



COLUMBIA

MAILMAN SCHOOL
OF PUBLIC HEALTH

GLOBAL HEALTH CERTIFICATE Certificate Info Session!

Agenda for Today:

1. Ice-Breaker

- What has been your most exciting discovery since you first arrived at Mailman? - Write it in the chat!

2. Overview of Certificate

3. GHC Second Year Student Perspective

4. Q&A

5. Small Group Breakout (time permitting)



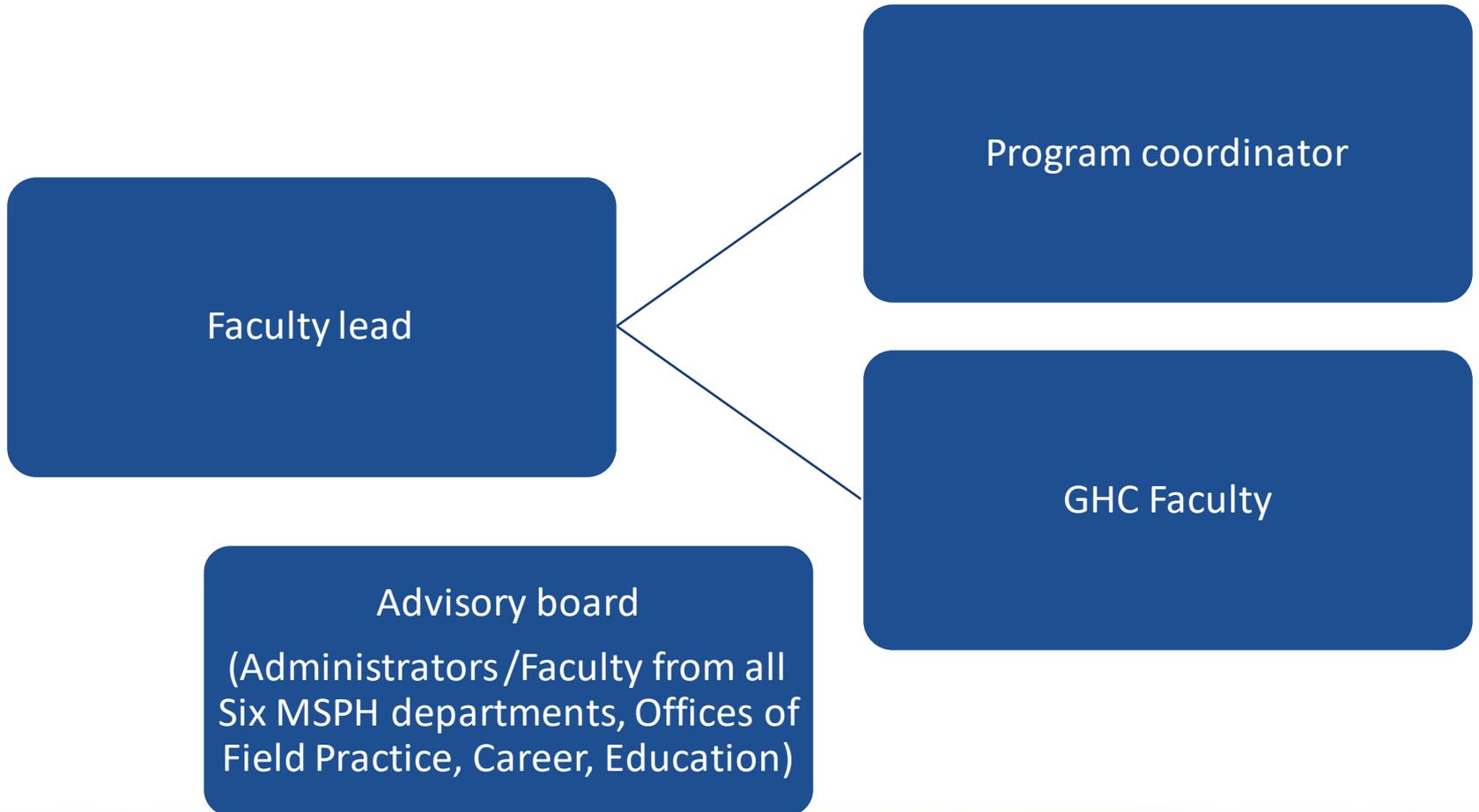
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GLOBAL HEALTH CERTIFICATE

Manuela Orjuela-Grimm, MD, ScM, Director

Sarah Dugan Francis, MPH, Program Coordinator

Global Health Certificate Organizational Structure



Manuela Orjuela-Grimm faculty lead

- environmental epidemiologist (and pediatric oncologist)
- Associate professor in Epidemiology and Pediatrics.
 - **Teaching:** Public Health Leadership,
- **Research:** multiple NIH funded research projects examining environmental exposures, focus on diet/ nutrient intake, food /water security including during overland migration in Mexico/ NYC.

