

## COVER SHEET

### INDIVIDUAL AREA MAJOR PROPOSAL

DATE: 1-13-16

SUBMITTED

TITLE OF PROPOSED MAJOR: International Health and Policy

FACULTY ADVISOR(S):

Rachel Kimbro (signature)  
Dr. Rachel Kimbro, Sociology (printed name, Dept.)

Varian Ho (signature)  
Dr. Varian Ho, Baker Institute (printed name, Dept.)

Michael C. K. (signature)  
Dr. Mike Gustin, BioSciences (printed name, Dept.)

OFFICE OF ACADEMIC ADVISING

Aliya Bhimani (signature)  
Aliya Bhimani (signature)

## Proposal for an Area Major in International Health and Health Policy

As a high school student interested in biology and politics, ready to “change the world” I wrote in my college admissions application to Rice,

“I will take my interests in microbiology, public policy, and international relations to tackle diseases globally. My destinations are: India, Cuba, Israel, Iran, Australia, Nigeria, North Korea, Kenya, and China. My knowledge will not be confined to a research lab; conversely, I will also travel the world, from the World Health Organization in Geneva to Haiti, meeting, learning, and curing.”

This highlights my academic interests that have been long established. This interest has only grown since coming to Rice.

Many factors, both in and out of the classroom, led me to pursue this field of study. As a student I have been intrigued by the extreme detail in evaluating the mechanisms that the human body uses to defend against and respond to disease. Additionally, I have been equally intrigued by approaching disease and health macroscopically by looking at how societal experiences (socioeconomic status, gender, race, etc) can dramatically increase risk of certain conditions and diseases and how certain public policy approaches leave some populations unreached. Outside of the classroom, my work in a BRC research lab (with projects primarily focused on lung cancer) has exposed me to microscopic approaches to addressing widespread disease. Additionally, I have experience conducting yearlong independent study examining the spread of HIV/AIDS globally by evaluating cultural factors and health policy implications of HIV/AIDS in the United States, Nigeria, and India. These experiences have lead me to pursue a major that encompasses a strong appreciation for biology, sociology, and public policy, all in a global context.

The World Health Organization describes public health as “referring to all organized measures (public and private) to prevent disease, promote health, and prolong life among the population as a whole.” The term international health recognizes that as a result of globalization, responding to public health issues now requires attention to cross-border health risks. Additionally, having an appreciation for how the body copes with infections, cancer, and other diseases helps to better understand these health risks. Evaluating these risks from a macro/policy perspective helps understand how these global health concerns are being combatted. My proposed major would feature components in all of these fields. Essentially, I have 5 main objectives that I hope to achieve through this International Health and Policy major:

1. Describe both biological and public health influences on leading health concerns (cancer, asthma, obesity, AIDS, Heart Disease).
2. Strengthen understanding of the human body from a micro and macro perspective and its interactions with various diseases.
3. Assess the effectiveness of various public health policy programs around the globe.
4. Develop an understanding of the effects of increasing globalization on health and policy.

5. Establish a strong understanding of how increasing inequality (racial, gender, and socioeconomic) influences health disparity among these respective populations.

The traditional medical model revolves around scientific development of cures to diseases and clinical strategies of treating patients on an individual basis; I firmly believe that this model is evolving rapidly. New humanities and social science MCAT requirements reflect a shift towards the development of doctors with a more balanced academic background. Additionally, the most recent Ebola outbreak reflects this rapid evolution. This epidemic was addressed in a threefold manner through diligent lab-work in microbiology (through the development of the “secret serum” that saved 2 American Doctors), changing of international public policy (discussions of closing borders), and public health (through public education of the virus, contraction prevention techniques, and the ethics of quarantining Ebola patients). I firmly believe that future approaches to diseases will require this multipronged approach. I would like my academic background at Rice to provide me with a strong wealth of knowledge that will help me understand disease in this multifaceted context. After graduation, I hope to enter an M.D./ Masters of Public Health joint degree program. The interdisciplinary nature, academic rigor, and breadth of this proposed area major will prepare me for this goal.

