

HKUST EXPERIENCE DAY

10/10/2021 (Sun)



Event
Schedule

A vibrant, abstract graphic on a dark blue background. It features a central multi-colored target with a red arrow hitting the bullseye. Surrounding the target are various colorful icons: a DNA double helix, a gear, a hand holding a magnifying glass, musical notes, a globe, a laptop, a rocket, a plane, a starburst, and various colored circles and hexagons. The overall theme is science, technology, and innovation.

Experiential Workshops
Guided Campus and Facility Tours
Lab Tours and Demo Sessions
Thematic Taster Lectures/Sharing
Admissions Consultation Booths



A. Popular Science Talk

Science is the foundation of numerous applications we encounter in our daily life. The faculty members at HKUST School of Science do not only engage in frontier scientific research, but are also enthusiastic in communicating the research findings. Here you can learn from our faculty members about the interesting science phenomena and their applications in daily life.

Area	Time	Event Program Name (As Shown on RSVP Form)	Speaker(s)	Language	Duration	Participant Capacity
Physics	15:00 - 15:30	Physics Talk: Light Pillars – Large Painting of Tiny Structure	Dr. Man Fung CHEUNG	Cantonese	30 mins	150-200
Life Science	16:00 - 16:30	Life Science Talk: Reading and writing the genetic code: diagnostics, GMOs, and designer babies	Prof. Angela WU	Cantonese	30 mins	150-200
Ocean Science	17:00 - 17:30	Ocean Science Talk: Let's Go with "Oceans and climate change" for now	Prof. Julian MAK	Cantonese	30 mins	150-200

B. Science Busking

You may have encountered many fascinating observations in nature, but may not yet understand the scientific principles behind, which could be more simple than how you imagine. Our science students, who are enthusiastic in both science and science education, will conduct interesting science demonstration, and bring you the joy of science discovery.

Area	Time	Event Program Name (As Shown on RSVP Form)	Speaker(s)	Language	Duration	Participant Capacity
Physics	15:30 - 16:00	Physics Busking: Interesting Physics Phenomena	Prof. Tian Wen CHEN and Physics students	Cantonese	30 mins	150-200
Life Science	16:30 - 17:00	Life Science Busking: Human Genetics in Practice	Prof. Ho Yi MAK and Life Science students	Cantonese	30 mins	150-200
Chemistry	17:30 - 18:00	Chemistry Busking: Magical Chemistry Experiments	Dr. Jason CHAN and Chemistry students	Cantonese	30 mins	150-200

C. Taster Class – Mathematics

Playing math games can help improve the problem solving, logic, memory, spatial awareness and more. Math challenges at the right level are also fun and exciting. Here you can enjoy several interesting, challenging and yet achievable math games in small groups, under the guidance of our mathematics professor.