Other: collaborated or trained in South America (Chile, Argentina, Colombia), Italy, Germany, and in working groups involving UNICEF, UN IOM, Fogarty.

Columbia (University wide): Institute of Latin American Studies (ILAS), Center for Mexico and Central American Studies (CEMECA), Committee on Forced Migration, Food Systems (Climate School)

Advantages of the GHC

- Access to special seminars in global health
- Opportunities for dialogue with public health students from schools in other countries
- Access to GHC courses not available to other students
- GHC courses are taught by faculty who *currently work in different areas of global health*
- close-knit community within GHC cohort
- 1st year GHC students pair with 2nd-year GHC student “buddy” who helps guide in practicum/ APEX search and selection



Program Principles

Students receive theory and skills training in their departmental discipline

The curriculum of the Global Health Certificate prepares students to apply their disciplinary skills to global public health opportunities and challenges

The overseas practicum permits translation of theory into practice in **a low- or middle-income** population setting

Curriculum

Core interdisciplinary public health course (fall 1)

Departmental courses (spring 1 and 2)

Global health courses

- Globalization and Global Health (part of core)
- Priorities in Global Health (spring 1)
- Advanced Topics in Global Health (online) (fall 2)
- 2 - 3 electives from among 50+ offerings
 - Several distance-learning courses are offered in fall

Three Global Health Seminars

- Professional Development Seminar
- Pre-Practicum Seminar
- Post-Practicum Seminar

