

Offered by:

Department of Community Health Sciences

Information and Registration:

Master of Science in Public Health
Department of Community Health Sciences

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Office of Registrar

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Environment, Climate Change and Human Health Standalone Course with Graduate Credits

January 23 - May 22, 2026 | 2:00 - 5:00 pm | Every Friday

The Master of Science in Public Health (MSPH) Programme is pleased to announce the standalone course scheduled for January – May 2026. This course is part of the programme curriculum but can also be taken without enrolling in a degree programme. Course credits can contribute towards a master's degree.

Course Description

This course provides an overview of the principles of environmental health and climate change, focusing on its current understanding as one of the most significant threats to human health. Students will explore environmental hazards—chemical, physical, biological agents in air, water, and soil—and their effects on health, along with methodological approaches to climate and environmental epidemiology. The course emphasizes climate change's direct and indirect pathways influencing health, including its role in altering disease patterns, straining health systems, and exacerbating vulnerabilities in social and environmental determinants such as air quality, water safety, food security, and shelter availability. Students will analyze global and regional case studies illustrating climate change's impacts on public health, including emerging infectious diseases, geographical disease shifts, and disaster-driven disruptions to health infrastructure. Practical tools for hazard surveillance, risk assessment, and spatial-temporal analysis (e.g., satellite data) will be introduced. The course also covers mitigation and adaptation strategies with actionable interventions at national, provincial, and district levels to reduce climate-related health risks. Assessment includes home assignments, case-studybased seminars, quizzes, and mid- and end-semester examinations.

Audience

- Physicians, dentists, nurses, and allied health professionals, preferably with experience in public health
- Health sector managers public and private
- Public health professionals from other disciplines who have the required experience
- Health professionals working with NGOs and development agencies

Enrolment Criteria

Candidates for enrolment in this course must present the following:

Candidates should have at least one year of fulltime work experience after graduation in a healthrelated field (voluntary work, a part-time or unpaid internship is not included) and should hold at least one of the following degrees:

Sixteen-year undergraduate degree from an accredited / recognised university in Sciences / Health Sciences including bachelor's degree such as BSPH, MBBS, BDS, BScN, DVM, D Pharm, Nutrition BS Human and Dietetics, BSc Paramedics, BS in physiotherapy / DPT, BS in Medical Laboratory Technology, BS in Dental Hygiene, BS in Occupational Therapy, BS in Optometry, BS in Audiology, Biotechnology, BS in Biosciences (or equivalent).

Course credits can contribute towards a master's degree:

Candidates who will achieve a cGPA of 3.5 or above after completing two courses or a cGPA of 3.0 or above after completing three courses are exempted from writing the Admission Test. They will be required to appear for an interview. The courses are valid for three years only for entry into the MSPH programme.

Important Information:

Submit the form via e-mail by Friday, December 26, 2025, at <u>visiting.application@aku.edu</u> along with the following as a PDF file:

- Completed and signed application form along with a photograph
- Attested copy of degree and marks sheet of sixteen years of schooling in the relevant field as mentioned in the criteria.
- Attested copy of CNIC / Passport
- Attested copy of work experience letter

Interested candidates are encouraged to ensure their applications are duly completed, as incomplete applications will not be processed.

AKU may request additional documentation or an equivalence certificate to clarify your qualification.

Course Director: Dr. Zafar Fatmi Course fee: PKR 117,000 Register by: December 26, 2025