



MEL AND ENID
ZUCKERMAN COLLEGE
OF PUBLIC HEALTH

**Graduate Certificate in Global Health and Development
at the University of Arizona**

***“Building Healthy Communities & Promoting Health Equity Worldwide
to Improve Global Health and Development”***

Global health has been defined as “an area for study, research, and practice that places priority on improving health and achieving equity in health for all people worldwide.” Issues of health are no longer concerns of single nations, communities and disciplines. In the face of the growing awareness for the need to share evidence-based solutions to common problems, opportunities for global health are expanding rapidly.

Increasing numbers of professionals from multiple disciplines are experiencing the imperative to enlarge their world view and expand their skills and competencies in global health to adequately address the current challenges in their own increasingly diverse settings or to lend a hand to the worsening challenges in resource-limited environments. In order to be successful, skills are required to identify and delineate critical health and human development issues that confront populations in the multiple employment, community and environmental settings. Professionals may be required to design and/or implement large or small scale interventions to prevent disease, and protect, or promote population health. They may also be engaged as consultants to provide technical advice and assistance.

Rooted in global health practice and development as the overarching framework, this certificate program is especially designed to equip participants with the foundation knowledge and skills necessary to function and flourish effectively in global health practice, whether at home in a diverse setting, along the border in a bi-cultural environment, working side-by-side in indigenous homelands or abroad where populations and communities are displaced and under-resourced and where health systems are constrained. This certificate covers several critical issues in global health, including but not limited to epidemiology and disease control, health systems management, multi-sectoral partnerships, racial, ethnic and cultural disparities, gender and health equity, food and nutrition, evidence-based policy and practice, project design, monitoring and evaluation, and sustainability.

With a major focus on working professionals, the program is designed as a flexible, internet-based, alternative for local, regional, national and foreign individuals working or intending to work with communities and/or organizations engaged in global health and development. It is especially designed for three groups of participants: i) individuals with a passion for health equity who have real-life experience but with limited relevant academic preparation ii) health and health-related professionals wishing to update and

expand their knowledge and skills, but do not have the time or flexibility to undertake a campus-based academic degree program, iii) students in other disciplines who want to enrich their major with a global health & development world view. This certificate has relevance for professionals in public health, international relations, nursing, environmental sciences, anthropology, agriculture, sociology, biology, business and economics.

Graduate Certificate Course Objectives

The Graduate Certificate in Global Health & Development is designed to equip participants with essential skills to succeed in, and impact, global health and development policy and practice. At the end of the certificate program, participants should be able to:

- **Analyze** the relationship between health, poverty, and development.
- **Synthesize** information from primary and secondary sources to help identify appropriate interventions and actions in global health and development.
- **Demonstrate** skills in systematic reviews of the evidence-base of current global health and development policies and programs.
- **Demonstrate** skills in program design, monitoring, and evaluation.
- **Demonstrate** competence in using one database relevant to global health and development.
- **Demonstrate** competence in providing technical assistance related to micro-finance and micro-credit development.

Course Endorsement & Accreditation

This certificate program has been approved for graduate level credit by the University of Arizona Graduate College and the Mel and Enid Zuckerman College of Public Health. The certificate is a 13 unit, stand-alone program that will be delivered entirely online, via the internet.

Student Admission

Students must formally apply to the Graduate Certificate in Global Health & Development. Admission materials will include an [online Graduate College application](#), official transcripts of previous university coursework (confirming the possession of a Bachelor's degree with a minimum 3.0 GPA), resume or CV, a written statement of background and goals, and one letter of reference. International applicants are also required to submit TOEFL or IELTS scores. Students are not required to take the Graduate Record Examination (GRE) as a condition for admission. Applicants who meet the minimum requirements will be admitted depending on availability of space on the program. Concurrent enrollment in a degree program is allowed but not required.

Apply online: <http://grad.arizona.edu/admissions/apply-now>

Application deadlines are as follows:

- Fall admission: June 1
 - Spring admission: October 1
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Course Access

The course is built in the Moodle course management system. Delivered entirely online and with the Millennium Development Goals as the overarching framework, the curriculum blends online, experiential and field-based learning. The online components include: a class café, required and supplemental readings, multi-media instructions tools such as DVD clips, radio broadcasts, power points, discussion board assignments, case studies and uploaded assignments. Students will actively interact with the moderators and their own peers using the online discussion board.

