

DEPARTMENT OF PUBLIC HEALTH SCIENCES  
PARKINSON SCHOOL OF HEALTH SCIENCES & PUBLIC HEALTH

**BAPH/BSPH AMP (4+1)**

**Master of Public Health**

*Program Overview*



**LOYOLA**  
UNIVERSITY CHICAGO



## **For information on MPH programs, contact:**

Ruth Kafensztok, Program Director

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# Master of Public Health

Epidemiology

Global  
Health Equity

Policy &  
Management

Biostatistics



New  
Fall'26

**OUR GOAL:** to prepares public health professional to promote and protect the health and well-being of people and their communities.



# Why an MPH At Loyola?

**Emphasis on social justice & health equity**

**Accredited program**

**Community-engagement focus**

**Online and on-campus courses**

**Competencies-based curriculum**

**Evening classes**

**Interprofessional opportunities**

**Small class sizes**

# MPH Tracks

Epidemiology

Global Health  
Equity

Biostatistics

Public Health Policy &  
Management

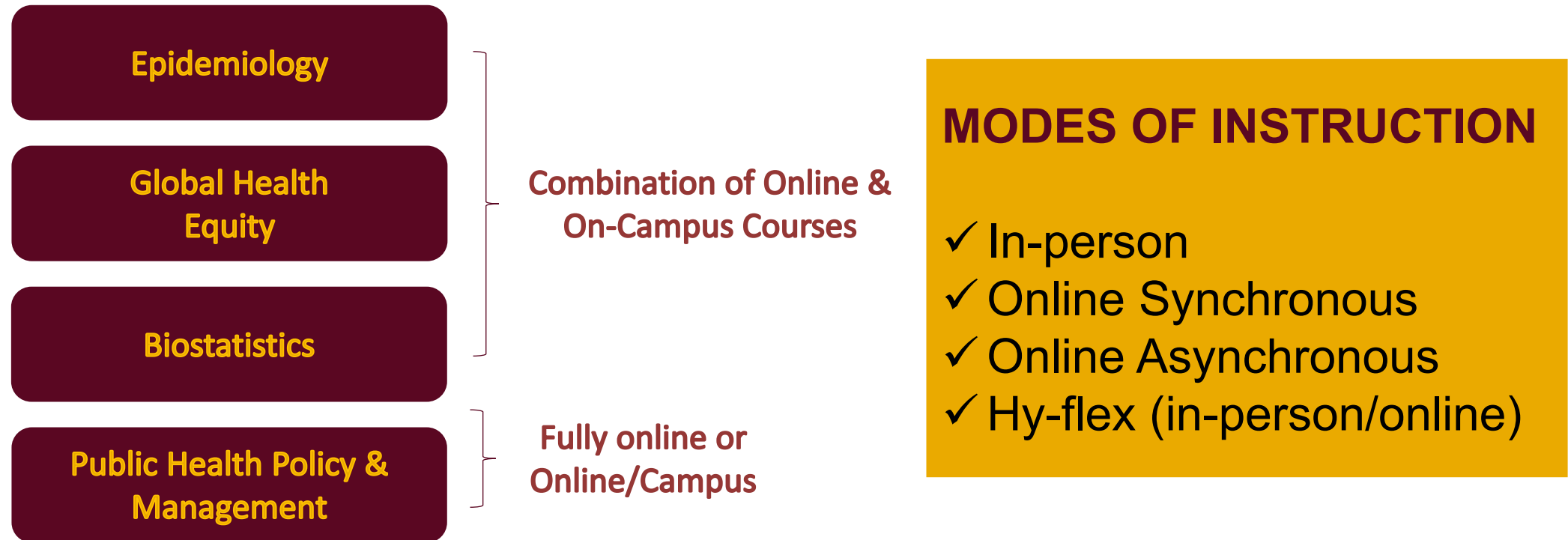
Combination of  
Online & On-Campus Courses

