Helpman Institute Certificate Programs for 2024 is now open

**1. About Helpman Institute**

Helpman Development Institute (HDI) is a public policy research, analysis and engagement organization focused on strengthening the nexus between research, industry, policy and development support communities. The Institute prioritizes capacity-building, scientific research and evidence-driven engagement in pursuit of the goal to promote public policy effectiveness.

**2. Overview of the Programs**

The Institute offers Certificate Programs in Actuarial Mathematics, Population Health and Public Policy. The 12-month programs are organized in three semesters comprising two semesters of coursework and one semester of empirical research. The taught courses are delivered online while the research component is conducted in-person on campus. These programs are delivered at postgraduate (predoctoral) level to prepare students for both doctoral studies and the labour market.

**Certificate Program in Actuarial Mathematics**

Are you ready to embark on a finance, insurance, and risk management career? Look only as far as our one-year Actuarial Mathematics Program.

This program prepares students for careers in the actuary profession as well as doctoral studies in actuarial science, risk management, and financial mathematics. The courses offer strong foundations in probability theory and financial mathematics, risk assessment, measurement and modelling, and their real-world applications in designing and pricing insurance products, including life and non-life insurance.

If you're ready to embark on a career filled with opportunities for growth, the Actuarial Science Program is your gateway. Join us and become a future finance, insurance, and risk management leader. Your journey begins here.

Program Structure

|  |  |
| --- | --- |
| First Semester | Credit Units |
| * Probability Theory and Distributions | 6 |
| * Risk Assessment and Analysis | 6 |
| * Introduction to Python | 4 |
| * Seminar in Actuarial Mathematics I | 4 |
| Second Semester |  |
| * Life Insurance Models | 6 |
| * General Insurance Model for Industries | 6 |
| * Health Insurance | 4 |
| * Seminar in Actuarial Mathematics II | 4 |
| Third Semester |  |
| * Empirical Research Project | 16 |
| * Seminar in Actuarial Mathematics II | 4 |
| Total | 60 |

Entry Requirements

* An undergraduate degree in Actuarial Science, Mathematics, Statistics, Physics or Engineering with a CGPA of at least 3.5/5.0 or its equivalent.

**Certificate Program in Population Health**

Population health examines the distribution and determinants of health outcomes in groups of individuals and utilizes the findings in the control of health problems. It equally entails linking policies and interventions to outcomes and health determinants. The certificate program allows students to explore areas in epidemiology, bio-statistics, economic evaluation, decision modelling and disease modelling. Students will have direct access to expert instructors and a diverse network of fellow students and will work on both team projects and independent studies.

Whether in your local community, nationally or internationally, you will be able to consider careers in fields such as Public Health, Epidemiology, Biostatistics, Healthcare Management, Health Economics and Policy. Your preferred field opens you to opportunities in lucrative sectors including Government, NGOs and for-profit sectors, Policy and advocacy, Research institutes and Centres, Graduate school (Master's or PhD).

You will also learn high-value transferable skills such as preparing and delivering oral presentations, teamwork, time management, scientific writing authoring and applying theory to practice.

Program Structure

|  |  |
| --- | --- |
| First semester | Credit units |
| * Principles of epidemiology for public health | 6 |
| * Principles of biostatistics with R | 6 |
| * Economic evaluation I: methods and principles | 4 |
| * Seminars in population health I | 4 |
| Second Semester |  |
| * Systematic review and meta-analysis | 4 |
| * Applications of biostatistics using R | 6 |
| * Economic evaluation II: analysis and modelling | 6 |
| * Research capstone I | 4 |
| Third Semester |  |
| * Research capstone II | 16 |
| * Seminars in population health II | 4 |
| Total | 60 |

Entry Requirements

* An undergraduate degree in quantitative or any health-related discipline, with a CGPA of at least 3.5/5.0 or its equivalent.
* Graduates of quantitative discplines must demonstrate aptitude for population health and healthcare issues. Graduates of health-related disciplines must demonstrate sufficient quantitative ability.

**Certificate Program in Public Policy**

The Certificate Program in Public Policy (C3P) offers graduates strong foundations in microeconomic theory, microeconometrics and policy evaluation, and introduces them to applied microeconomics fields including labour economics, population economics, health economics, industrial organization, public economics and environmental economics.

The capabilities offered in the program are needed in public policy institutions, development programs, industry and economic research and training institutions.

Program Structure

|  |  |
| --- | --- |
| First Semester | Credit Units |
| * Microeconomic Theory I | 6 |
| * Mathematics for Economists | 6 |
| * Statistics for Economists | 4 |
| * Applied Economics Seminar | 4 |
| Second Semester |  |
| * Microeconomic Theory II | 6 |
| * Econometrics | 6 |
| * Applied Microeconomics | 4 |
| * Policy Impact Evaluation | 4 |
| Third Semester |  |
| * Empirical Research Project | 16 |
| * Seminar | 4 |
| Total | 60 |

Entry Requirements

* An undergraduate degree in Economics, Actuarial Science, Mathematics, Statistics, Physics or Engineering, with a CGPA of at least 3.5/5.0 or its equivalent
* Demonstrable interest in an applied microeconomics field or microeconometrics

**3. Selection criteria**

In ranking applicants, the Selection Committee will consider:

* Prior academic performance
* Relevance of previous studies
* Professional experience

The Selection Committee may seek further information to clarify any aspect of an application.

**4. Timelines**

Applications open: October 25, 2023 - November 30th, 2023

Admission Notification: December 10, 2023

Pre-program study materials: December 18, 2023

Program dates: January 8, 2024 – December 20, 2024

**5. Fees**

The fee is N150,000 per student for any program.

**6. Enquiries**

**Contact us:** +234 802 096 0617; info@helpmaninstitute.org

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