Program Courses

To obtain the Global Health & Development certificate, the student must pass and complete the required credit hours. Participants are expected to take courses for a letter grade and receive a C or higher to pass the course. The certificate can be completed within one academic year. Alternatively, students may have up to two years to complete the certificate. All courses are offered online.

The program consists of 13 credits, of which 11 credit units are required coursework and 2 units are elective coursework.

Required Certificate Course (11 units)	Credits	Term Offered Online
CPH 528 Fundamentals of Global Health & Development	3	Fall
CPH 529 Project Design and Implementation in Global Health & Development	3	Fall
CPH 530 Nutrition in Global Health & Development	2	Spring
CPH 534 Infectious Diseases, Global Health & Development	3	Spring
Elective Certificate Courses (2 units)	Credits	Term Offered Online
CPH 540 Micro-finance and Social Business in Global Health & Development	2	Summer
CPH 599 Independent Studies in Global Health & Development Issues	2	Varies



Required Course: CPH 528 Fundamentals of Global Health & Development

Timing of course: Fall semester

Catalog Description: This course will introduce students to the world's vast diversity of health determinants. It will appraise major global health and development challenges, policies, and programs.

Course Overview: In this course, you will be introduced to the world's vast diversity of determinants of health and disease. You will have an opportunity to critically appraise health care delivery systems in different parts of the world. You will analyze current and emerging global health priorities, including emerging infectious diseases, poverty, wars and other civil conflicts, health inequalities, principles and impact of health systems reforms, and major global initiatives for disease prevention and health promotion. You are reminded that no one person, agency, or organization holds absolute knowledge on how best to address global health challenges. Thus, a primary goal of this course is to develop in students, skills in critical thinking in relation to global health issues. "Critical thinking involves determining the meaning and significance of what is observed or expressed, or concerning a given inference or argument and determining whether there is adequate justification to accept the conclusion as true. It is the questioning with an open mind, of any belief, and then, coming to an unbiased conclusion supported by evidence and scrutinized assumptions. The American Accounting Association defines it as "exploring questions about and solutions for issues which are not clearly defined and for which there are no clear-cut answers".

Required Course: CPH 529 Project Design and Implementation in Global Health & Development

Timing of course: Fall semester

Catalog Description: This course will equip students with skills in conceptualizing, developing, implementing, and evaluating small-scale projects in global health and development.

Course Overview: The focus of this course is to equip participants with skills in conceptualizing, developing, implementing, and evaluating small-scale projects in global health and development. The course will provide instructions on sources of funding for health and development projects, and will equip participants with skills in how to: Assess and prioritize community health needs; Develop projects goals and objectives that are SMART (specific, measurable, achievable, realistic, and time-framed); Select appropriate designs (including how to develop project conceptual and theoretical models); Collect and organize data; Implement and evaluate projects (including how to develop project logic models); Develop and justify project budgets; Foster community participation; and Promote project sustainability.



Required Course: CPH 530 Nutrition in Global Health & Development

Timing of course: Spring semester

Catalog Description: This course focuses on nutritional issues of women and children in low and middle income countries. Local and international programs that combat malnutrition will be evaluated in the context of socioeconomic development and current political/economic policies and realities.

Course Overview: This course is designed to equip participants with skills in analyzing major food and nutritional issues that affect health, survival, and human development in resource-limited settings. Course participants will review and appraise previous and current initiatives for addressing hunger and food insecurity at household, community, national, and international levels. The use of alternative technologies and micro-enterprise approaches to address hunger and food insecurity at the household and community levels will be discussed.

Required Course: CPH 534 Infectious Diseases, Global Health & Development

Timing of course: Spring semester

Catalog Description: The purpose of this course is to equip participants with up-to-date knowledge on major infections of global importance, and prevention and control strategies so that infections and large disease outbreaks can be prevented and/or easily contained.