Modeled after Johns Hopkins University’s Public Health major, Georgetown University’s Bachelor of Science in International Health, and Cornell University’s Global and Public Health undergraduate major, my proposed curriculum has requirements which provide a strong background in international health and Policy. Rice has a plethora of resources devoted to the departments represented. However, there is no major at Rice that integrates these fields of study found at peer universities. A degree that encompasses the courses listed below would require a triple major and triple minor; this would be both unfeasible and would include courses unrelated to my proposed major. The most comparable options available offered by Rice are: Global Health Technology minor and Kinesiology (Health Sciences major). The Global health technology minor seeks to address global health disparities through the field of biotechnology/bioengineering. While extremely interesting, 3/5 of the core GLHT courses feature a strong bioengineering component, a component that would be replaced and extended by a policy approach to global health. Similarly, while “Health Science” does feature many public health courses as electives, its prime focus of “health promotion and education” is not internationally focused, does not feature STEM heavy biology focused courses, and its emphasis on health education and promotion falls outside of the scope of my proposed major. There have also been discussions hinting at the development of a new “public health” major or minor which would not address many aspects of this proposal. Additionally, the timeline of the development for this potential major/minor leaves it as an infeasible alternative.

The challenge with any new area major is creating a degree plan that encompasses the rigor, depth, breadth and support system of typical Rice majors. In discussion with faculty members these concerns have been addressed with a strong and organized course of study. This major is supported by faculty members. I have gathered support and advice from a variety of faculty members including: Dr. Richards-Kortum (Director of the 360: Institute for Global Health), Kristen Osther ( Co director of the Rice-UT Public Health Scholars Program), Dr. Vivian Ho (Baker institute Chair in Health Economics), Dr. Rachel Kimbro (professor of Medical Sociology and Director of Urban Health Program at the Kinder Institute for Urban Research), Dr. Michael Gustin (Professor of BioSciences)

January 2016

and many others. Their willingness to offer guidance and involvement within my field of interest provides a strong network of support typically found in established majors. Ultimately, with a degree in International Health and Policy from Rice I firmly believe that I can take my aforementioned “interests in biology, public policy, and international relations to tackle diseases globally.”

**Core Course Requirements (24 credit hours):** 8 Courses in biology, anthropology, global health, statistics and health disparities will serve as foundation for the major’s interdisciplinary scope.

**Italicized courses represent classes that have been taken, courses with an asterisk represent courses will be offered in the next 2 semesters and courses with two asterisks represent courses that will be offered before graduation**

Anth 381 Medical anthropology\*

*Bioc 201 Introduction to Biology*

*Glht 201 Bioengineering and World health*

*Psych 101 Introduction to Psychology*

*Soci 101 Introduction to Sociology*

Kine 319- Stats for Health Professional \*

Acceptable statistic based course alternatives: Psych 339- Statistical Methods- Psychology\*, Stat 280- Elementary Applied Statistics\*

Kine 301 Physiology\*

*Heal 380 Disparities in Health in America*

**Concentration and Breadth (36 credit hours) - 12 courses from 4 different breadth areas**

**Personal Health and Disease (Choose 3 courses)** – As an extension to core requirements in physiology and biology, courses from a variety of departments (kine, bioc, heal), will provide a pathophysiological view of disease. Pathophysiology is a discipline that seeks to describe the processes/mechanisms operating within an organism that allows disease to develop/progress.

Bioc 331 Biology of infectious diseases (Prerequisite(s): EBIO 213- Intro Experiential Ecology and Evolutionary Biology\*)

Bioc 341 Cell Biology\* (Prerequisite(s): Bioc 201: Introductory Biology)

Bioc 301 Biochemistry\* (Prerequisite(s): Chem 211- Organic Chemistry I)

Heal 350 Understanding Cancer\*

January 2016

Bioc 372 Immunology\* (Prerequisite(s): Bioc 201)

Bioc 310 Independent Research for Bioc Undergraduates\*

Psych 345- Health Psychology\* (Prerequisite(s): Psych 101\* and Psych 202\*)

**International Studies (Choose 3 courses)-** As an extension to core requirements *Medical Anthropology and Bioengineering and World Health*, these courses will provide this curriculum with a global context.

*Hist 204 The Invention of Africa*

Anth 446 Advanced Biomedical Anthropology (Prerequisite: Anth 381 Medical Anthropology or permission of instructor)

Heal 485 Seminar on International Health Problems\*

Hist 206 Intro to Asian civilizations\*

Hist 108 World History Since 1492

Hist 278 Modern Arab History\*

Poli 211 Intro international relations\*

Hist 342 Modern China\*

Poli 374 Strategic Interact International relations\*

Soci 342 Sociology of Globalization\*

Poli 373 International Conflict\*

Poli 355 Government and Politics of the Middle East\*

**Public Policy (Choose 3 Courses)-** These courses will provide a macroscopic view of disease and health in the context of policies used to address them.