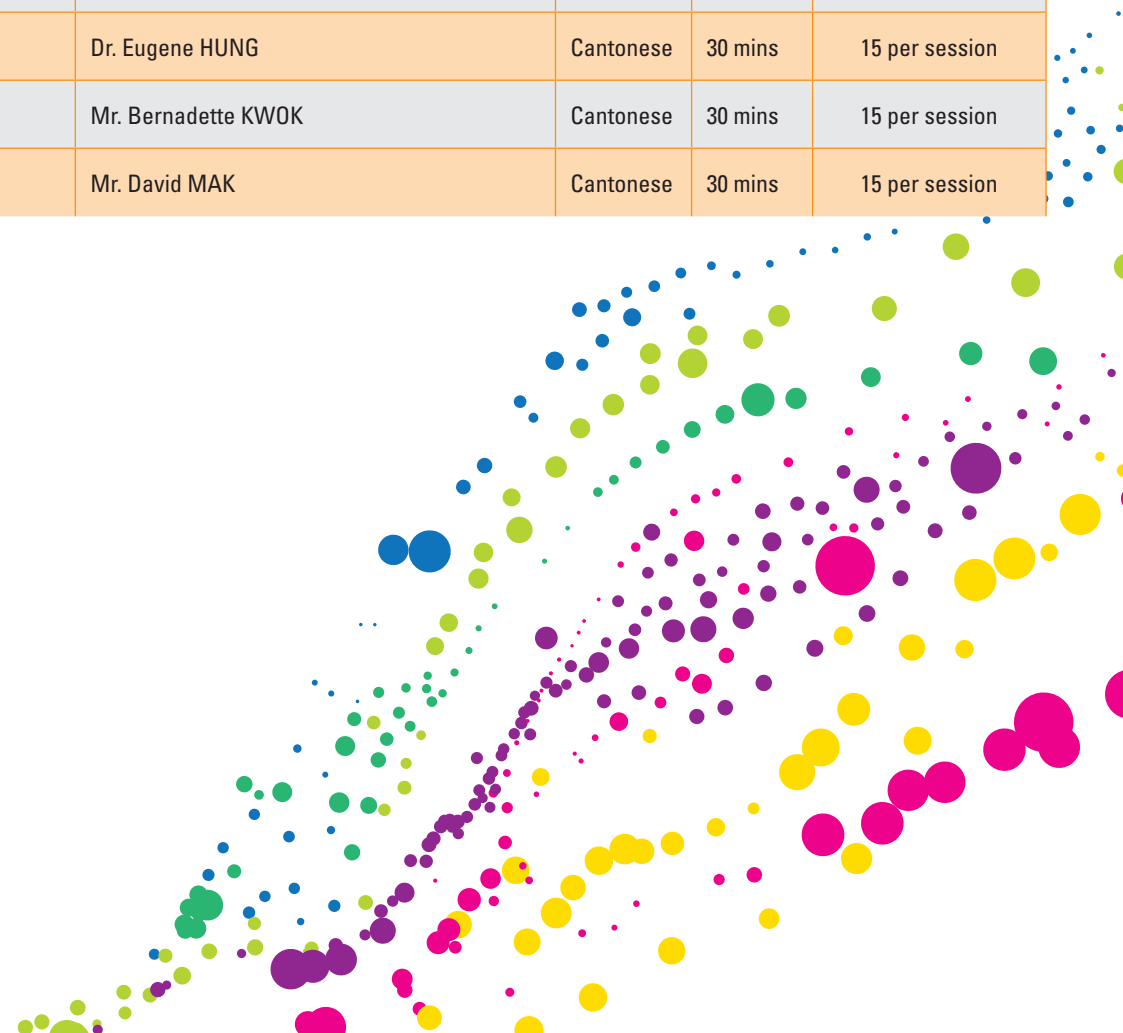
Area	Time	Event Program Name (As Shown on RSVP Form)	Speaker(s)	Language	Duration	Participant Capacity
Mathematics	15:00 - 15:45 16:00 - 16:45	Math Challenge and Game Activities	Prof. Ivan IP	Cantonese	45 mins	50



Lab Tour / Interactive Activity

As one of the four Schools at HKUST, the School of Science houses various state-of-the-art research and teaching facilities. Through the guided tours you will have a glimpse of our research environment and resources, which are indispensable to the advancement of frontier scientific development.

Area	Starting Time	Event Program Name (As Shown on RSVP Form)	Speaker(s)	Language	Duration	Participant Capacity
Chemistry	15:00/16:00/17:00	General Chemistry Lab Tour & Demo	Prof. Dennis CHAN	Cantonese	30 mins	15 per session
Life Science	15:00/16:00/17:00	Life Science Teaching Lab Tour and Interactive Activities	Dr. Eugene HUNG	Cantonese	30 mins	15 per session
Ocean Science	15:00/16:00/17:00	Ocean Research Facility – Tour and Interactive Activities	Mr. Bernadette KWOK	Cantonese	30 mins	15 per session
Physics	15:00/16:00/17:00	Physics Lab Tour and Interactive Activities	Mr. David MAK	Cantonese	30 mins	15 per session