Fully online or  
Online/Campus

## Degree Requirements (42 credit hours)

- ◆ 18 credits of core courses
- ◆ 15-18 credits of track courses
- ◆ 3-6 credits of course electives
- ◆ 1 credit Practicum (210 hours)
- ◆ 2 credits of Capstone

# MPH Tracks - Modes of Instruction



# MPH Curriculum Overview

Core courses (18 credits)			
<ul style="list-style-type: none"><li>• <b>MPBH 400:</b> Determinants of Population Health (3 credits)</li><li>• <b>MPBH 402:</b> Public Health Practice and Management (3 credits)</li><li>• <b>MPBH 403:</b> Introduction to Epidemiology (3 credits)</li><li>• <b>MPBH 409:</b> Biostatistics I (3 credits)</li><li>• <b>MPBH 407:</b> Public Health Policy: Concepts and Practice (3 credits)</li><li>• <b>MPBH 499:</b> Public Health in Action (3 credits)</li></ul>			
Track-Specific Courses (15-18 credits): <i>Five 3 credit hour courses</i>			
Epidemiology	Global Health Equity	Public Health Policy and Management	Biostatistics
Other Graduation Requirements			
• 6 elective credits (3 credits for Biostatistics*)	• MPBH 410: Practicum (1 credit)	• MPBH 411 Capstone (2 credits)	