Poli 332 Urban Politics\*

Phil 315 Ethics, Medicine, and Public Policy\*\*

Poli 362 Comparative Urban Politics and Policy\*

Poli 328 Latino Politics in the US\*

Poli 330 Minority Politics\*

January 2016

Poli 329 Health Policy\*\*

*Sosc 430 The Shaping of Health Policy*

Sosc 398 Pharmaceutical Politics and Policy\*

Sosc 330 Health Care Reform in the 50 States\*\*

Post 370 Public Diplomacy and Global Policymaking in the 21<sup>st</sup> Century\*\*

**Public Health, Disparity and Cultural Determinants of Health (Choose 3 Courses)-** These courses address health from a community health perspective, with a focus on understanding how increasing inequality (racial, gender, and socioeconomic) influences health on a population level.

Heal 407 Epidemiology\*

Heal 222 *Principles of Public and Community Health*

Heal 360 Violence in America: A Public Health Perspective\*

Soci 301 Social Inequality\*

Soci 309 Race and Ethnic Relations\*

Soci 340 Sociology of immigration\*

*Soci 343 Race society and population change*

Soci 345 Medical Sociology\*

# Similar Programs at Peer Universities Cornell University- Global and Public Health Sciences

## Global & Public Health Sciences 2014-2015

The requirements listed below pertain to all students matriculating in August 2014 and January 2015.

	Credits		Credits
<b>I. Distribution Requirements</b>	<b>37-39</b>	<b>D. Written Communications</b>	<b>6</b>
<b>A. Natural Sciences: Introductory Biology Lecture and Lab</b>	<b>8</b>	Must be First-Year Writing Seminars.	
BIOG 1500 Investigative Lab (F/S, 2 cr) AND		<b>FWS: MUST BE COMPLETED DURING FIRST 2 SEMESTERS</b>	
Choose two out of three from the following lecture options:		<b>E. Quantitative and Analytical</b>	<b>4</b>
(a) BIOMG 1350 Cell and Development (F/S, 3 cr)		Statistics (must be taken at Cornell, AP statistics is not accepted)	
(b) BIOG 1440 Comparative Physiology (F/S, 3 cr) OR*		STSCI 2150 Introductory Statistics for Biology	
BIOG 1445 Comparative Physiology (autotutorial) (F/S, 4 cr)			
(c) BIOEE 1610 Ecology and the Environment (F/S, 3 cr) OR*		<b>F. Additional credits</b>	<b>10-12</b>
BIOEE 1760 Evolution and Diversity (F/S, 3 cr)		Any additional natural science, social science, humanities, language, or mathematics course can be counted here.	
*Cannot take both to fulfill this requirement		Students interested in premed or graduate study in biological/medical/exercise sciences should take:	
<b>B. Social Sciences</b>	<b>6</b>	CHEM 2080: General Chemistry II	
An introductory course in two different social sciences. Choose one course in any two of the following four areas:		CHEM 3570 and 3580: Organic Chemistry (full year sequence)	
<b>Anthropology</b>		CHEM 2510: Organic Chemistry Lab	
ANTHR 1400 Introduction to Anthropology: The Comparison of Cultures		PHYS 1101 and 1102 General Physics (auto-tutorial) OR	
<b>Economics</b>		PHYS 2207 and 2208 Fundamentals of Physics	
ECON 1110 Introductory Microeconomics OR		<b>II. Requirements in the Major</b>	<b>40-43</b>
ECON 1120 Introductory Macroeconomics		<b>A. Introductory Chemistry:</b>	<b>4</b>
<b>Sociology</b>		CHEM 2070 General Chemistry I	
DSOC 1101 Introduction to Sociology OR		<b>B. Organic Chemistry Lecture:</b>	<b>3+</b>
SOC 1101 Introduction to Sociology		CHEM 1570 Introduction to Organic and Biological Chemistry OR	
<b>Psychology</b>		CHEM 3530 Principles of Organic Chemistry OR	
HD 1150 Human Development: Infancy and Childhood OR		CHEM 3570-3580 Organic Chemistry for the Life Sciences (must take both)	
HD 1170 Human Development: Adolescence and Emerging Adulthood OR		<b>C. Physiology: One of following</b>	<b>3-4</b>
PSYCH 1101 Introduction to Psychology		BIOG 1440 or 1445 Comparative Physiology (if not used for I. A)	
<b>C. Humanities</b>	<b>3</b>	NS 1150 Nutrition, Health, and Society	
Language credit may not be counted here.		NS 3410 Human Anatomy and Physiology	
Includes literature, history (including art and design history), philosophy, religion, and archaeology. Critical, historical, and theoretical studies of the arts and design are considered humanities. Languages and creative or performing arts such as the writing of fiction or poetry, painting, sculpting, designing, composing or performing music, acting, directing, and dance are not considered humanities.		BIOAP 3110 Principles of Animal Physiology	

