

FORM G
BOARD OF REGENTS, STATE OF IOWA
PROPOSAL FOR PROGRAM/DEPARTMENT NAME CHANGE

Institution: Iowa State University

Current Title of Program/Department: Emerging Global Diseases minor

Proposed Title of Program/Department: Global Health minor

Name of College: Agriculture and Life Sciences

Approximate date to implement changes: Month August Year 2019

Contact person: (name, telephone, and e-mail) Russell Jurenka, 294-1485, rjurenka@iastate.edu

Please do not use acronyms without defining them.

1. Describe reasons (justification) for the proposed changes.

To meet the demands and career interests of students at Iowa State University in the diverse and global aspects of health, it is proposed to establish a *Global Health* minor by the renaming of the *Emerging Global Diseases* minor and creating biological science and social science tracks. The *Emerging Global Diseases* minor historically has had approximately 12 students enrolled each year. The *Global Health* minor is expected to draw a larger number of students since it will cover a greater number of topics and issues that impact health, in addition to many of those courses currently covered in the *Emerging Global Diseases* minor.

In addition to meeting student needs as well as the international demand for qualified workers in global health, a Global Health minor will allow ISU to join its peer institutions in the Consortium of Universities for Global Health. <https://www.cugh.org/content/cugh-member-benefits>

2. How will the proposed change affect current students?
 Students currently in the Emerging Global Diseases minor will finish requirements for the minor and once the name change has been approved new students will sign-up for the Global Health minor.
3. If relevant, have accreditation requirements been addressed? Not relevant.
4. If relevant, describe program configuration changes that will accompany the proposed program or department name change, e.g., change in number of credit hours required, faculty appointments, etc.

No change in faculty appointments or new courses required.

The courses required for the minor will be changed as follows:

The minor will require a minimum of 15 credits with all students required to take Global Health (VMPM/MICRO/GLOBE 360) and Insects and Our Health (ENT/MICRO 374). The remaining credits to fulfill the minor will come from courses listed in two tracks:

1. Biological sciences of health
2. Social sciences aspect of health

Students must select a minimum of three credits from each of the two tracks, and an additional three credits from either track. Students may petition to take courses not on the approved list, providing these courses can be shown to include substantial study related to global health.

Required of all Global Health minor students

VMPM/MICRO/GLOBE 360: Global Health (3 cr., F)

ENT/MICRO 374: Insects and Our Health (3 cr., S)

Biological Science Track

HS 350: Human diseases (3 cr., F, S, SS)

MICRO 310: Medical microbiology (3 cr., F)

MICRO/BIOL/V PTH 353: Introductory parasitology (3 cr., S)

FS HN 460: Global nutrition (3 cr.)

BIOL 328 Molecular and cellular biology of human diseases (3 cr., F)

VDPAM/VMPM 428: Principles of epidemiology and population health (3 cr., S)

Social Science Track

ECON/GLOBE 385: Economic development (3 cr.)

AGRON/FS HN/ENV S/T SC 342: World Food Issues: Past and Present (3 cr.)

FS HN 442: Issues in Food and Society (2 cr.)

GLOBE 330x: Global health disparities (3 cr., S)

SOC 345: Population and society (3 cr., F)

SOC 348: Global poverty, resources and sustainable development (3 cr.)

SOC 411: Social change in developing countries (3 cr., S)

These requirements are different from the Emerging Global Diseases (EGD) minor in that all students will now take VMPM/MICRO/GLOBE 360: Global Health and ENT/MICRO 374: Insects and Our Health. The courses listed in the Biological Science track were included in the EGD minor as were many of the courses in the Social Track. New social courses include: FS HN 442, GLOBE 330x, SOC 411, SOC 345, SOC 348.

See attached a document describing the proposed Global Health minor (including memos of support from Global Resource Systems, Microbiology, Food Science and Human Nutrition, Sociology, and Veterinary Microbiology and Preventive Medicine) and a document describing the current Emerging Global Diseases minor for comparison.

