MCH Programs in Urban Settings (1) *one week before Fall semester*
CPH 573A Basic Principles of Epidemiology (3)
CPH 586 Maternal & Child Health (3)
CPH 682 Women & Child Health Policy (3)
Elective (approved by Advisor) (3)
CPH 696H MCH/Public Health Seminar (enroll for credit in Spg)

Spring Semester

CPH 630 MCH Epidemiology (3)
CPH 577 Sociocultural & Behavioral Aspects of Public Health (3)
Elective (approved by Advisor) (3)
Planning/Evaluation Course (3)
CPH 696H MCH/Public Health Seminar (1)
Collaborative Leadership Course (required, non-credit bearing)

Summer Pre-Session Semester *one week after Spring semester*

CPH 597B MCH Programs in Rural Southwest (1)

Second Year

Fall Semester

CPH 575 Environmental & Occupational Health (3)
CPH 576A Biostatistics in Public Health (3)
CPH 574 Public Health Policy & Management (3)
Elective (approved by Advisor) (3)
CPH 596N Internship Preparation (1)

Spring Semester

CPH 909 Master's Report "Internship" (6)

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Recommended Course Sequencing – Global Health Track

(This course sequencing schedule is only a recommendation. Students and advisors may opt to create a schedule that better suits student strengths and interests.)

(Effective June 2009)

First Year

Fall Semester (12 credits)

CPH 573A Basic Principles of Epidemiology (3)
CPH 586 Maternal & Child Health (3)
CPH 577 Sociocultural Aspects of Public Health (3)
Elective (approved by Advisor) (3)
CPH 696H MCH/Public Health Seminar (enroll for credit in Spg)

Spring Semester (12 credits)

CPH 533 Global Health (3)
CPH 630 MCH Epidemiology (3)
 or CPH 645 Nutritional Epidemiology (3)
 or CPH 660 Infectious Epidemiology (3)
CPH 574 Public Health Policy & Management (3)
CPH 696H MCH/Public Health Seminar (1)
Elective (approved by Advisor) (3)

Second Year

Fall Semester (13 credits)

CPH 576A Biostatistics in Public Health (3)
CPH 575 Environmental & Occupational Health (3)
CPH 606 Changing Health Policy: Cultural Understanding & Epi Analysis (3)
Planning/Evaluation Course (3)
CPH 696N Internship Preparation (1)

Spring Semester (9 credits)

CPH 909 Master's Report "Internship" (6)
Elective (approved by Advisor) (3)

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“Attachment 12”

Bachelor of Science in Public Health

Director: Joe K. Gerald, MD, PhD

The Bachelor of Science in Public Health (BSPH) is offered by the Mel and Enid Zuckerman College of Public Health. The BSPH is designed to promote an understanding of health and disease based on public health principles. The primary goal of the program is to train public health professionals who will seek to improve the quality of life of individuals and communities within Arizona. The curriculum provides general knowledge regarding public health principles and practice augmented by concentrated study (tracks) in Environmental and Occupational Health and Health Behaviors. Field work provides students with an experience that incorporates classroom learning into public health practice and prepares them for future employment.

The core competencies of the major provide the knowledge and skills needed to conduct public health practice in diverse populations. Particular emphasis is placed on understanding health care delivery in the US and abroad, incorporating epidemiologic and statistical methodologies into public health practice, providing culturally appropriate and effective interventions, identifying health disparities, planning and evaluating health interventions, and understanding the link between nutrition and health.

Specific focus in one or more tracks provides in-depth knowledge of a particular aspect of public health practice. The Environmental and Occupational Health track focuses on recognition of health hazard sources and approaches used to identify and evaluate them. Through available frameworks student will learn to manage and control exposures at individual and population levels thus promoting health and preventing disease. The Health Behaviors track emphasizes preventable behavioral risk factors for social dysfunction, illness and injury. Mastery of the core and track content prepares students to directly enter the workforce or for graduate education in public health, medicine, pharmacy or dentistry.

Acceptance to the public health major is dependent on the candidate's academic aptitude; prior experience in public health demonstrated via community service or public health practice; leadership potential; commitment to underserved areas and populations, and respect for cultural diversity. Admission to the major is by application only and requires at minimum: completion of the pre-health major with a GPA of 2.5 or greater; a completed major application including a resume and personal narrative. Acceptance is competitive and may require qualifications that exceed the listed minimums.

Total Minimum Credit Requirement = 64 units

Required Core Courses (34 units)

ENGL 308	Technical Writing (3)
CPH 3xx	Epidemiology (3)
CPH 300	Community Health Sciences and Services (3)
CPH 310	Health Care in the US (3)
CPH 376	Introduction to Health Statistics (4)
CPH 381	Public Health Planning and Evaluation Methods (3)
CPH 4xx	Health Disparities and Inequalities (3)
CPH 433	Global Health (3)

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CPH 478 Maternal and Child Health Nutrition (3)
or
NSC 310 Principles of Nutrition in Health and Disease (3)
CPH 493 Field Work in Public Health (6)

Track Courses (9 units)

Environmental and Occupational Health Track

CPH 418 Introduction to Health Risk Assessment (3)
CPH 484 Fundamentals of Industrial and Environmental Health (3)
CPH 489 Public Health Preparedness (3)

Health Behaviors Track

CPH 306 Drugs and Society (3)
CPH 330 Human Sexuality (3)
CPH 449 Family Violence (3)

CPH Electives* (12 units)

CPH 321 Health Care Policy and Institutions (3)
CPH 322 Health Education Ethical Leadership (3)
CPH 400 Contemporary Community Health Problems (3)
CPH 421 Disease and Illness in Mining (3)
CPH 425 Topics in Latino Health (3) see also MAS 425
CPH 444 Rethinking Race and Health in US (3) see also AFAS 444

* See Advisor for latest update to elective course offerings.