<http://www.human.cornell.edu/dns/academic/gphsmajor.cfm>

	Credits	
<b>D. Biochemistry: One of following</b> Choose one of the following: NS 3200 Introduction to Human Biochemistry (F, 4 cr) BIOMG 3300 Principles of Biochemistry (auto-tutorial) (F/S, 4 cr) BIOMG 3310 (F, 3 cr) and BIOMG 3320 (S, 2 cr) Principles of Biochemistry BIOMG 3310 Principles of Biochemistry (F, 3 cr) and BIOMI 2900 General Microbiology (F/S, 3 cr) BIOMG 3330 Principles of Biochemistry (Su, 4 cr) BIOMG 3350 Principles of Biochemistry (S, 4 cr)	4-6	<b>II.G.3. Environmental Health</b> FDSC 3960 Food Safety Assurance DSOC 3400 Agriculture, Food Systems and Society ENTOM 2100 Plagues and People ENTOM 3070 /TOX 3070 Pesticides and the Environment CEE 5970 / TOX 5970 Risk Analysis and Management ILRIC 3342 Workplace Health and Safety as a Human Right COMM 2850 Communication, Environment, Science and Health BIOMI 2500 Public Health Microbiology BIOMI 4310 Medical Parasitology ENTOM 3520 Medical and Veterinary Entomology
<b>E. Global &amp; Public Health Core Courses</b> NS 1600 Fundamentals of Public Health NS 2600 Introduction to Global Health NS 3500 Epidemiology NS 4600 Explorations in Global and Public Health	12	<b>II.G.4. Health Policy &amp; Management</b> NS 4500 Public Health Nutrition NS 4570 / ECON 4740 Health, Poverty and Inequality PAM 2350 The US Health Care System PAM 3110 Pharmaceutical Management and Policy PAM 4050 Reproductive Health Policy PAM 4370 Economics of health policy PAM 4380 Economics of public health
<b>F. Supervised Experiential Learning in Public Health</b> Must be largely completed by the end of Fall semester of senior year Pre-approval required. This experience may be obtaining through one of several options including: <ul style="list-style-type: none"> <li>- Urban semester</li> <li>- International or domestic field experience</li> <li>- Cornell in Washington</li> <li>- Capital Semester</li> <li>- Research</li> </ul>	3+	
<b>G. Specialized Selectives:</b> Four courses, one from each of the following four categories	11+	
<b>II.G.1. Social &amp; Behavioral Health</b> NS 2450 Social Science Perspectives on Food and Nutrition HD 3570 /SOC3670 Social Inequalities in Physical and Mental Health PAM 3260 Fundamentals of Population Health PAM 4280 The Economics of Risky Health Behaviors ANTHR 2460 Medicine, Culture, and Society		
<b>II.G.2. Biological Aspects of Public Health</b> NS 3060 Nutrition and Global Health NS 3150 Obesity and the Regulation of Body Weight NS 4310 Mineral Nutrition and Disease NS 4315 Nutrient Requirements and Recommendations. Biological Aspects NS 4410 Nutrition and Disease BIOMG 4370 Human Genomics BIOMI 4270 Darwinian Medicine BIOMI 3210 Normal Microbes of the Human Body in Health and Disease		
		<b>III. Electives</b> Variable
		<b>IV. Physical Education</b> 2 Physical Education must be completed in order to graduate. However, physical education does not count toward college and university minimum credit requirements for full-time status, nor does it count towards the 120 credits required for graduation.
		<b>Total Credits (exclusive of PE)</b> 120



January 2016

## Johns Hopkins University- Undergraduate Program in Public Health Studies

<http://krieger.jhu.edu/publichealth/academics/>

Public Health Science majors take five public health core requirements in epidemiology, environmental health, health policy and management, social and behavioral aspects of public health, and biostatistics. These classes are taught at the Homewood campus by Johns Hopkins Bloomberg School of Public Health (JHSPH) faculty. PHS majors take them along with their other major requirements, including two introductory social science courses, two introductory courses and one lab in biology, and four upper-level courses in public health.