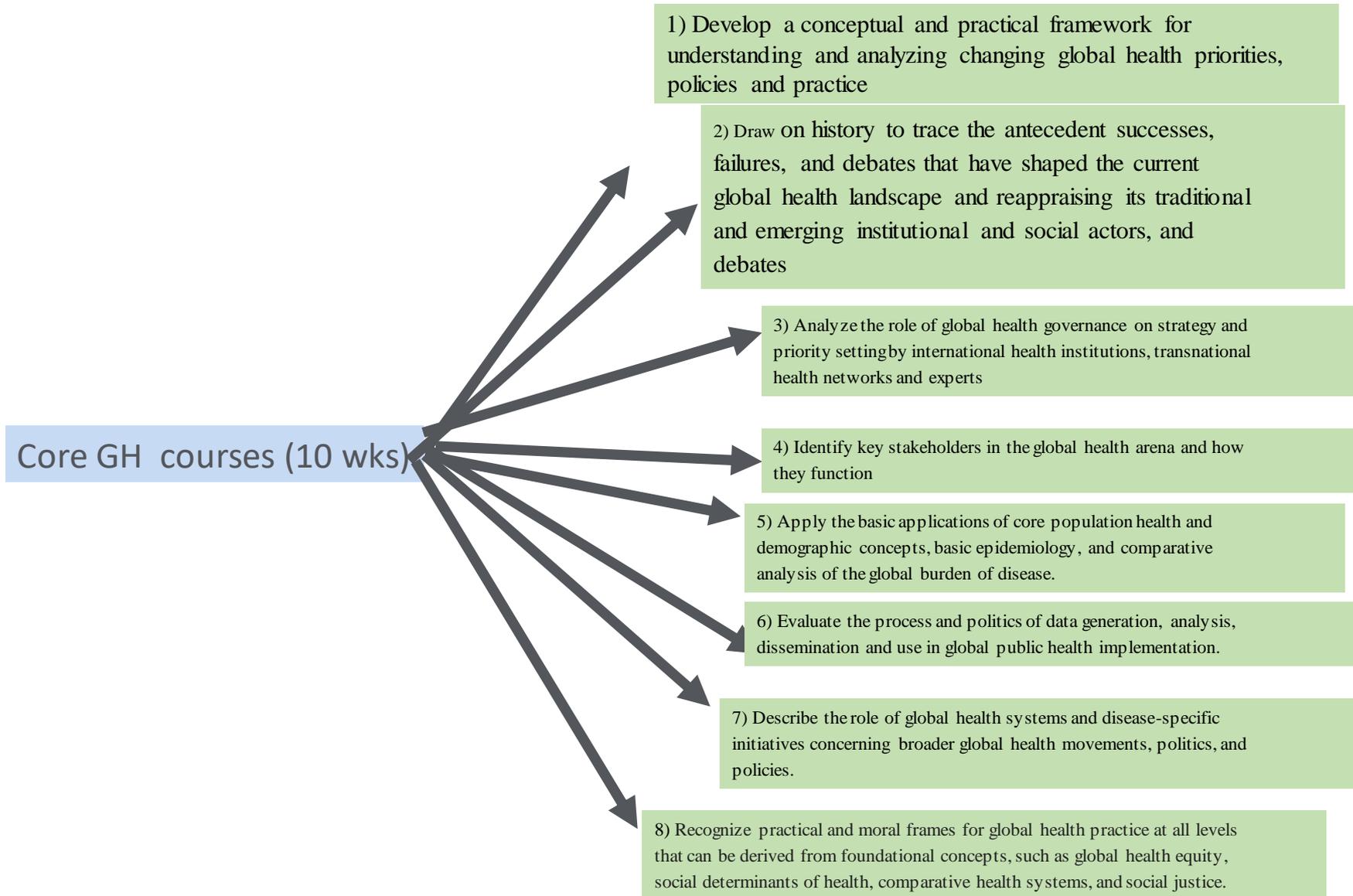


Global Health Certificate Competencies

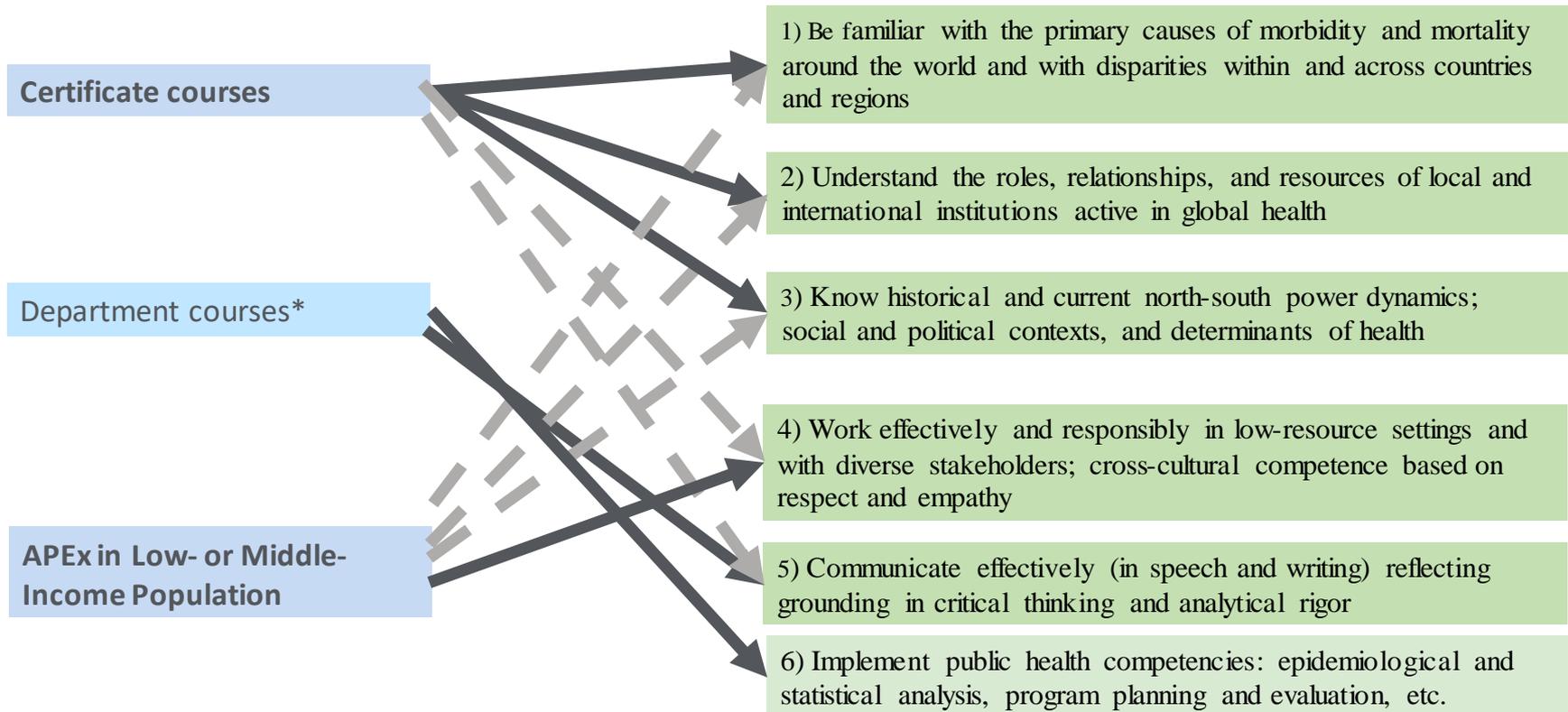
- 1) Describe the major contributors to morbidity and mortality around the world, and how the risk for disease varies with regions
- 2) Analyze the roles, relationships, and resources of global and local institutions active in global health
- 3) Demonstrate knowledge of historical and present north-south power dynamics; social and political contexts, and determinants of health
- 4) Display ongoing self-reflection and learning in global health
- 5) Work **effectively** and **responsibly** in low-resource settings to promote **sustainable** interventions for global health.