Course Overview: Participants will gain insight into how prevention and control programs can be integrated to deal with co-infections, especially in the case of immune deficiency as occurs with HIV and other infections. We will begin by examining how human behavior and environmental factors may influence infectious disease occurrence/outbreaks and then study vaccine preventable infections. We will also cover HIV, tuberculosis, viral hepatitis and malaria and diarrhea as specific major infections. The influences of the environment on a tropical disease such as malaria often differ from those predominating in temperate areas due to environmental factors such as climate and the presence of insect vectors. For each disease we will identify the agent(s) responsible for the disease, fundamentals of the clinical course/pathogenesis, mode of transmission including any vectors which may be involved, the geographical distribution and the number of individuals affected or at risk, the descriptive epidemiology including elements of the population most at risk, the principal methods available for control (e.g., vaccines, environmental control, behavior modification) and usual or new methods of treatment. This course addresses the discipline-specific competencies of the Association of Schools of Public Health (ASPH) for the domains on epidemiology (“the study of patterns of disease and injury in human populations and the application of this study to the control of health problems”) and public health biology (“the ability to incorporate public health biology – the biological and molecular context of public health – into public health practice”).

Elective Course: CPH 540 Microfinance and Social Business in Global Health & Development

Timing of course: Summer

Catalog Description: This course will give you an introduction to poverty and its impact on the health of the family and the community.

Course Overview: Together we will define ways of assessing poverty and discover multiple means of breaking the cycle. This will be done through literature searches, identifying available resources, field experience, and personal contacts. You will make a loan to a borrower, establish an email communication with the borrower or agency and be allowed to see poverty through the eyes of one who faces it every day. You will also witness the impact that a small amount of capital can do to lift the borrower out of the depths of poverty and break the cycle. You will gain an understanding of the economics of globalization and the interplay or relationship between work, wealth, and health.

Elective Course: CPH 599 Independent Studies in Global Health & Development Issues

Timing of course: Varies

Catalog Description: Qualified students will work on an individual basis with professors who have agreed to supervise such work.

Course Overview: The scope and focus of the independent studies will be on a particular subject related to global health and development.

Other Elective Courses:

With approval of the program faculty, existing online global health and development courses in the Mel and Enid Zuckerman College of Public Health may be taken to fulfill the elective course requirement of the program. Additional elective courses are also being developed.

Program Management Information

Regular grades (A, B, C, D, F) will be awarded for all courses required for this certificate.

Please be aware that the Graduate College requires that all certificate students have a 3.0 GPA or higher in the certificate coursework before they can complete the certificate. If you are in danger of falling below a 3.0, please contact Michael Tearne, MEd, Certificate Programs Coordinator at coph-certificate@email.arizona.edu (tel: 520-626-2112) to discuss a plan of action. You can obtain a C in a class and still complete the certificate; just understand that you will need an A in another class to balance out the C.

A student who fails to achieve a passing grade in a course can retake the course only once. Students who do not pass the required 13 credits will only receive credits for the courses passed, but will not qualify for the certificate. All courses will be taught by

experienced instructors with a solid track record of teaching graduate students, using web-based technologies.

Transfer of Credits

Transfer of credits from other institutions into the program will not be accepted. Students will obtain graduate credits through the program. These credits may be transferred to other graduate programs, but that decision will be based on the graduate program's requirements and at the discretion of the program administrators.

Student Advising

Student advising will be handled by the MEZCOPH Office of Student Services and Alumni Affairs. This office currently provides student advising services for MEZCOPH students who have been admitted into graduate and undergraduate degree, and certificate programs. The following is a list of advising services provided by the Office of Student Services and Alumni Affairs:

- Respond to prospective student inquiries
- Collect application materials, review for completeness, and disseminate to faculty reviewers in fall and spring
- Communicate with students regarding course registration, plans of study, and other policies
- Collaborate with the student and Graduate College on admissions and certificate completion
- Collaborate with the student and Outreach College regarding student eligibility for registration and other student issues

Transfer to the MPH Program

Students interested in transitioning to the Master of Public Health (MPH) degree program will submit an application to the MPH program via the centralized application service, SOPHAS (Schools of Public Health Application Service). They will be considered for admission into the MPH program along with other candidates applying for admission. Credits from all courses will, if the student's performance is consistent with admission requirements, be allowed to transfer to the MPH degree program at the discretion of the MPH concentration.

Cost

The cost for this certificate includes tuition and fees for a total of 13 credit units. The tuition rates are outlined by the [UA Bursar's Office](#) (dependent on state of residence) and there is a \$250/unit certificate fee. Certificate students are ineligible to receive financial aid of any kind (including graduate assistantship benefits and College of Public Health student scholarships).

Payment

Once admitted to the program through the University of Arizona Graduate College, enrollment into courses and tuition payments will be made through the [UA Outreach College](#).



FURTHER DETAILS AND PROGRAM CONTACT

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