### PHS Core Requirements

#### Course No. and Title

AS 280.335 The Environment and Your Health  
AS 280.340 Fundamentals of Health Policy & Management  
AS 280.345 Biostatistics in Public Health (cannot use AP Statistics)  
AS 280.350 Fundamentals of Epidemiology  
AS 110.106 or AS 110.108 Calculus I (AP Calc satisfies this)

**Biology Requirement:** Two (2) semesters of Biology and one (1) lab.

Two (2) Introductory level Social Science courses are required from the following options (AP approved to fulfill this requirement):

#### Course No. and Title

070.132 Invitation to Anthropology  
140.105 History of Medicine  
140.106 History of Modern Medicine  
150.219 Introduction to Bioethics  
180.101 Elements of Macroeconomics  
180.102 Elements of Microeconomics  
270.107 Introduction to Sustainability

#### Course No. and Title

200.133 Introduction to Social Psychology  
200.132 Introduction to Developmental Psychology  
230.101 Introduction to Sociology  
230.150 Issues in International Development  
280.103 Public Health, Policy & Politics: A Primer  
280.\_\_\_\_ Freshman Seminar in Public Health  
\_\_\_\_ Other: \_\_\_\_\_

(with PHS Advisor permission only)

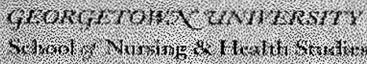
**A minimum of four (4) courses must be selected from the following list to show depth in the field of Public Health. One of these courses must be one of the starred (\*) courses to satisfy core competency in Social and Behavioral Aspects of Public Health.**

**Course No. and Title**

180.289	Economics of Health (Prereqs required)
280.225	Population Health and Development
* 230.341	* Sociology of Health & Illness
280.399	Practicum in Community Health Care
* 230.341	* Sociology of Health & Illness
271.360	Climate Change: Science and Policy
280.320	Seminar on Baltimore Health and Wellbeing
* 280.360	* Clinical and Public Health Behavior Change
* 280.375	* Cultural Factors in Public Health
280.380	Global Health Principles and Practices

## Georgetown University- Bachelor of Science in International Health

<https://nhs.georgetown.edu/internationalhealth/bachelors>

 <p><b>GEORGETOWN UNIVERSITY</b> School of Nursing &amp; Health Studies</p>	<p style="text-align: right;"><b>2014</b></p> <p style="text-align: center;"><b>BACHELOR OF SCIENCE IN INTERNATIONAL HEALTH</b> <b>Degree Progression Plan</b></p>
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*Total Program Credits: 120*

**Freshman Year****Fall I**

INTH-140 Intro to International Health	3
HSCI-100 Language of Health & Disease	3
HESI-001 First Year Colloquium	1
Core Requirement/Elective	3
Core Requirement/Elective	3
Core Requirement/Elective	3
<b>Total</b>	<b>16</b>

**Spring I**

HSCI-111 Biochemistry & Human Functioning	3
MATH-040 Probability & Statistics	4
INTH-202 Maternal/Child Health Devel Countries	3
Core Requirement/Elective	3
Core Requirement/Elective	3
<b>Total</b>	<b>16</b>

**Sophomore Year****Fall II**

INTH-177 Epi App to Population Health	3
Core Requirement/Elective	3
Core Requirement/Elective	3
Core Requirement/Elective	3
Core Requirement/Elective	3
<b>Total</b>	<b>15</b>

**Spring II**

INTH-260 Political Economics of Health & Devel	3
HESI-112 Nutrition & Disease Prevention	3
Core Requirement/Elective	3
Core Requirement/Elective	3
Core Requirement/Elective	3
<b>Total</b>	<b>15</b>

**Junior Year****Fall III**

INTH-250 Comparative Health Systems	3
INTH-142 International Health Promotion	3
HSCI-201 Microbiology	4
Core Requirement/Elective	3
Core Requirement/Elective	3
<b>Total</b>	<b>16</b>

**Spring III**

INTH-182 Research Methods International Health	3
INTH-292 Internship I: Community Organization	3
Core Requirement/Elective	3
Core Requirement/Elective	3
Core Requirement/Elective	3
<b>Total</b>	<b>15</b>