Global Health in the Core: Learning Objectives (backbone)



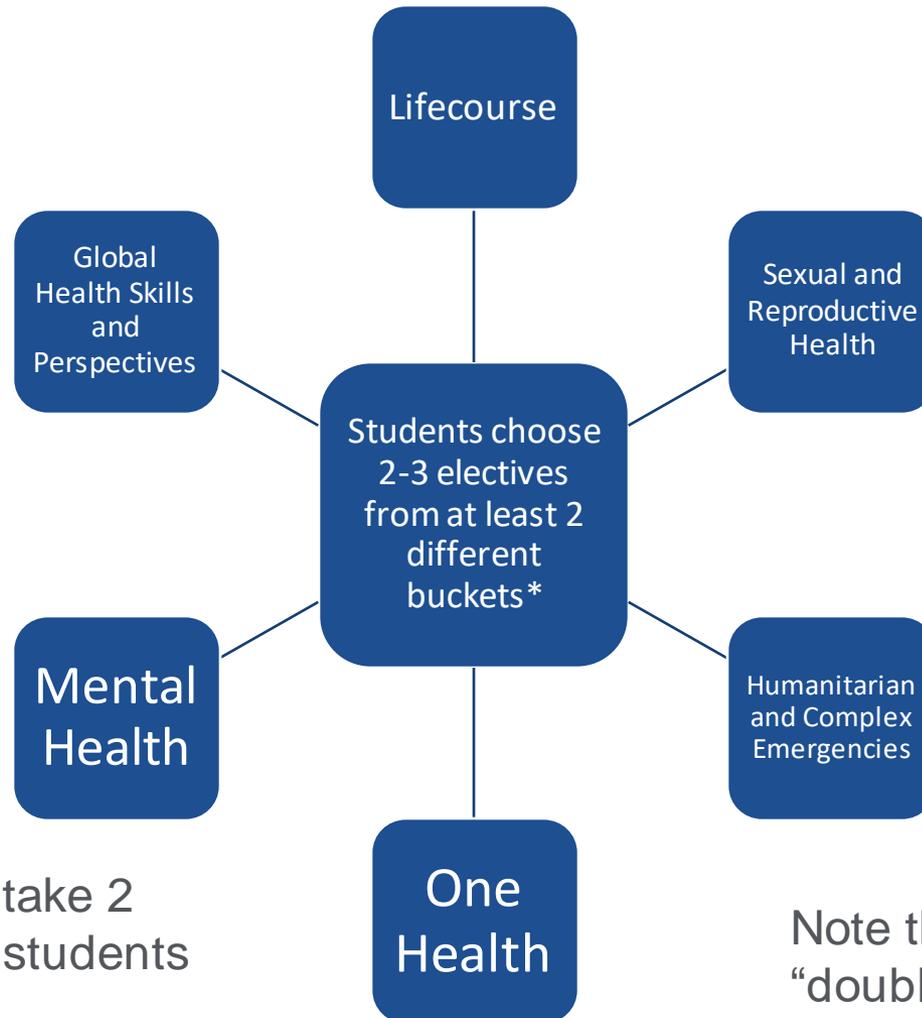
Competencies in the Global Health Certificate



*Departmental specific competencies can be found on departmental websites.