5. If relevant, identify resources that will be needed in connection with the proposed program or department name change, e.g., facilities, faculty, funds, etc.
No new resources will be needed.
6. Is this intended to be a temporary or permanent change? If temporary, for how long?
Permanent change.

Proposed name change of Emerging Global Diseases minor to Global Health minor

To meet the demands and career interests of students at Iowa State University in the diverse and global aspects of health, it is proposed to establish a *Global Health* minor by the renaming of the *Emerging Global Diseases* minor and creating biological science and social science tracks. The *Emerging Global Diseases* minor historically has had approximately 12 students enrolled each year. The *Global Health* minor is expected to draw a larger number of students since it will cover a greater number of topics and issues that impact health, in addition to many of those courses currently covered in the *Emerging Global Diseases* minor.

Summary of the Global Health minor

The Global Health minor is a transdisciplinary program designed for students who seek a broad and flexible set of skills for understanding contemporary health challenges and broad-based thinking in finding solutions. Humans are at the core of Global Health, which is viewed and addressed through an understanding of disease, disease transmission, health and well-being. Global health incorporates all cultures and places and integrates knowledge of health's social, anthropological, historical, biological, and ecological dimensions. The program cultivates capacities to deal with complex problems across disciplines and social constructs: how to identify the critical issues, ask the right questions, and create solutions that are meaningful, lasting and effective.

Requirements of the Global Health minor

The Global Health minor will consist of selecting courses that have at their core a focus on health, disease transmission, and social aspects that pertain to health. The minor will require a minimum of 15 credit hours with all students required to take Global Health (VMPM/MICRO/GLOBE 360) and Insects and Our Health (ENT/MICRO 374). The remaining credits to fulfill the minor will come from courses listed in two tracks:

3. Biological sciences of health
4. Social sciences aspect of health

Students must select a minimum of three credits from each of the two tracks, and an additional three credits from either track. Students may petition to take courses not on the approved list, providing these courses can be shown to include substantial study related to global health.

Required of all Global Health minor students

VMPM/MICRO/GLOBE 360: Global Health (3 cr., F)

ENT/MICRO 374: Insects and Our Health (3 cr., S)

Biological Science Track

HS 350: Human diseases (3 cr., F, S, SS)

MICRO 310: Medical microbiology (3 cr., F)

MICRO/BIOL/V PTH 353: Introductory parasitology (3 cr., S)

FS HN 460: Global nutrition (3 cr.)

BIOL 328 Molecular and cellular biology of human diseases (3 cr., F)

VDPAM/VMPM 428: Principles of epidemiology and population health (3 cr., S)

ENT 374L: Insects and our health laboratory (1 cr., Alt S)

Social Science Track

ECON/GLOBE 385: Economic development (3 cr.)

AGRON/FS HN/ENV S/T SC 342: World Food Issues: Past and Present (3 cr.)

FS HN 442: Issues in Food and Society (2 cr.)

GLOBE 330x: Global health disparities (3 cr., S)

SOC 345: Population and society (3 cr., F)

SOC 348: Global poverty, resources and sustainable development (3 cr.)

SOC 411: Social change in developing countries (3 cr., S)

Administration of the Global Health Minor

The advising and administration of the Global Health Minor will be within the Department of Entomology. The Entomology faculty voted in favor of this name change proposal.

See memos from other Departments/Programs including Global Resource Systems, Microbiology, Food Science and Human Nutrition, Sociology, and Veterinary Microbiology and Preventive Medicine.

Benefits to ISU to have a Global Health minor

In addition to meeting student needs as well as the international demand for qualified workers in global health, a Global Health minor will allow ISU to join its peer institutions in the Consortium of Universities for Global Health.