# MPH Curriculum Overview

Core courses (18 credits)			
<ul style="list-style-type: none"> <li>• <b>MPBH 400:</b> Determinants of Population Health (3 credits)</li> <li>• <b>MPBH 402:</b> Public Health Practice and Management (3 credits)</li> <li>• <b>MPBH 403:</b> Introduction to Epidemiology (3 credits)</li> <li>• <b>MPBH 409:</b> Biostatistics I (3 credits)</li> <li>• <b>MPBH 407:</b> Public Health Policy: Concepts and Practice (3 credits)</li> <li>• <b>MPBH 499:</b> Public Health in Action (3 credits)</li> </ul>			
Track-Specific Courses (15-18 credits): <i>Five 3 credit hour courses</i>			
Epidemiology	Global Health Equity	Public Health Policy and Management	Biostatistics
<ul style="list-style-type: none"> <li>• <b>MPBH 412:</b> Introduction to Statistical Computing for Public Health (2 credits)</li> <li>• <b>MPBH 421:</b> Biostatistics II (3 credits)</li> <li>• <b>MPBH 423:</b> Intermediate Epidemiology (3 credits)</li> <li>• <b>MPBH 431:</b> Grant writing (3 credits)</li> <li>• <b>MPBH 427:</b> Intro to Correlated Data Analysis (1 credit) or alternative 1 credit hour MPBH course</li> <li>• At least one of the following Research Methods track specific courses: <ul style="list-style-type: none"> <li>• <b>MPBH 413:</b> Epidemiology of Obesity (3 credits)</li> <li>• <b>MPBH 414:</b> Introduction to Global Health (3 credits)</li> <li>• <b>MPBH 433:</b> Clinical Trials (3 credits)</li> <li>• <b>MPBH 434:</b> Meta-Analysis (3 credits)</li> <li>• <b>MPBH 426:</b> Infectious Diseases Epidemiology (3 credits)</li> <li>• <b>MPBH 495:</b> Applied Survival Analysis (3 credits)</li> <li>• <b>ENVS 480:</b> Geographic Information Systems (3 credits)</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• <b>MPBH 414:</b> Introduction to Global Health (3 credits)</li> <li>• <b>MPBH 417:</b> Global Maternal and Child Health (3 credits)</li> <li>• <b>MPBH 431:</b> Grant writing (3 credits)</li> <li>• <b>MPBH 422:</b> Population Health Planning and Management or <b>CMAN 448:</b> Program Planning and Marketing in Health Care (3 credits)</li> <li>• <u>One of the following selective courses (3 credits):</u> <b>MPBH 495:</b> Essential Topics in Global Health <u>or</u> <b>BEHL 407:</b> Social Determinants of Health &amp; Bioethics <u>or</u> <b>BEHL 491:</b> Global Bioethics (offered during the Summer in even-numbered years, eg, 2022) <u>or</u> <b>SOWK 602:</b> Health Policy and Health Systems</li> </ul>	<ul style="list-style-type: none"> <li>• <b>MPBH 425:</b> Policy Analysis (3 credits)</li> <li>• <b>MPBH 416:</b> Health Services Research Methods (3 credits)</li> <li>• <u>One of the following selective courses (3 credits):</u> <b>BEHL 402:</b> Justice and Healthcare <u>or</u> <b>BEHL 404:</b> Biomedical Ethics &amp; the Law <u>or</u> <b>BEHL 407:</b> Social Determinants of Health &amp; Bioethics <u>or</u> <b>BEHL 411:</b> Public health Ethics <u>or</u> <b>BEHL 412:</b> Organizational Ethics <u>or</u> <b>BEHL 418:</b> Advancing Health Equity Practice <u>or</u> <b>BEHL 491:</b> Global Bioethics</li> <li>• <b>Track Selectives</b> <ul style="list-style-type: none"> <li>• <b>Policy Focus:</b> <ul style="list-style-type: none"> <li>• <b>MPBH 420:</b> Public Health Law: Theories and Cases (3 credits)</li> <li>• <b>MPBH 424:</b> Health Economics and Healthcare Financing (3 credits)</li> </ul> </li> <li>• <b>Management Focus:</b> <ul style="list-style-type: none"> <li>• <b>MPBH 422:</b> Population Health Planning and Management (3 credits) <u>or</u> <b>CMAN 448:</b> Program Planning and Marketing in Health Care (3 credits)</li> <li>• <b>CMAN 533:</b> Fiscal Management in Health Care Organizations (3 credits)</li> </ul> </li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• <b>MPBH 412:</b> Data Management &amp; Statistical Computing for Public Health (3 credits )</li> <li>• <b>MPBH 421:</b> Biostatistics II (3 credits)</li> <li>• <b>MPBH 427:</b> Advanced Statistical Methods (3 credits)</li> <li>• <b>MPBH 449:</b> Biostatistics for Public Health Interventions (3 credits)</li> <li>• <b>MPBH 450:</b> Biostatistics for Electronic Health Record (EHR) Data (3 credits)</li> <li>• <b>MPBH 460:</b> Public Health Data Visualization and Reporting (3 credits)</li> <li>• Students must complete at least <b>3 elective credits (1 course)*</b> to be selected from: <ul style="list-style-type: none"> <li>• <b>MPBH 431:</b> Grant writing (3 credits)</li> <li>• <b>MPBH 433:</b> Clinical Trials (3 credits)</li> <li>• <b>MPBH 434:</b> Meta-Analysis (3 credits)</li> <li>• <b>HIDS 411:</b> Clinical Data Science (3 credits)</li> <li>• <b>ENVS 480:</b> Geographic Information Systems (3 credits)</li> </ul> </li> </ul>
Other Graduation Requirements			
<ul style="list-style-type: none"> <li>• 6 elective credits (3 credits for Biostatistics*)</li> </ul>	<ul style="list-style-type: none"> <li>• <b>MPBH 410:</b> Practicum (1 credit)</li> </ul>	<ul style="list-style-type: none"> <li>• <b>MPBH 411</b> Capstone (2 credits)</li> </ul>	

# MPH CORE CURRICULUM OVERVIEW

MPBH 400

MPBH 499

## Core courses (18 credits)

- **MPBH 400:** Determinants of Population Health (3 credits)
- **MPBH 402:** Public Health Practice and Management (3 credits)
- **MPBH 403:** Introduction to Epidemiology (3 credits)
- **MPBH 409:** Biostatistics I (3 credits)
- **MPBH 407:** Public Health Policy: Concepts and Practice (3 credits)
- **MPBH 499:** Public Health in Action (3 credits)