Experiential Workshop

Area	Time	Event Program Name (As Shown on RSVP Form)	Details	Language	Duration	Participant Capacity
Chemical and Biological Engineering	15:00 - 16:30	Making Popping Bubble Tea	Have you ever tried popping bubble tea? Do you enjoy the excitement when it pops in the mouth with an intense burst of juice or specified flavor? Bubble tea are popular at milk tea stores in recent years. It is a typical examples of molecular gastronomy. Under the controlled chemical reaction, the texture and flavor of food or drinks are presented in an incredible way. Through the application of the knowledge in chemistry and engineering, this experiment will help you explore the magic behind food making.	Bilingual	1.5 hours	20
Electronic and Computer Engineering	15:00 - 17:00	Dissection of Computer Brain	In this workshop, participants are asked to disassemble a working personal computer (PC) and take notes of the specifications of some of the components. Then they will have to reassemble the components back and reboot the PC up successfully.	English	2 hours	20
Integrative Systems & Design	15:00 - 17:00	Purposeful 3D Design and Prototyping	In this workshop, participants will get an opportunity to learn the principles of 3D design and do a prototyping by themselves. They will learn how to develop a design idea according to design principles and develop it into a 3D model via a Computer-aided design (CAD) software, SketchUp, in computer. Finally, they will learn the basic theory, method and setting on how to print models in 3D printers.	Bilingual	2 hours	20

Inspiring Faculty / Alumni / Student Sharing

Area	Time	Event Program Name (As Shown on RSVP Form)	Details	Language	Duration	Participant Capacity
Mechanical & Aerospace Engineering	15:00 - 16:30	Mechanical and Aerospace Engineering (MAE) Alumni and Faculty Sharing Session	Alumni and faculty members of MAE Department will share their experiences and insights in studying, university life and career opportunities with prospective students in a causal meet up. It provides a chance to all parties to meet and exchange ideas in a relaxed atmosphere.	Cantonese	1.5 hours	100



School of Engineering



Inspiring Faculty / Alumni / Student Sharing

Area	Time	Event Program Name (As Shown on RSVP Form)	Details	Language	Duration	Participant Capacity
Sustainable Energy Engineering	16:00 - 16:30	Dialogue with Sustainable Energy Engineering (SUSEE) Students and Alumni	The SUSEE student representatives and alumni will share about their real learning experience and career path. Prospective students can talk to the current students directly and gain comprehensive understanding of the program.	Bilingual	30 mins	100
Industrial Engineering & Decision Analytics	17:00 - 17:45	Industrial Engineering & Decision Analytics (IEDA) Career Talk	Want to know more about the promising career path of our graduates? Young IEDA alumni will share with you on their exciting career in the financial sector and service industries!	English	45 mins	100

Lab Tour / Interactive Activity

Area	Starting Time	Event Program Name (As Shown on RSVP Form)	Details	Language	Duration	Participant Capacity
Engineering	15:00/16:00/17:00	USEL Laboratory Exploration and Soccer Robot Experience Session (USEL = Undergraduate Student-initiated Experiential Learning Program)	Students will have the opportunity to explore what MakerSpace in the University is like. Engineering students will share their self-initiated projects including 3D modeling, RC aircraft design, self-balancing robot, etc. Towards to end of the visit, students will be able to participate in a soccer robot competition match.	15:00/16:00 (Cantonese); 17:00 (English)	45 mins	24 per session
Engineering	15:00/15:30/16:00/ 16:30/17:00/17:30	Game of Throwing	In ABU Robocon 2021, the theme of this robotics competition is "Throwing arrows into pots" which is a traditional etiquette and game in ancient China. We would like to invite you to play against our robot. Let's Humans versus Robots. Who can throw more arrows into pots?	Bilingual	30 mins	16 per session
Chemical and Biological Engineering	15:00/15:30/16:00	Chemical and Biological Engineering Teaching Laboratory	This lab tour includes an overview of the undergraduate teaching lab and lab demonstrations that give visiting students the opportunity to learn about fermentation and spray drying technique and pharmaceutical preparation process.	Bilingual	30 mins	20 per session