<https://www.cugh.org/content/cugh-member-benefits>

CUGH membership benefits include:

- The ability to use CUGH's members-only online global health interest groups and discussion boards to share knowledge, build partnerships and engage in advocacy across research, education and service;
- Discounted rates for CUGH's conferences, webinars and workshops;
- Access to CUGH's members-only online job opportunities board and funding opportunities board;
- Receive monthly updates on global health activities from around the world via CUGH's Global Health Bulletin;
- Participation in CUGH's committees;
- Connecting to a network of over 24,000 individuals involved in global health and over 170 academic institutions worldwide;
- Networking with leading academic global health programs and directors via our global health directors network;
- Participating in advocacy efforts on global health issues and for academic--based global health programs;
- Access to CUGH's online information hub of educational and program development materials;
- Accessing mentorship and assessment services via our Global Health Program Advisory Service;*
- Institutional voting rights in CUGH elections and initiatives;*
- Opportunities for participation and institutional representation on CUGH's Board of Directors.*

**Full institutional members only*

The American Association of Veterinary Medical Colleges (AAVMC), a leader in veterinary education, is a member of CUGH. CUGH has recently developed an interest group on Global Environmental

Health/One Health. AAVMC has participated in CUGH annual meetings as well as hosted events to foster awareness and collaboration with CUGH and its members. <http://www.aavmc.org/strategic-plan/one-health>

Criteria for a full member:

- Have at least one interdisciplinary program;
- Must work in health across education, research, and service;
- Have at least one long-term partnership with an LMIC institution.

<https://www.cugh.org/content/cugh-member-benefits>

Current Emerging Global Disease minor

Minor - Emerging Global Diseases

Entomology administers the Emerging Global Diseases minor (see <http://www.ent.iastate.edu/egd>). Core courses address the biology of emerging disease agents (e.g., protozoa, fungi, microbes, and viruses), the clinical manifestations and epidemiology of emerging diseases, and the impact of those diseases on human interactions and socioeconomics. One course must be taken from each of three core areas:

Pathogens and Disease		
<u>MICRO 310</u>	Medical Microbiology	
<u>MICRO 353</u>	Introductory Parasitology	
Sociology and Economics		
<u>SOC 411</u>	Social Change in Developing Countries	
<u>SOC 345</u>	Population and Society	
<u>FS HN 342</u>	World Food Issues: Past and Present	
Arthropod-borne Diseases		
<u>ENT 374</u>	Insects and Our Health	
<u>ENT 574</u>	Medical Entomology	
<u>MICRO 353</u>	Introductory Parasitology	

The remainder of the credits (for a total of 15) may be selected from any of the above-listed courses not selected, and from other appropriate courses as approved by Emerging Global Diseases program advisers.

Memos of support

IOWA STATE UNIVERSITY
OF SCIENCE AND TECHNOLOGY

College of Agriculture and Life Sciences
Interdepartmental Microbiology Program
207 Science I
2237 Osborn Drive
Ames, Iowa 50011-1027
515 294-1630
FAX 515 294-6019

March 26, 2019

Russell Jurenka
Entomology
Iowa State University

RE: Global Health Minor

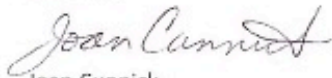
Dear Russ,

Thank you for sharing your proposal for the Global Health Minor that will replace the Emerging Global Diseases Minor. I have shared the Proposal with the Microbiology Program Supervisory Committee and we concur that this would be of interest to our undergraduate students and support the changes outlined in your proposal.

One strength of the Global Health Minor as well as the Emerging Global Diseases Minor is the interdisciplinary set of classes that from both biological sciences of health (& disease) and social aspects of health which gives breadth to the health perspectives of students coming from a biological sciences background or a social sciences background.

Best of luck with the new minor.

Sincerely,



Joan Cunnick
Professor in charge of the Undergraduate Microbiology Major

April 1, 2019

Dr. Russ Jurenka
Department of Entomology
Iowa State University
2310 Pammel Drive
Ames, IA 50011

RE: Global Health Minor

Dear Russ,

I shared the proposed Global Health Minor with the faculty and academic advisor of Global Resource Systems (GRS). The faculty vote on March 27, 2019 was unanimous to support replacing the Emerging Global Diseases Minor with the proposed Global Health Minor.

The GRS faculty value the interdisciplinary emphasis with the two tracks of biological and social sciences in the proposed Global Health Minor. We also believe that the number and breadth of courses in the two tracks are sufficient so that students may complete the minor in a timely manner. We envision that there will be interest from GRS majors and a wide array of students in various majors in the College of Agriculture and Life Sciences.

