Certificate|Close-Modify for request 12137

Info

Request: One Health Certificate Modification
Description of request: Modify certificate credits, description and requirements.
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Created: 4/3/2018 4:45:45 PM
Form version: 6

Responses

Current Certificate Name

Response:
One Health

Effective Term
Select the requested term and year that the certificate change(s) will first be implemented. Selecting "Earliest" will allow the change to be effective in the earliest term after full approval.

Response:
Summer

Effective Year

Response:
2018

Requested Action

Response:
Other (selecting this option will open additional form fields below)

Change Certificate Name?

Response:
No

Proposed Certificate Name

Response:
NA

Change Certificate Name on Transcript?

Response:

No

Current Transcript Name

Response:
NA

Proposed Transcript Name (21 char. max)

Response:
NA

Change Credit Hours?

Response:
Yes

Current Credit Hours

Response:
9

Proposed Credit Hours

Response:
12

Change Certificate Description?

Response:
Yes

Current Certificate Description

Response:
Each year, a class of up to 50 international public health professionals are provided with US government scholarship funding to participate in this 12 semester hour program. The Certificate is earned through 18 days of versatile, intensive training coupled with year-round, web-based distance learning training.

Proposed Certificate Description (50 word max)

Response:
This 12-credit certificate is composed of one on-campus module, one online core, and, two elective online courses. The elective courses can fall under one of the following four

recommended tracks: pathogens, contaminants and health; urban development and health; ecosystems and health; and communication, behavior and health.

Change Certificate Prerequisites?

Response:
No

Current Prerequisites

Response:
NA

Proposed Prerequisites

Response:
NA

Change Certificate Requirements?

Response:
Yes

Current Requirements

Response:
The courses the students are required to take according to the current certificate are the following (they are all core courses):

- PHC 6006 – An Introduction to One Health Problem Solving (2 credits, letter-graded ,on-campus)
- PHC 6561 – Public Health Laboratory Techniques (1 credit, letter-graded, on-campus)
- PHC 6313 – Environmental Health Concepts in Public Health (3 credits, letter-graded)
- PHC 6515 – Introduction to Entomology Zoonotic Diseases and Food Safety (3 credits, letter-graded)

Proposed Requirements

Response: See attached chart for further explanation.

PHC6XXX
Systems Thinking in One Health
(pending review by GCC https://secure.aa.ufl.edu/Approval/reports/12129)
(3 credits, letter-graded, on campus)

PHC 6313 – Environmental Health Concepts in Public Health
(3 credits, letter-graded, online)

Students choose two elective online courses in 1 of 4 tracks from this list. Some tracks require 1 elective core (marked as core) and an option of one elective.

Course marked with (*) require permission of instructor

Track 1: Communication, Behavior and Health, chose 1 core and 1 elective

PHC 6410 (core)
Psychological, Behavioral, and Social Issues in Public Health
(3 credits, letter-graded)

FOR 6005 (core)
Conservation Behavior
(3 credits; letter-graded)

VME 6051 (elective)
Cruelty to Animals and Interpersonal Violence
(3 credits, letter-graded)

FNR 6061 (elective)
Conflict and Collaboration in Natural Resources
(3 credits, letter-graded)

HUM5357 (elective)
Creativity and Health: Foundations of the Arts in Medicine
(3 credits; letter-graded)

MMC 5708 (elective)
Foundations of Intercultural Communication
(3 credits; letter-graded)

Track 2: Urban Development and Health, chose 1 core and 1 elective

DCP 6913 (core)
International Sustainable Development
(4 credits; letter-graded)

DCP6205 (core)
Ecological Issues in Sustainability and the Built Environment
(3 credits; letter-graded)

ENV6617 (core)
Principles of Green Engineering Design and Sustainability
(3 credits; letter-graded)

URP 6042 (elective)
Urban Economy
(3 credits; letter-graded)

FOR 6543 (elective)
Natural Resource Economics and Valuation
(3 credits; letter-graded)

Track 3: Ecosystems and Health. Choose 2 electives

SWS 5246 (elective)
Water Resource Sustainability

(3 credits, letter-graded)

WIS6576 (elective)
Human Wildlife Conflict
(3 credits, letter-graded)

FAS 5051 Aquaculture I,(elective)
Introduction to Aquaculture
(3 credits, letter-graded)

ALS 5155* (elective)
Global Agroecosystems
(3 credits; letter-graded)

ALS 6935* (elective)
Topics in Biological Invasions
(3 credits; letter-graded)

Track 4: Pathogens, Contaminants and Health, chose 1 core and 1 elective

PHC6515 (core)
Introduction to Entomology, Zoonotic Diseases, and Food Safety
(3 credits, letter-graded)

SWS 5551* (core)
Soils, Water, and Public Health
(3 credits, letter-graded)

PHC 6001 (elective)
Principles of Epidemiology in Public Health
(3 credits, letter-graded)

PHC 6520 (elective)
Foodborne Diseases*
(3 credits, letter-graded)

PHC 6937 – Environmental Ecology of Human Pathogens (elective)
(3 credits, letter-graded, in approval process)

PHC 6937
Environmental Toxicology in Public Health (elective)
(3 credits, letter-graded, in approval process)

PHC6301 (elective)
Aquatic Systems and Environmental Health
(3 credits, letter-graded)

ENY 6665* (elective)
Advanced Medical and Veterinary Entomology I
(3 credits, letter-graded)

Impact on Program

Response:
Proposed changes will

1. Increase the number of credits from 9 credits to 12 credits.

2. Give students the possibility of taking electives that capture other aspects of one health beyond infections disease. The current certificate has 4 core courses with no elective options. The modified certificate would be composed of: two 3-credit core courses and two 3-credit elective courses within tracks.

