

FACULTY OF APPLIED SCIENCE & TEXTILES

# FEAST



PROGRAMME GUIDE 2021 / 22



Faculty of  
Applied Science & Textiles  
應用科學及紡織學院

Our Departments have over 190 academic staff. We offer a comprehensive range of academic programmes, covering undergraduate, postgraduate degrees and higher diplomas. We have nearly 304 students pursuing MPhil and PhD by research and around 2,206 full-time and part-time students of taught postgraduate, undergraduate and sub-degree programmes.

We promote a vibrant and dynamic teaching and learning environment. Our emphasis is not only on knowledge and technological know-how, but also independent thinking and analytical ability. Our Departments employ an array of interactive methodologies to promote active learning, thereby fostering students' inquisitiveness and creativity. Our curricula are constantly updated to cater the broad spectrum of applied science and textiles, and the implementation of 4-year curriculum leads to a revamp of the academic programmes.

Consonant with the strategic objective of the University, our Departments integrate all-round development of students in the curricula. Exchange programmes, industrial placements/ internship and visits are very much part of our agenda. Students have opportunities to visit universities in Mainland China, Australia, Korea, Germany, Finland, France, the US and the UK. Hundreds of our students also participate in various China experience activities each year. The exposure from sojourns of just weeks to an entire semester, is invaluable experience as appraised by the students.

Our high quality education is supported by the dedicated academic staff. They are committed to conduct scientific research work which underpins the teaching while instill in our students the scientific rigour and ethnics. Our Faculty has, in the past decade, fostered a dynamic research culture. Our research efforts are supported by well-equipped laboratories. Our research projects are funded by a variety of sources from the General Research Fund of the Government to collaborative contributions in the form of Innovation and Technology Fund and private donations from the industry. Over the years, our research teams have built the faculty's reputation for research of exceptional quality. The many innovations we have identified have earned international recognition/ awards and made proven value to the industries and the community as a whole.





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Dean

Professor Wing-tak Wong

黃永德教授

Chair Professor of Chemical Technology

*BSc, MPhil, PhD, ScD,*

*FRSC, CChem, CSc*

Associate Deans

Professor Raymond Wai-yeung Wong

黃維揚教授

Clarea Au Professor in Energy

Chair Professor of Chemical Technology

*BSc, PhD, CChem, FRSC,*

*President (Hong Kong Chemical Society)*

Professor Man-sau Wong

黃文秀教授

*BSc, PhD*

Professor Kin-wing Kwok

郭建榮教授

*BSc, MPhil, PhD*





## DEPARTMENT of APPLIED BIOLOGY & CHEMICAL TECHNOLOGY

Head  
Professor Samuel Lo  
盧俊立教授  
BSc, PhD

PROGRAMME	MODE OF STUDY	INTAKE NO.
MSc in Global Food Safety Management and Risk Analysis (12057)* 環球食品安全管理及風險分析理學碩士學位	Mixed-mode	30
MSc in Nutrition and Healthy Ageing (12058)* 營養與健康活齡理學碩士學位	Mixed-mode	30
BSc(Hons) in Applied Biology with Biotechnology (JS3923) 應用生物兼生物科技(榮譽)理學士學位	Full-time	26
BSc(Hons) in Chemical Technology (JS3997) 化學科技(榮譽)理學士學位	Full-time	26
BSc(Hons) in Food Safety and Technology (JS3349) 食品科技與食物安全(榮譽)理學士學位	Full-time	26
BSc(Hons) in Analytical Sciences for Testing and Certification (12456) (Articulation Programme for Local Senior Year Admissions) 檢測及認證分析科學(榮譽)理學士學位	Full-time	32
Higher Diploma in Chemical Technology (JS3040) 化學科技高級文憑	Full-time	48



## DEPARTMENT of APPLIED MATHEMATICS

Head  
Professor Defeng Sun  
孫德鋒教授  
Chair Professor of Applied Optimization  
and Operations Research  
BS, MSc, PhD

PROGRAMME	MODE OF STUDY	INTAKE NO.
MSc in Applied Mathematics for Science and Technology (63022)* 科技應用數學理學碩士學位		60
• Specialism in Actuarial and Investment Science 精算及投資科學專業	Full-time	
• Specialism in Decision Science 決策科學專業	Part-time	
MSc in Data Science and Analytics (63027)* 數據科學及分析理學碩士學位	Mixed-mode	50
MSc in Operational Research and Risk Analysis (63024)* 運籌及風險分析理學碩士學位	Mixed-Mode	60
BSc(Hons) in Investment Science and Finance Analytics (JS3806) 投資科學及金融分析(榮譽)理學士學位	Full-time	19
BSc(Hons) in Data Science and Analytics (63425) (Articulation Programme for Local Senior Year Admissions) 數據科學及分析(榮譽)理學士學位	Full-time	25





## DEPARTMENT of APPLIED PHYSICS

Head  
Professor Daniel Lau  
劉樹平教授  
Chair Professor of Nanomaterials  
BSc, PhD

PROGRAMME	MODE OF STUDY	INTAKE NO.
BSc(Hons) in Engineering Physics (JS3985) 工程物理學(榮譽)理學士學位	Full-time	25
BSc(Hons) in Engineering Physics (Optoelectronics) (11439-OPT) 工程物理學(榮譽)理學士學位(光電子學)	Full-time	34
Higher Diploma in Applied Physics (JS3014) 應用物理學高級文憑	Full-time	51



## INSTITUTE of TEXTILES & CLOTHING

Head  
Professor Jintu Fan  
范金土教授  
Chair Professor of Fiber Science  
& Apparel Engineering  
DSc, PhD, Hon. FTI, FRSA

PROGRAMME	MODE OF STUDY	INTAKE NO.
MA in Fashion and Textile Design (14097)* 服裝及紡織品設計文學碩士學位	Full-time	26
MA in Fashion and Textiles (14102)* 服裝及紡織文學碩士學位	Mixed-mode	50
<ul style="list-style-type: none"> <li>• Specialism in Fashion Merchandising 服裝營銷策劃專業</li> <li>• Specialism in Global Fashion Management 全球化服裝管理專業</li> </ul>		
BA(Hons) Scheme in Fashion and Textiles (JS3492) 服裝及紡織(榮譽)文學士學位組合課程	Full-time	92
<ul style="list-style-type: none"> <li>• Specialism in Technology 科技專業</li> <li>• Specialism in Design 設計專業</li> <li>• Specialism in Retail &amp; Marketing 零售及市場學專業</li> <li>• Specialism in Intimate Apparel &amp; Activewear 內衣及運動服裝專業</li> <li>• Specialism in Knitwear Design &amp; Technology 針織時裝設計及科技專業</li> </ul>		
BSc(Hons) in Digital Fashion (14404)^ (Articulation Programme for Local Senior Year Admissions) 數碼時尚(榮譽)理學士學位	Full-time	30

^ This programme is offered subject to approval.

\* This programme is not government-funded; it is offered on self-financed basis.

The leaflet was compiled in August 2020. Applicants are advised to visit Academic Registry website [www.polyu.edu.hk/study](http://www.polyu.edu.hk/study) for latest information including admission score calculation mechanism.



THE HONG KONG  
POLYTECHNIC UNIVERSITY  
香港理工大學



Faculty of  
Applied Science & Textiles  
應用科學及紡織學院



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