The GRS program also agrees with and confirms the inclusion of GLOBE 330X as an option for a course in the minor.

Sincerely,



Gail R. Nonnecke, Ph.D.
University Professor
Morrill Professor
Faculty Coordinator and Global Professor in Global Resource Systems

Veterinary Microbiology and Preventive Medicine

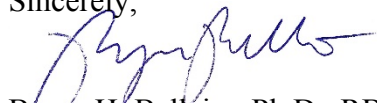
4/5/2019

Department Support for VMPM360 for Global Health minor

Dear Dr. Russ Jurenka,

Our department has reviewed and approved Dr. Radford Davis's Global Health course VMPM/GLOBE 360. This letter also affirms the listing of this course as part of the Global Health minor curriculum.

Sincerely,



Bryan H. Bellaire, Ph.D., RBP, SM(NRCM)

Associate Professor

Chair, Interdepartmental Microbiology Graduate Program

BSL3 Laboratory Director

Veterinary Microbiology and Preventive Medicine

Iowa State University

2130 Veterinary Medicine Complex

Ames, IA 50011

March 14, 2019

Dr. Jurenka –

The Department of Food Science and Human Nutrition curriculum committee reviewed the proposal for a Global Health Minor. The Department recently surveyed of students that indicated significant interest in a Global Health Minor. The committee is supportive of the proposed minor with consideration for the following recommendations:

Add FSHN 342 (AGRON 342) and FSHN 442 to the list of course options.

Reconsider HS 310, POL S 344 and SOC 331 – these courses appear to have a domestic focus rather than a global focus.

Ruth

Ruth Litchfield, PhD, RD, LD

Professor Department of Food Science and Human Nutrition

Jane Armstrong Endowed Chair in Food Science and Human Nutrition

State Nutrition and Wellness Specialist, Human Sciences Extension and Outreach

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www.extension.iastate.edu/humansciences

From: Bain, Carmen M [SOC A]

Sent: Friday, April 5, 2019 7:49:34 AM

To: Peters, David J [SOC A]

Subject: FW: Undergrad CC: Approval needed for Emerging Global Disease name change

Dave Peters,

I am probably too late in getting back to you. The Undergraduate Curriculum Committee approves of the name change. I also corresponded with the Sociology faculty who teach our development classes (Shawn, Ann, Abdi) and they are strongly in support of the name change and believe that the name change would increase visibility and enrollment in our classes. Please convey our strong support to Russ,

Carmen Bain, PhD

Associate Professor

Department of Sociology

316 East Hall

Iowa State University

Tel: (515) 294-9895

Email: cbain@iastate.edu

Academic Program Approval Voting Record

This document is to be appended as the last page of the proposal for any new or revised academic program to record the successive votes of approval as the proposal moves through its required review and approval steps. Consult Faculty Handbook Section 10.8 or the Faculty Senate Curriculum Committee website for information regarding Committee review and voting requirements for each action.

Curricular Action: (check appropriate boxes below)

1. New Program Name Change Discontinuation Concurrent Degree for:
2. Undergraduate Major Graduate Major Undergraduate Minor Graduate Minor
 Undergraduate Certificate Graduate Certificate Other: _____
3. Name of Proposed Change: Minor in Global Health
4. Name of Contact Person: Russell Jurenka e-mail address: rjurenka@iastate.edu
5. Primary College: Agriculture and Life Sciences Secondary College: _____
6. Involved Department(s): Entomology _____

Voting record for this curricular action:

Voting Body	Votes			Date of Vote
	For	Against	Abstain	
Dept. or Program Committee				
Entomology faculty	7		2	March 18, 2019
College Curriculum Committee				
Agriculture and Life Sciences	13	0	0	April 8, 2019
College Approval Vote	123	3	7	April 25, 2019
Graduate Council				
Faculty Senate Curriculum Committee	6	0	0	September 12, 2019
Faculty Senate Academic Affairs Council	6	0	0	October 23, 2019
Faculty Senate				