General Electives (9 units)

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Recommended Course Sequencing – BSPH
(Effective Fall 2009)

First Year

Fall Semester (15 units)

ENGL 308	Technical Writing (3)
CPH 300	Community Health Sciences and Services (3)
CPH 310	Health Care in the US (3)
CPH	Track Requirement 1 (3)
CPH	CPH Elective 1 (3)

Spring Semester (16 units)

CPH 3xx	Epidemiology (3)
CPH 376	Introduction to Health Statistics (4)
CPH 433	Global Health (3)
CPH	Track Requirement 2 (3)
	General Elective 1 (3)

Second Year

Fall Semester (15 units)

CPH 381	Public Health Planning and Evaluation Methods (3)
CPH 478	Maternal and Child Health Nutrition (3)
CPH	Track Requirement 3 (3)
CPH	CPH Elective 2 (3)*
	General Elective 2 (3)*

* Students may substitute CPH 493 Field Work in Public Health (6)

Spring Semester (18 units)

CPH 4xx	Health Disparities and Inequalities (3)
CPH	CPH Elective 3 (3)
CPH	CPH Elective 4 (3)
	General Elective 3 (3)
CPH 493	Field Work in Public Health [#] (6)

[#]Co-requisites/prerequisites for CPH 493 Field Work in Public Health are admission to the major and CPH 381.

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“Attachment 13”

Curriculum for 2009-2010 Catalog

DrPH in Public Health

Home>Academic Programs>Doctoral Programs

The DrPH is an advanced, professional degree program that focuses on developing future leaders in public health practice, who will advance the public's health through the integration and application of a broad range of knowledge and analytical skills in leadership, practice, policy analysis, research, program management and professional communication. The program is designed for students who have a previously awarded Master's degree, preferably a Master of Public Health degree, and at least two years of public health work related experience. Additionally, applicants with a Bachelor's degree and 5 years of public health work-related experience may be considered for admission into the program. Students entering without a prior MPH degree will be required to complete the five core MPH courses offered through MEZCOPH, or their equivalent, in addition to the minimum DrPH credit hours of course work in the major.

There are two major concentration areas of study available to DrPH candidates. Students are required to select either **Maternal and Child Health (MCH)** or **Public Health Policy and Management (PHPM)**.

REQUIRED DrPH COURSES

A minimum of 37 units are required in the major as listed below:

DrPH Required Courses (22 units)

CPH 516 Ethics, Values, and Policy (3)
CPH 642 Public Health Communications (3)
CPH 652 Grantsmanship for a Winning Proposal (2)
MEZCOPH Field Courses* (2)
Evaluation Course§ (3)
Higher Level Methods Course* (3)
Community and Cultural Sensitivity Course* (3)
CPH 696H/696J DrPH Seminar (3)

* from selected list and with approval from advisor

§ CPH 628 Public Health Research and Evaluation (Maternal and Child Health Program)

§ CPH 544 Fundamentals of Evaluation (Public Health Policy and Management)

The remaining 15 units in the major will be specific to the area of concentration and electives approved by the major advisor.

Maternal & Child Health

Faculty: Nicolette Teufel-Shone, PhD – **Section Chair**; Christina Cutshaw, PhD; John Ehiri, PhD, Norma Gray, PhD; Iman Hakim, MD, PhD, MPH; Mary Koss, PhD; Douglas Taren, PhD; Ronald Watson, PhD.

Required MCH Courses (9 units)

CPH 586 Maternal and Child Health (3)
CPH 630 Maternal and Child Epidemiology (3)
CPH 682 Women and Children Health Policy (3)

Concentration Electives (minimum 6 units – approved by Advisor)

Public Health Policy & Management

Faculty: Gail Barker, PhD; Merrill Eisenberg, PhD; Howard Eng, DrPH, MS; Joe Gerald, MD, PhD, Gary Hart, PhD, Ralph Renger, PhD; Cecilia Rosales, MD, MS; Kenneth Schachter, MD, MBA;

Required PHPM Courses (9 units)

CPH 617 Advanced Public Health Policy Analysis (3)
CPH 641 Advance Public Health Administration (3)

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CPH 569 Fundamentals of Health Budgeting and Financial Management (3)

Concentration Electives (minimum 6 units - approved by Advisor)

Dissertation (minimum 18 units)

Minor (minimum 9 units)

Total DrPH Minimum Credit Requirement = 64 units

For more information about the DrPH Graduate Program, please contact Becky Corran, Recruitment and Admissions Coordinator, at phadmit@u.arizona.edu.

Qualifying Exam (QE)

The Qualifying Exam or QE is a written exam intended to assess how well the student can integrate the Public Health core course competencies by designing and presenting a solution to a public health problem. All DrPH students are required to take and pass the QE before they can proceed to work on the Comprehensive Examination and Dissertation. This exam is an open book examination and students are given a week to research and complete their response.

Students are required to take the exam after their first semester of study if they have been admitted after completing an MPH degree. Students who enter the program without an MPH degree will take it as soon as they have completed all of the required five core master of public health courses. The exam is administered annually in January and June.

A score of 80% on the exam is required for a pass. The Qualifying Exam can be repeated once if it is not passed on the first attempt, but a second failure results in termination from the program. The Qualifying Exam Committee is responsible for developing, monitoring, and grading the exam. This Committee is co-chaired by faculty appointed by the Director of the DrPH program.