**Senior Year****Fall IV**

INTH-392 International Health Practicum Abroad	12
<b>Total</b>	<b>12</b>

**Spring IV**

INTH-393 Internship II: International Organization	3
INTH 356 Globalization and Health Care	3
Core Requirement/Elective	3
Core Requirement/Elective	3
Core Requirement/Elective	3
<b>Total</b>	<b>15</b>

**Core Requirements****Freshman Year**

WRIT 015

**Before Junior Year**

HALC Course

(see Schedule of Classes)

1 General Philosophy

1 Ethics

**Throughout Progression**

1 Intro Theology

1 Theology at any level

Language proficiency in one modern language through the intermediate level

3 International Health core electives from levels 100-500 equaling 6 total credits

11 free electives of varying credits equaling 33 total credits in any discipline

## Exploration of Existing Programs

### Why Not Bioscience or *Biochemistry/Cell Biology*?

- Biochemistry/Cell Biology is an extremely vast field. While a few courses in the Bioc department are included in this area major proposal, the BCB major as a whole extends beyond my interests in personal health and disease. For example, while immunology and biology of infectious diseases are courses relevant to my interests in personal health offered through the BCB major, courses like Differential Equations and Physical chemistry are core requirements that would prove irrelevant to the field of personal health and disease.

### Why not Policy Studies (Health Care Management)?

- Healthcare management through the Policy Studies program was extremely appealing to me. While the area curriculum in healthcare management offers a lot of courses included in the public policy portion of my *International Health and Policy*, it only addresses a third of my proposed curriculum. Additionally, basic requirement courses like *American Constitutional Law*, *Public Policy & Bureaucracy*, and *Micro/Macroeconomics* stray away from the health policy focus of this major.

### Why not Kinesiology (Health Sciences)?

- One of the main cornerstones of the health sciences major is to call on students to consider the role that health promotion plays in society and the mechanisms that affect community health. While this major offers many interdisciplinary electives that are included in this proposal the learning objectives reflected in the core requirements deviate from my interests and goals outlined in my proposal.

### Lack of international focus in any existing programs

- There exists a plethora of majors that have international focus. (African Studies, Asian studies, European Studies, etc) however, outside of anthropology, there are few interdisciplinary programs offered that would allow a student to gain a global perspective from a multitude of continents/cultures. Through a multitude of departments including: anthropology, history, and the political science department I have identified courses that would give me this perspective.

### Future Programs in International Health

- Dr. Vivian Ho (Baker Institute Chair in Health Economics) and Dr. Richards-Kortum (Director of the 360: Institute for Global Health) are currently developing a secondary major addressing global health and health equity. Although this major will not be available for current students (considering it's in the early development stages) the development of this program reveals that there is a stark need for such a program at Rice. Thus, for me without formal programs in place, creating an area major through the CUC has become a necessity for reaching my goals academically here at Rice.

## **Due diligence and Faculty Buy-in Timeline**

### **Spring 2015**

- Preliminary research
  - Proposal development began spring 2015. This involved researching existing programs (through the general announcements and the Office of Academic Advising), identifying Rice's lack of academic program fitting my interests by researching existing programs at peer institutions and identifying the feasibility/ availability of courses in my field of interests by pouring through a plethora of course descriptions in course catalogues.
- At this stage faculty input, support and critique/direction came from Dr. Michael Gustin (biosciences department), Dr. Rachel Kimbro (Sociology Department) and Aliya Bhimani (director of academic advising)

### **Fall 2015 (prior to CUC proposal submission)**

- Starting fall 2015, prior to my CUC proposal I further revised proposal through gathering additional input from faculty members in the kinesiology department (Dr. Augusto Rodriguez) and the Global Health Technology Program (Dr. Rebecca Leautaud)

### **Fall 2015 (After November 13 CUC meeting)**

- I have received feedback and direction from additional faculty members including: Dr. Richards-Kortum (Director of the 360: Institute for Global Health), Kristen Osther (Co-director of the Rice-UT Public Health Scholars Program), Dr. Vivian Ho (Baker institute Chair in Health Economics) and Provost Miranda to offer more direct perspective in the public health field.
- I narrowed and focused the scope of my program curriculum in two main ways: narrowing the "breadth" portion of the major by removing less relevant categories and reviewing dozens of course syllabi and removing courses that did not directly relate to the field of international health and policy.