Competencies can be used in a GH context

GHC Electives



*6-month students take 2 electives; 3-month students take 3 electives

Note that students cannot “double count” electives for department and certificate

Example Courses for Each "Bucket" of Electives

Lifecourse: Global Chronic Disease: The Roles of Public Health

Sexual and Reproductive Health: Global Sexual and Reproductive Health and Right

Humanitarian and Complex Emergencies: Protecting Children in Humanitarian Settings

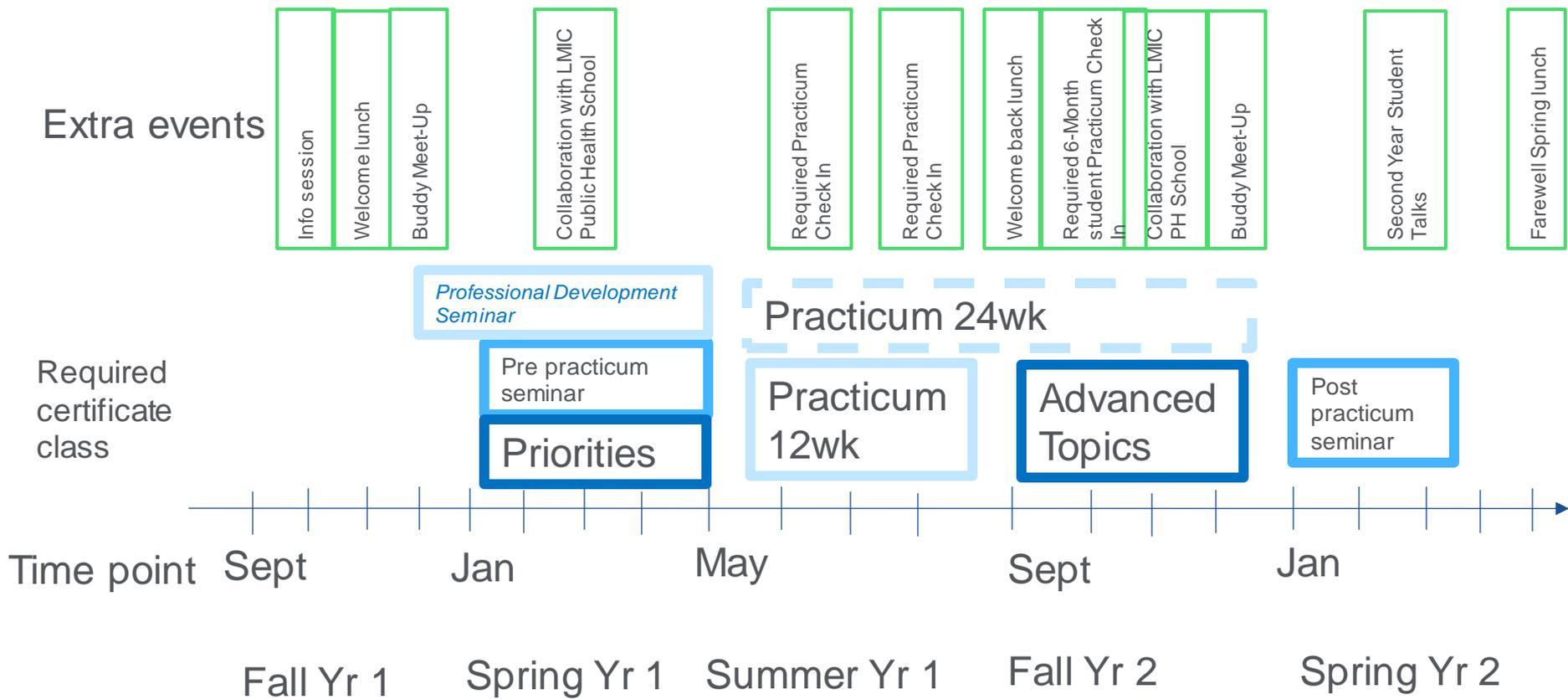
One Health: Emerging Infectious Diseases