# Epidemiology Track



Dr. Abigail Silva, Epidemiology Track Director

## Core courses (18 credits)

- **MPBH 400:** Determinants of Population Health (3 credits)
- **MPBH 402:** Public Health Practice and Management (3 credits)
- **MPBH 403:** Introduction to Epidemiology (3 credits)
- **MPBH 409:** Biostatistics I (3 credits)
- **MPBH 407:** Public Health Policy: Concepts and Practice (3 credits)
- **MPBH 499:** Public Health in Action (3 credits)

## Track-Specific Courses (15 credits): *Five 3 credit hour courses*

- **MPBH 412:** Introduction to Statistical Computing for Public Health (3 credits)
- **MPBH 421:** Biostatistics II (3 credits)
- **MPBH 423:** Intermediate Epidemiology (3 credits)
- **MPBH 431:** Grant writing (3 credits)
- At least one of the following Research Methods **track specific courses**:
  - **MPBH 414:** Introduction to Global Health (3 credits)
  - **MPBH 415:** Epidemiology of Non-Communicable Diseases (3 credits)
  - **MPBH 426:** Infectious Diseases Epidemiology (3 credits)
  - **MPBH 427:** Advanced Statistical Methods (3 credits)
  - **MPBH 433:** Clinical Trials (3 credits)
  - **MPBH 434:** Systematic Review/Meta-Analysis (3 credits)
  - **ENVS 480:** Geographic Information Systems (3 credits)

• Students must complete at least **6 elective credits**

- **MPBH 410:** Practicum (1 credit)
- **MPBH 411:** Capstone (2 credits)

- Epidemiology is the study of the distribution and determinants of health-related states or events in specified populations, and the application of this study to the control of health problems.

**It is the basic science of public health**

- Epidemiology is a **quantitative discipline** that relies on a working knowledge of probability, statistics, and sound research methods.
- Epidemiology is a method of causal reasoning based on developing and testing hypotheses grounded in such scientific fields as biology and behavioral sciences to explain health-related behaviors/states/events.
- Combination of both in-person, blended, and online courses.

# Global Health Equity Track



Dr. Nallely Mora, Global Health Equity Track Director

## Core courses (18 credits)

- **MPBH 400:** Determinants of Population Health (3 credits)
- **MPBH 402:** Public Health Practice and Management (3 credits)
- **MPBH 403:** Introduction to Epidemiology (3 credits)
- **MPBH 409:** Biostatistics I (3 credits)
- **MPBH 407:** Public Health Policy: Concepts and Practice (3 credits)
- **MPBH 499:** Public Health in Action (3 credits)

## Global Health Equity Track-Specific Courses (15 credits): *Five 3 credit hour courses*

- **MPBH 414:** Introduction to Global Health (3 credits)
- **MPBH 417:** Global Maternal and Child Health (3 credits)
- **MPBH 431:** Grant writing (3 credits)
- **MPBH 422:** Population Health Planning and Management or **CMAN 448:** Program Planning and Marketing in Health Care (3 credits)
- **One of the following selective courses (3 credits):**
  - **BEHL 407:** Social Determinants of Health & Bioethics
  - **BEHL 432:** Global Bioethics
  - **SOWK 602:** Health Policy and Health Systems

• Students must complete at least 6 elective credits

- **MPBH 410:** Practicum (1 credit)
- **MPBH 411:** Capstone (2 credits)

- Rapid globalization with its impacts on population health in all parts of the world requires training of public health professionals with global perspectives.
- This track provides broad exposure to issues and programs focusing on global health with special emphasis on program planning and evaluation, as well as strong writing skills, critical thinking, and analytical skills.
- Students will be encouraged to take advantage of local, regional and international community-based experiential learning opportunities.
- Combination of both in-person, blended, and online courses.