Lab Tour / Interactive Activity



Area	Starting Time	Event Program Name (As Shown on RSVP Form)	Details	Language	Duration	Participant Capacity
Civil and Environmental Engineering	15:00/16:00	Structures and Construction Materials Laboratory	In the lab tour, we will demonstrate the facilities in the laboratory used for both undergraduate and postgraduate teaching and research. Also, we will show various models so that students can have a glimpse of how civil engineers work in their daily routine.	Cantonese	30 mins	30 per session
Computer Engineering / Electronic and Computer Engineering	15:00/15:30	State Key Laboratory on Advanced Displays and Optoelectronics Technologies	In this lab tour, visitor will see the basic and applied research projects of the State Key Laboratory of Advanced Displays and Optoelectronics Technologies (SKL of ADT), including areas related to oxide thin film transistors (TFT) array technology; third generation organic LED (OLED) devices; liquid crystal display (LCD) devices; video signal processing; IC design; and frontier technologies.	Bilingual	30 mins	20 per session
Computer Engineering / Electronic and Computer Engineering	15:00/15:30	Nanosystem Fabrication Facility	The Nanosystem Fabrication Facility (CWB) is the first nanofabrication laboratory established at a tertiary institution in Hong Kong since 1991. The lab has provided fabrication facilities in support of research and teaching in micro/nano devices and systems. In the lab tour, visitors will be able to see the state-of-the-art equipment and processes performed in cleanroom environment.	Bilingual	30 mins	20 per session
	16:00/16:30	Wireless Communication Laboratory	From baseband and RF circuits to microelectronics operating at 50GHz, in this lab tour, we will showcase circuit, device, antenna and channel measurements. Visitors will be able to see a full set of facilities for developing high-frequency circuits and systems, and to foster an environment where systems engineering, circuit design and device fabrication cooperate at many levels.	Bilingual	30 mins	20 per session
	16:00/16:30	Cheng Kar-Shun Robotics Institute	The Cheng Kar-Shun Robotics Institute is a multidisciplinary platform for integrating, facilitating and enabling university-wide programs in robotics-related research, development and education. In this lab tour, we will showcase research thrusts including Autonomous Systems and Robots, Manufacturing Automation and Smart Factory, Human-Robot Interaction, and Smart Home and Smart Infrastructure.	Bilingual	30 mins	20 per session