Mental Health: Epidemiologic Methods in Global Mental Health Research

Global Health Skills and Perspectives: Global Health Governance

* Exceptionally, other CU courses (SIPA, Climate School, Undergraduate) may be approved as electives





*In addition, students will take 2-3 Certificate Electives

Practicum/APEX

Planned, supervised, and evaluated overseas practice experience as part of the public health professional degree program

Allows students to integrate and apply practical skills and training in global health learned through coursework and prior experiences in a professional public health work environment



Benefits of Global Health Certificate practicum/APEX

- Acclimatize, absorb, (then) contribute professionally
- Opportunity to implement PH skills contextualized within resource-limited global setting
- Expand and solidify professional skills
- Improve effective communication abilities (including linguistic flexibility and cultural sensitivity) in PH resource-limited global setting
- Option of 3-month or 6-month practicum
(*express preference February*)



PRACTICUM

3-month practicum

3-month (12 weeks minimum) practicum

Completed with a low- or middle-income population

No splitting between two sites

Stipend is \$1,000



6-month practicum

6-month practicum

Completed with a low- or middle-income population

Can be split between two sites

Stipend is \$2,000



GHC Support for Practicum/APEX

- Hosts regular meetings with GHC students before/during/after travel abroad
- Post-APEX: Facilitate continued (remote) participation with APEX sponsors (as needed/desired)
- Canvas page to help with communication while in the field
- Additional opportunities for communication with APEX sites

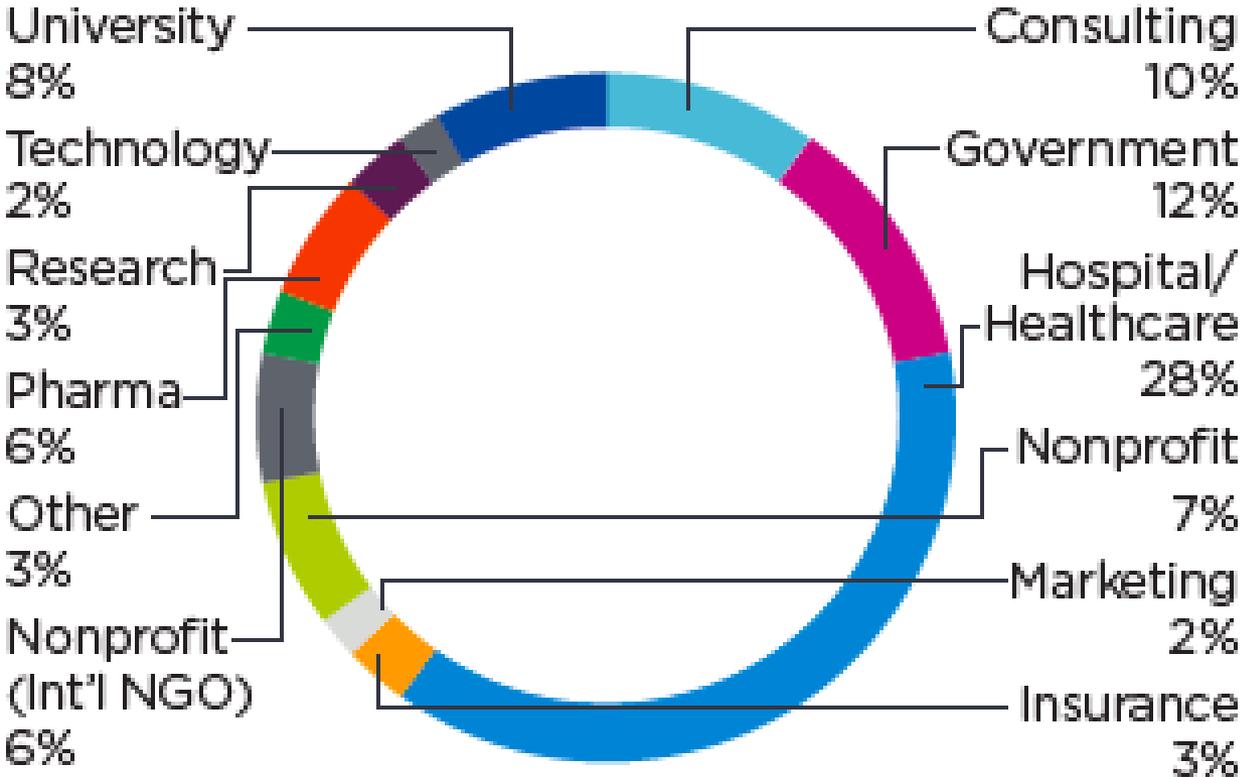


Practicum Sites (LMIC population)