# Public Health Policy & Management Track



Dr. Talar Markossian  
PH Policy & Management, Track Director

- Provides students with the theoretical, methodological, and practical experience relevant to address the **organization, processes, and outcomes of delivering health-related services to individuals and populations.**
- As part of the MPH mission, an emphasis is given throughout the coursework on **health disparities and social justice.**
- This track includes a broad array of course offerings allowing students to customize their academic focus on either Public Health Policy, Public Health Management, or both.
- This degree can be completed entirely online, includes synchronous curriculum components.

Core courses (18 credits)	
<ul style="list-style-type: none"> <li>• <b>MPBH 400:</b> Determinants of Population Health (3 credits)</li> <li>• <b>MPBH 402:</b> Public Health Practice and Management (3 credits)</li> <li>• <b>MPBH 403:</b> Introduction to Epidemiology (3 credits)</li> <li>• <b>MPBH 409:</b> Biostatistics I (3 credits)</li> <li>• <b>MPBH 407:</b> Public Health Policy: Concepts and Practice (3 credits)</li> <li>• <b>MPBH 499:</b> Public Health in Action (3 credits)</li> </ul>	
Public Health Policy and Management Track-Specific Courses (15 credits): <i>Five 3 credit hour courses</i>	
<ul style="list-style-type: none"> <li>• <b>MPBH 425:</b> Policy Analysis (3 credits)</li> <li>• <b>MPBH 416:</b> Health Services Research Methods (3 credits)</li> <li>• <b>One of the following selective courses (3 credits):</b> <b>BEHL 402:</b> Justice and Healthcare <b>or</b> <b>BEHL 404:</b> Biomedical Ethics &amp; the Law <b>or</b> <b>BEHL 407:</b> Social Determinants of Health &amp; Bioethics <b>or</b> <b>BEHL 411:</b> Systems Ethics Frameworks <b>or</b> <b>BEHL 412:</b> Organizational Ethics <b>or</b> <b>BEHL 432:</b> Global Bioethics</li> </ul>	
Track Selectives:	
Policy-oriented	Management-oriented
<ul style="list-style-type: none"> <li>• <b>MPBH 420:</b> Public Health Law: Theories and Cases (3 credits)</li> <li>• <b>MPBH 424:</b> Health Economics and Healthcare Financing (3 credits)</li> </ul>	<ul style="list-style-type: none"> <li>• <b>MPBH 422:</b> Population Health Planning and Management (3 credits) <b>or</b> <b>CMAN 448:</b> Program Planning and Marketing in Health Care (3 credits)</li> <li>• <b>CMAN 533:</b> Fiscal Management in Health Care Organizations (3 credits) <b>or</b> <b>MHA 451:</b> Healthcare Finance I</li> </ul>
<ul style="list-style-type: none"> <li>• Students must complete at least 6 elective credits</li> </ul>	
<ul style="list-style-type: none"> <li>• <b>MPBH 410:</b> Practicum (1 credit)</li> <li>• <b>MPBH 411:</b> Capstone (2 credits)</li> </ul>	

# Biostatistics Track



Dr. Fares Qeadan, PhD  
Biostatistics, Track Director

## Core courses (18 credits)

- **MPBH 400:** Determinants of Population Health (3 credits)
- **MPBH 402:** Public Health Practice and Management (3 credits)
- **MPBH 403:** Introduction to Epidemiology (3 credits)
- **MPBH 409:** Biostatistics I (3 credits)
- **MPBH 407:** Public Health Policy: Concepts and Practice (3 credits)
- **MPBH 499:** Public Health in Action (3 credits)

## Track-Specific Courses

(18 credits): Six 3 credit hour courses

- **MPBH 412:** Data Management & Statistical Computing for Public Health (3 credits )
- **MPBH 421:** Biostatistics II (3 credits)
- **MPBH 427:** Advanced Statistical Methods (3 credits)
- **MPBH 449:** Biostatistics for Public Health Interventions (3 credits)
- **MPBH 450:** Biostatistics for Electronic Health Record (EHR) Data (3 credits)
- **MPBH 460:** Public Health Data Visualization and Reporting (3 credits)