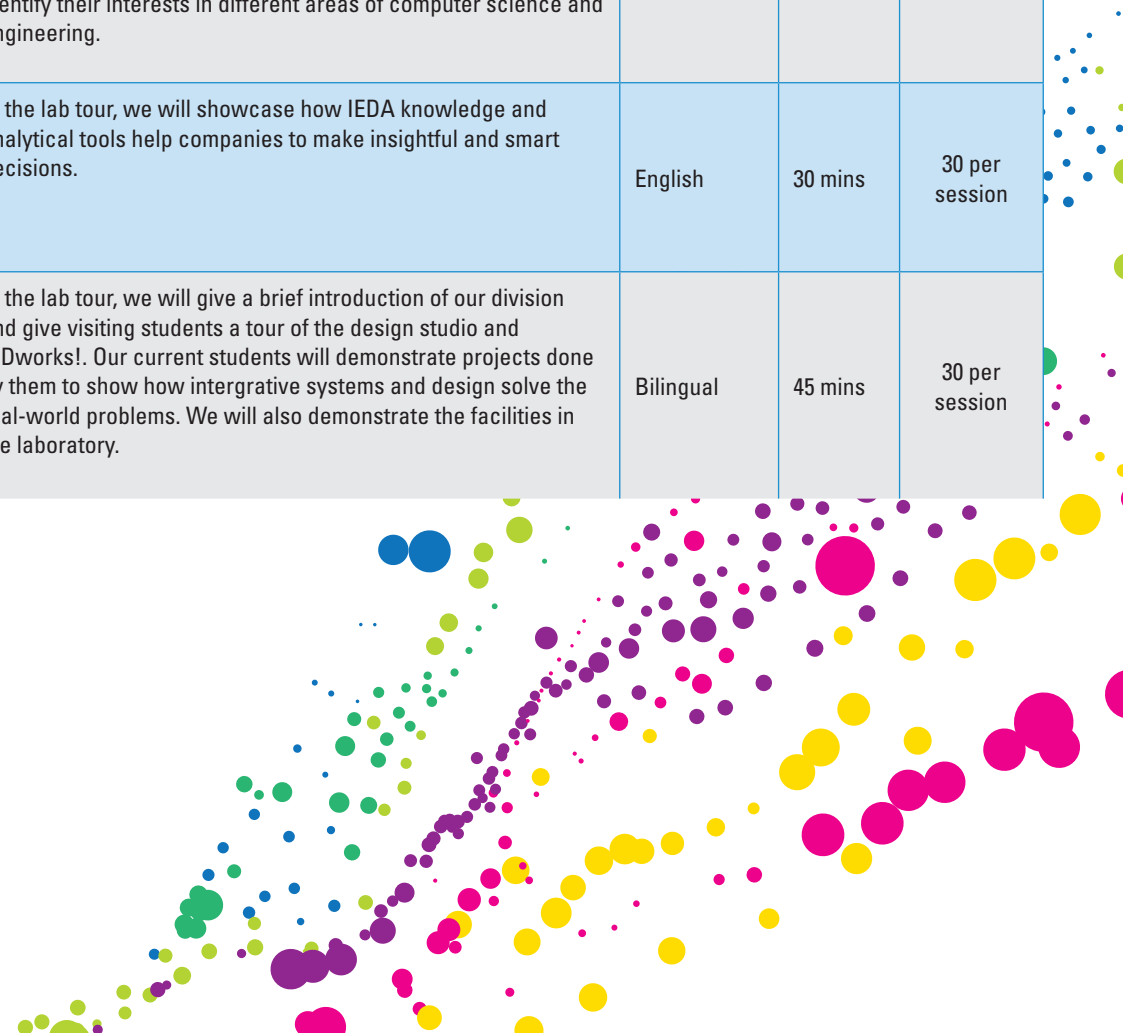
School of Engineering



Lab Tour / Interactive Activity



Area	Starting Time	Event Program Name (As Shown on RSVP Form)	Details	Language	Duration	Participant Capacity
Computer Science and Engineering / Computer Engineering	15:00/15:30/16:00	Computer Science and Engineering Teaching Laboratory	The lab tour will showcase exceptional works and projects done by the computer science and engineering students. By demonstrating the knowledge students have acquired and how they apply them into real-case problems, we hope participants could develop a better understanding of the curriculums and identify their interests in different areas of computer science and engineering.	Cantonese	30 mins	30 per session
Industrial Engineering & Decision Analytics	15:00/15:30	Information Systems Laboratory	In the lab tour, we will showcase how IEDA knowledge and analytical tools help companies to make insightful and smart decisions.	English	30 mins	30 per session
Integrative Systems & Design	15:00	Integrative Systems & Design (ISD) Design Studio and ISDworks!	In the lab tour, we will give a brief introduction of our division and give visiting students a tour of the design studio and ISDworks!. Our current students will demonstrate projects done by them to show how intergrative systems and design solve the real-world problems. We will also demonstrate the facilities in the laboratory.	Bilingual	45 mins	30 per session