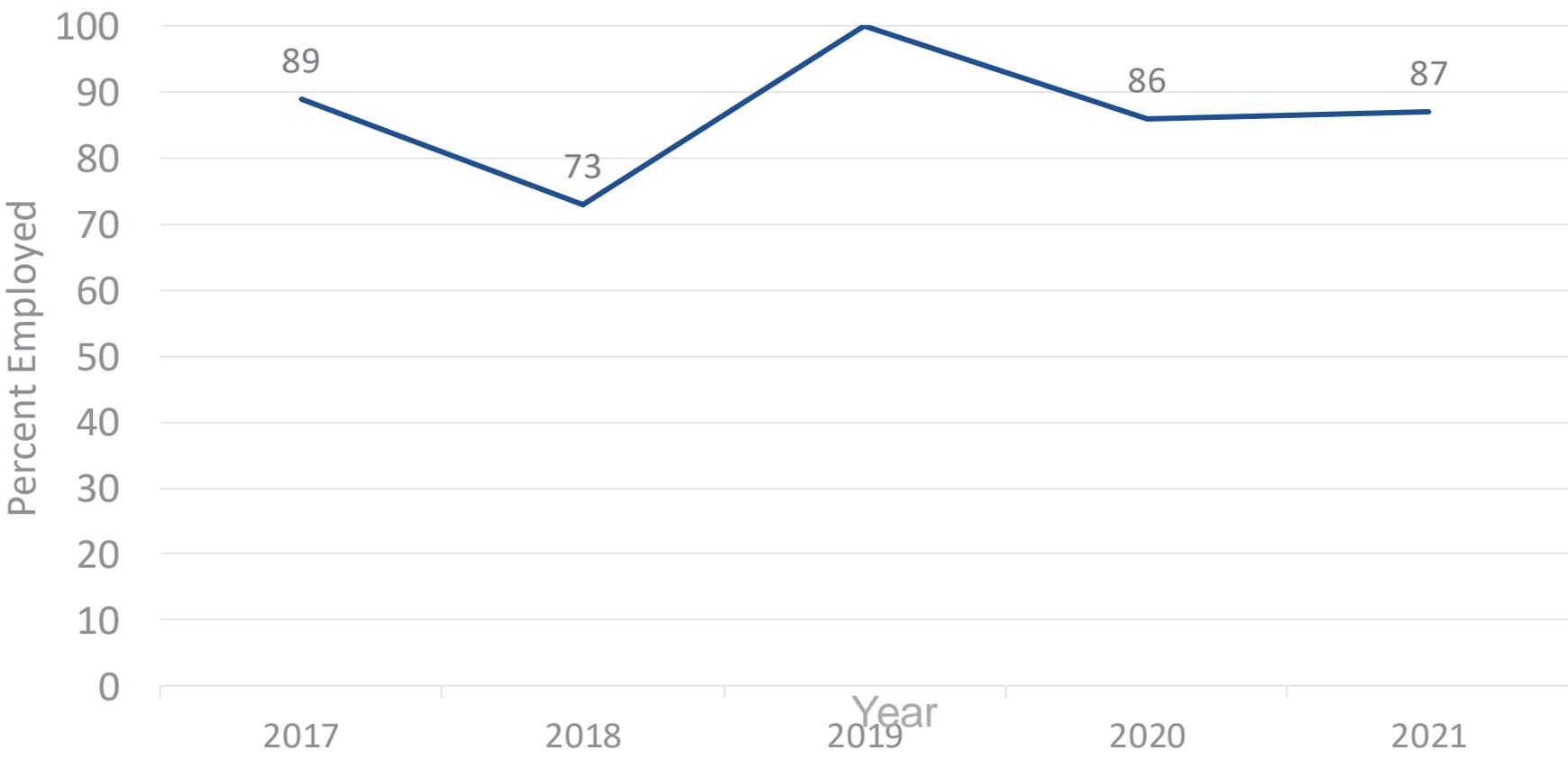
- Sites may be academic institutions, nongovernmental organizations, government agencies, or multilateral organizations
- Many sites are Columbia-affiliated
- Students receive supervision on-site and perform professional tasks of value to the institution
- Students complete a six-month practicum (June/July – December) or
- a three-month practicum (late May to late August, 12 weeks minimum)