- Students must complete at least **3 elective credits** to be selected from:

- **MPBH 431:** Grant writing (3 credits)
- **MPBH 433:** Clinical Trials (3 credits)
- **MPBH 434:** Meta-Analysis (3 credits)
- **HIDS 411:** Clinical Data Science (3 credits)
- **ENVS 480:** Geographic Information Systems (3 credits)

- **MPBH 410:** Practicum (1 credit)
- **MPBH 411:** Capstone (2 credits)

- The biostatistics track provides students with the required skill-set to launch a career in clinical and public health research, with a strong focus on real-world data (RWD) and real-world evidence (RWE).
- Students in the track will learn to apply contemporary biostatistical techniques to address public health issues, develop evidence for public health decision-making through management and analysis of digital data, integrate statistical computing tools (i.e., seamlessly combining statistical computing tools with traditional public health research methods) for the analysis and interpretation of public health data, and use visualization to communicate biostatistical findings.
- Biostatistics graduates are well-prepared to lead in the data-driven public health landscape or pursue doctoral programs.
- The MPH Program in Biostatistics is a hybrid program with both traditional classroom and online coursework.

# What does a career in Public Health look like?

## Epidemiology

- ◆ Academic research
- ◆ Applied epidemiologist
- ◆ Clinical trial research
- ◆ Hospital/clinical epidemiologist
- ◆ Infection control preventionist
- ◆ Pharmaceutical epidemiologist
- ◆ Statistician/analyst

## Global Health Equity

- ◆ Global health consultant
- ◆ Global health educator
- ◆ Program planner & evaluator
- ◆ Community health specialist
- ◆ Grant writer

## PH Policy & Management

- ◆ Health policy analyst
- ◆ Program coordinator or manager
- ◆ Research specialist
- ◆ Research manager
- ◆ Director, executive or administrator

## Biostatistics

- ◆ Data analyst or data scientist in public health & government agencies
- ◆ Data analyst or data scientist in healthcare settings
- ◆ Research scientist in academic institutions or industry
- ◆ Quantitative consultant in health policy, insurance, or global health organizations

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# MPH Student Perspective

*"I am currently working for a non profit as an assistant research director. My MPH classes have truly prepared me for this job as I participate in grant writing, data management, data analysis, annual reports, etc!"*

*"The courses were structured to apply the content that is being learned. This taught me how to approach topics and understand/use the resources that are available."*

*"Each course I took from the core and track specific courses in some way has helped me perform in my current job."*

*"After my first year in the MPH program, I can confidently attest that Loyola University Chicago demonstrates a commitment and unwavering effort towards making students feel a sense of togetherness, despite being physically distanced."*

*"The MPH program helped me become a 'connector' - I can connect problems together, look at end-to-end processes from a more global perspective..."*



# Graduate & Professional Enrollment management (GPEM)

**Frank Lai**, Assistant Director, GPEM Recruitment:

[flai@luc.edu](mailto:flai@luc.edu)

Individual appointments can be made at  
[luc.edu/Parkinson/about/visitus](http://luc.edu/Parkinson/about/visitus)

**Graduate and Professional Enrollment Management Office**

Phone: 312-915-7900

Email: [gradapp@luc.edu](mailto:gradapp@luc.edu)

# HOW TO APPLY?

*May 15<sup>th</sup> for LUC Internal Spring BA/BS Graduates*

## **Minimum requirements for application:**

- Junior based on credit hours earned
- A minimum cumulative GPA of 3.0 for all course work at Loyola
- Two letters of recommendation (one from a faculty member who teaches a required course in the major)
- A one-page statement of purpose (500 – 1000 words)

**<https://gpem.luc.edu/apply/>**