

THE HONG KONG POLYTECHNIC UNIVERSITY

DEPARTMENT OF APPLIED MATHEMATICS

Post Specification

Assistant Professor in Applied Statistics and Financial Mathematics / Engineering and Computational Mathematics / Applied Optimization and Operations Research (several posts) (Ref. 19022115)

The Department of Applied Mathematics (AMA) is part of the Faculty of Applied Science and Textiles. The Department offers undergraduate programmes in Investment Science and Finance Analytics, and Data Science and Analytics, and makes a significant contribution to most of the other academic programmes of the University by providing service teaching. It also offers master's programmes in Applied Mathematics for Science and Technology with specialism in Decision Science and Actuarial and Investment Science, and Operational Research and Risk Analysis. Members of the Department have expertise in applied optimisation and optimal control, engineering computation, operational research, management science and applied statistics. There are currently 43 academic staff and about 50 research personnel in the Department. Please visit the website at <http://www.polyu.edu.hk/ama> for more information about the Department.

Duties

The appointees will be required to:

- (a) teach and contribute to curriculum development at undergraduate and postgraduate levels;
- (b) supervise MPhil and PhD students;
- (c) engage in scholarly research, consultancy and other scholarly activities leading to publications in top-tier refereed journals and awards of research grants;
- (d) undertake academic and departmental administrative duties; and
- (e) perform any other duties as assigned by the Head of the Department or his/her delegates.

The Department has established a Joint Research Institute with the Academy of Mathematics and System Sciences of the Chinese Academy of Sciences. The appointees are expected to be actively involved in the activities of the Institute.

Qualifications

Applicants should have:

- (a) a doctoral degree in Mathematics, Statistics, Financial Mathematics, Operations Research, Computational Mathematics, Applied Mathematics or a closely related field;
- (b) an established track record in research and scholarship, including refereed publications and external grant applications;

- (c) expertise in applied statistics, operations research and mathematics; and
- (d) a demonstrated commitment to excellence in teaching.

Remuneration and Conditions of Service

A highly competitive remuneration package will be offered. Initial appointments will be on a fixed-term gratuity-bearing contract. Re-engagement thereafter is subject to mutual agreement. For general information on terms and conditions for appointment of academic staff in the University, please visit the website at <http://www.polyu.edu.hk/hro/TC.htm>. Applicants should state their current and expected salary in the application.

21 February 2019