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:

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

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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
Empowering People. Growing Lives

220 MacKay Hall | 2302 Osborn Drive | Ames, Iowa 50011-1078
p. (515)294-9484 | f. (515)294-6193 | e. litch@iastate.edu

www.extension.iastate.edu/humansciences
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:

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<thead>
<tr>
<th>Voting Body</th>
<th>Votes</th>
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<tbody>
<tr>
<td>Dept. or Program Committee</td>
<td></td>
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<tr>
<td>Entomology faculty</td>
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<td>Faculty Senate Academic Affairs Council</td>
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[FSCC – November 2013]