SECTORS OF POST-GRAD EMPLOYMENT (CLASS OF 2018)



Percentage of Global Health Certificate Graduates Employed Full Time



Sarah Dugan Francis, MPH Global Health Certificate Program Coordinator

- Works half time with the Global Health Certificate and half time with the Office of Educational Initiatives
- DrPH student in EPI (research focuses on participatory surveillance of COVID-19 in Lesotho)
- Graduated from Mailman with her MPH in EPI (Cert. In Global Health) in 2017
- Practicum/APEX with Foundation for Professional Development in Pretoria, South Africa
 - Focus on mental health screening tools: looked for a uniform tool and found that there were many being used
 - Field work: traveled to 10 sites across South Africa, interviewing medical staff about mental health screening tools used in TB and ANC clinics

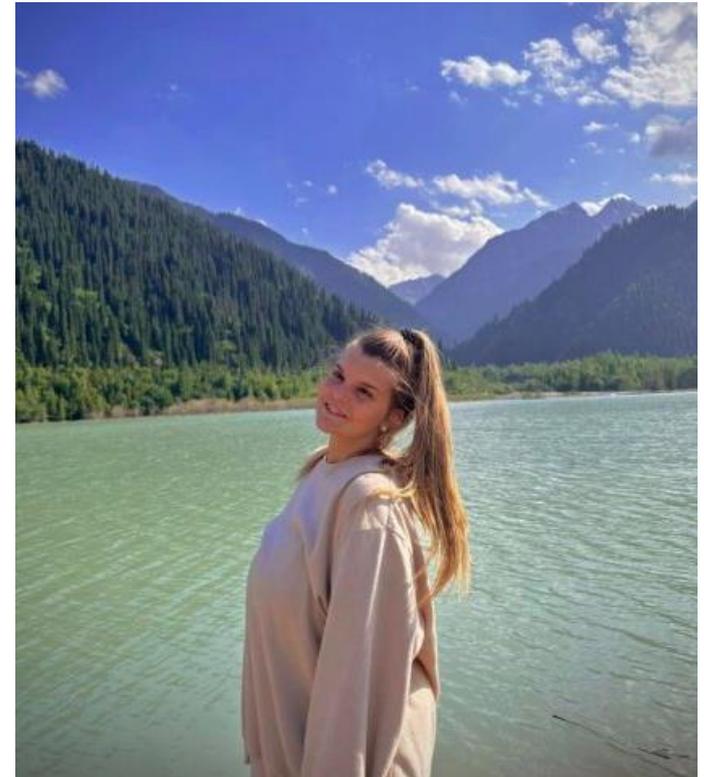
Second Year Global Health Certificate Student Perspective:

Summer Lykins

- second-year MPH student in the Sociomedical Sciences department
- BA in Anthropology/Sociology and Environmental Studies in 2022.
- Areas of interest include reducing the burden of infectious diseases (especially HIV), health education, and program planning and management.

Practicum:

- Almaty Model for HIV Epidemic Control (AMEC) project with ICAP, in Almaty, Kazakhstan; 3 months.
- methods to increase HIV status awareness and treatment uptake
- preventative methods to curb HIV transmission.
- Conducted semi-structured interviews with project partners
- produced success stories highlighting AMEC's best practices for sharing with other regions seeking to end their own HIV epidemics.
- assisted with logistical and organizational work, provided English translations, attended conferences and project-related meetings.



Are language skills required for the GHC?

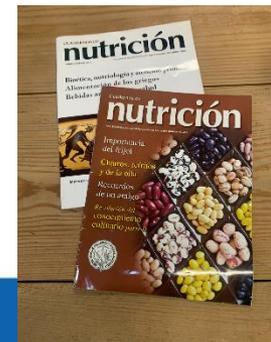
Strongly encourage GHC students demonstrate proficiency in one of the following UN languages: Arabic, Chinese, French, Russian Spanish, (and Portuguese) by the time they graduate (A1 or equivalent).

Acquiring these skills by the end of their first year may enhance their practicum experience.

Students can acquire proficiency through taking Columbia language courses

- Covered by students' [Flat rate tuition](#)

Proficiency is defined as the ability to speak, read, write the language.





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Countries where GHC students have fulfilled their APEx/Practicum





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