Vivian Ho, Ph.D.  
James A. Baker III Institute Chair in Health Economics  
Professor of Economics

January 12, 2016

Dear Rice University Committee for Undergraduate Curriculum,

I am writing to express my full support for XXXXXX proposed "International Health and Policy" area major proposal. After reviewing the proposal and meeting with XXXXX, I am confident that his proposal is strong in curriculum, rigor and organization to receive CUC approval. The objectives he aims to meet through "International Health and Policy" are unachievable through other current academic avenues.

While many research opportunities exist in the field of global health, there exist few academic tracks for a student interested in the field. Justin is one example of a demonstrated need for increased academic options in this field, and I commend him for the thoroughness displayed in working to get this proposal approved.

Along with Dr. Rebecca Richards-Kortum, Director of Rice360 Institute for Global Health, I am currently developing a major titled "Global Health and Health Equity", a major with many similar topics and aims as Justin's proposed major. In its early development stages, I am doubtful that "Global Health and Health Equity" will be a viable option for XXXXX to pursue. Additionally, traditional majors/minors do not address many facets of the field of international health. Thus, I believe XXXXX "International Health and Policy" area major is essential to achieving his interests academically and offer my full support.

Sincerely,

Vivian Ho, PhD

Student Name:

Student ID Number:

Major(s): International Health and Policy (Bachelor of Arts)

Major Advisor(s): Dr. Michael Gustin, Dr. Rachel Kimbro, Dr. Vivian Ho

Minor(s):

Minor Advisor(s):

Has Your major(s) advisor(s) reviewed this academic plan? ☒ Yes ☐ No

Date of Major Advisor Approval:

In the following plan, I have 63 hours of upper-level credit and 126 TOTAL hours.**YEAR 1****Fall 2014**

Course	D1/D2/D3	Major	Minor	Hours
SOCI 101	D2	core		3
CHEM 121	D3			3
CHEM 123	D3			1
HIST 204	D1	Area 2		3
BIOC 201	D3	core		3
Total Semester Hours				13

**Spring 2015**

Course	D1/D2/D3	Major	Minor	Hours
MATH 101	D3			3
SOCI 343				3
PSYC 101	D2	core		3
CHEM 124	D3			1
CHEM 122	D3			3
FWIS 183	D1			3
Total Semester Hours				16

**Summer 2015**

Course	D1/D2/D3	Major	Minor	Hours
Total Semester Hours				

**YEAR 2****Fall 2015**

Course	D1/D2/D3	Major	Minor	Hours
GLHT 201	D3	core		3
PHYS 101	D3			3
HEAL 222		Area 2		3
SOSC 430		Area 3		3
Heal 380		Core		3
PHYS 103				0
Total Semester Hours				15

**Spring 2016**

Course	D1/D2/D3	Major	Minor	Hours
POLI 362		Area 3		3
PHYS 102	D3			3
Phys 104				0
Soci 309	D2	Area 4		3
Chem 211	D3			3
Chem 213				0
Kine 300	D3	Area 1		3
Hurc 213	D1	Area 4		3
Total Semester Hours				18

**Summer 2016**

Course	D1/D2/D3	Major	Minor	Hours
Total Semester Hours				

YEAR 3														
Fall 2016					Spring 2017					Summer 2017				
Course	D1/D2/D3	Major	Minor	Hours	Course	D1/D2/D3	Major	Minor	Hours	Course	D1/D2/D3	Major	Minor	Hours
BIOC 372		Area 1		3	HEAL 313				3					
PSYC 345		Area 1		3	Anth 381		Core		3					
HIST 206		Area 2		3	SOCI 340		Area 4		3					
HIST 278		Area 2		3	KINE 301		Core		3					
KINE 319		Core		3	Engl 272	D1			3					
Chem 212				3										
Total Semester Hours				18	Total Semester Hours				15	Total Semester Hours				

YEAR 4														
Fall 2017					Spring 2018					Summer 2018				
Course	D1/D2/D3	Major	Minor	Hours	Course	D1/D2/D3	Major	Minor	Hours	Course	D1/D2/D3	Major	Minor	Hours
LEAD 399				3	BIOC 301				3					
BIOC 331		Area 1		3	LPAP				1					
Reli 100	D1			3	PHIL 306	D1			3					
HEAL 132				3	SOCI 306	D2			3					
PHIL 327	D1			3	BIOC 460				3					
					PHIL 315	D1	Area 3		3					
Total Semester Hours				15	Total Semester Hours				16	Total Semester Hours				