3. Render the current core online course PHC 6515 – An introduction to Entomology Zoonotic Diseases and Food Safety, an elective within a list of other elective courses.

4. Replace the current two on-campus core courses, namely PHC 6006 – Introduction to OH problem solving (2 credits) and PHC 6561 – Laboratory Methods for One Health (1 credit), with one new 3-credit course: PHC6XXX-Systems thinking in One Health. As the previous two courses, this course will also be delivered on-campus. The syllabus for this new course has been submitted through the platform for proposals of new courses to be reviewed by the Committee during the same session.

Rationale for Proposed Change(s)

Response:
The certificate will enable UF to become more competitive and a true leader in the field of One Health, by offering an innovative curriculum designed to capitalize on interdisciplinarity
The rationale for replacing the two core courses with a new course is based on the vision that students with different backgrounds should engage and contribute to the One Health effort. The two current courses have a focus in training professionals in the field of emerging infectious diseases, both in laboratory methods and in the theories related to the emergence of infectious diseases. The new core course we propose will deliver the principles of transversal tools essential for every and, any professional who wants to engage in health in a globalized environment, such as communication, economics and systems thinking. The goal of the course is to develop a common language across disciplines and to deliver content that suits the diverse professional background of students we are expecting to have. The modification of the certificate will bring more disciplines into play through offering a series of elective choices within 4 focused tracks (communication, behavior and health; urban development and health; ecosystems and health; pathogens, contaminants and health) and help build a next generation of professionals capable of identifying the opportunities at the intersection between different disciplines and health and that of exploiting the value of multidisciplinary teams.

Assessment Data Review
Describe the Student Learning Outcome and/or program goal data that was reviewed to support the proposed changes.

Response:
The current certificate has one student learning outcome under the Content Knowledge category:
-Explain how One Health is used to tackle complex public health problems. The SLO is tied to PHC 6313 therefore no changes are proposed for the Student Learning Outcome.

Academic Assessment Plan Changes
Describe the modifications to the Academic Assessment Plan that result from the proposed change.

Response:
Students were previously assessed through the successful completion of a final paper in the required certificate course PHC6515 An Introduction to Entomology, Zoonotic Diseases, and Food Safety.

The modification proposes that each student will be assessed through a final paper in the required certificate course PHC 6313 Environmental Concepts in Environmental Health. In this final paper, students are asked to demonstrate how their knowledge of One Health can be used to tackle complex health problems. The final paper gives certificate students an opportunity to apply the knowledge they have acquired from their required certificate courses to a specific complex health problem. A grade of 80% or better on the final paper is needed in order to successfully complete this assignment.

Proposed Requirements

PHC 6XXX--Systems Thinking in One Health (3 credits, letter-graded, on campus)
PHC 6313 – Environmental Health Concepts in Public Health (3 credits, letter-graded, online)

Students choose two elective online courses in 1 of 4 tracks from the list below.
Some tracks require one elective core (marked as core) and an option of one elective.

Track 1: Communication, Behavior and Health, chose 1 core and 1 elective	Track 2: Urban Development and Health, chose 1 core and 1 elective	Track 3: Ecosystems and Health. Choose 2 electives	Track 4: Pathogens, Contaminants and Health, chose 1 core and 1 elective
PHC 6410 (core) Psychological, Behavioral, and Social Issues in Public Health (3 credits, letter-graded) FOR 6005 (core) Conservation Behavior (3 credits; letter-graded) VME 6051 (elective) Cruelty to Animals and Interpersonal Violence (3 credits, letter-graded) FNR 6061 (elective) Conflict and Collaboration in Natural Resources (3 credits, letter-graded) HUM5357 (elective) Creativity and Health: Foundations of the Arts in Medicine (3 credits; letter-graded) MMC 5708 (elective) Foundations of Intercultural Communication (3 credits; letter-graded)	DCP 6913 (core) International Sustainable Development (4 credits; letter-graded) DCP6205 (core) Ecological Issues in Sustainability and the Built Environment (3 credits; letter-graded) ENV6617 (core) Principles of Green Engineering Design and Sustainability (3 credits; letter-graded) URP 6042 (elective) Urban Economy (3 credits; letter-graded) FOR 6543 (elective) Natural Resource Economics and Valuation (3 credits; letter-graded)	SWS 5246 (elective) Water Resource Sustainability (3 credits, letter-graded) WIS6576 (elective) Human Wildlife Conflict (3 credits, letter-graded) FAS 5051 Aquaculture I,(elective) Introduction to Aquaculture (3 credits, letter-graded) ALS 5155* (elective) Global Agroecosystems (3 credits; letter-graded) ALS 6935* (elective) Topics in Biological Invasions (3 credits; letter-graded)	PHC6515 (core) Introduction to Entomology, Zoonotic Diseases, and Food Safety (3 credits, letter-graded) SWS 5551* (core) Soils, Water, and Public Health (3 credits, letter-graded) PHC 6001 (elective) Principles of Epidemiology in Public Health (3 credits, letter-graded)

*requires permission of instructor