Lab Tour / Interactive Activity



Area	Starting Time	Event Program Name (As Shown on RSVP Form)	Details	Language	Duration	Participant Capacity
Mechanical and Aerospace Engineering	15:00/15:30/16:00	Amazing VR Journey to Mechanical & Aerospace Engineering (MAE) Labs	Students will have a chance to experience our UG lab course and visit MAE labs with a VR headset	English	30 mins	15 per session
	15:00/15:30	Jockey Club Controlled Environment Test Facility	The lab tour will demonstrate the Energy Environmental Chamber and Small Wind Tunnel to prospective students. We will also showcase the facilities used for energy efficiency tests of electrical appliances in the lab tour.	Cantonese	30 mins	20 per session
	15:00/15:30	Materials, Design and Manufacturing Facility	The lab tour will showcase the facilities used for research and student projects. State-of-Art equipment, such as 3D Printer, 3D scanning and Laser Cutting machines will also be demonstrated.	Cantonese	30 mins	20 per session
	15:00 - 16:00	Aero Technology in Olympics	Still reminiscing viral moments from 2020 Tokyo Olympics? What does sports aerodynamics technology do behind the scene? Join us to experience more!	English	1 hour	20 per session
Sustainable Energy Engineering	15:00/15:30	Sustainable Energy Engineering Laboratory and Experiential Learning Laboratory	<p>The SUSEE lab tour will show sophisticated equipment for manufacturing lithium battery, including electrode preparation, cell assembly, and battery testing rig. In addition, a hydrogen fuel cell system will be shown and demonstrated.</p> <p>Besides, the lab tour also shows the newly developed experiential lab, offering opportunities to our UG students in exploring their ideas, testing their hypothesis, and developing prototypes.</p>	Bilingual	30 mins	10 per session



Experiential Workshop

Unit	Time	Event Program Name (As Shown on RSVP Form)	Speaker(s)	Details	Language	Duration	Participant Capacity
World Bachelor in Business (WBB)	15:00 - 17:00	Risky Decisions: How Should You Make Decisions Under Uncertainty?	Prof. Stephen Nason has taught in a wide range of under- and post-graduate programs at HKUST, including the highly-ranked MBA and EMBA programs. Most of his teaching involves either negotiations or decision-making. Prof. Nason also heads the World Bachelor of Business program.	We are increasingly called to make decisions in complex, rapidly changing situations characterized by a good deal of uncertainty. Making decisions with uncertain information and uncertain outcomes are difficult, very difficult, and people are not good at it. In this workshop we will discuss decision making under such conditions of uncertainty, typical biases that affect us when we make decisions under uncertainty, and ways we can improve our decision making.	English	2 hours	80
The International Consulting Club (ICC)	15:00 - 17:00	I Got 99 Problems To Solve Before The Next Business Meeting	The International Consulting Club (ICC) is one of the premier student-affiliated organizations at HKUST in Hong Kong and USC in Los Angeles. Case analysis workshops, social networking opportunities, and at least 3-4 client engagement projects are offered to equip our members with real-life, hands-on consulting experience every year.	The workshop will give participants a taste of identifying problems, analyzing internal and external factors, advising and coaching, and recommending solutions to corporates to improve business performance.	English	2 hours	50
Traders@UST	15:00 - 17:30	The Little Wolf of Wall Street @ HKUST	Traders@UST is a student-run initiative dedicated to facilitating the development, learning, and innovation of students seeking to enter the finance industry by providing immersive training and hands-on practicals.	The workshop is co-offered by Traders@UST and Amplify Trading, a leading financial firm investing in technology. Participants will get a taste of managing hedge fund in financial market, under the coaching of Traders@UST, via the well-designed and practical simulation program.	English	150 mins	80



Inspiring Alumni / Student Sharing

Unit	Time	Event Program Name (As Shown on RSVP Form)	Speaker(s)	Details	Language	Duration	Participant Capacity
Business and Management	15:00 - 16:00	Working Internationally and Leading Cross-cultural Teams	Ms. Carrie Ng graduated from BBA (Global Business and Management) and joined HSBC international management trainee program. She worked in various parts of the world, including Guernsey, London, and Macau.	Carrie will share with participants about how a bachelor's degree obtained at HKUST unlock tremendous work opportunities beyond Hong Kong, with her rich experience in working and leading multicultural teams in the banking industry.	English	1 hour	115
	15:00 - 16:00	Alumni Entrepreneur: How I Start Meaningful From Scratch	Joey So (BBA graduate) co-founded Meaningful during her undergraduate studies at HKUST Business School to make every meal meaningful. Her social enterprise has been widely covered by local media after winning the Hong Kong Social Enterprise Challenge 2019.	Participants will have the opportunity to learn about how to run a sustainable business and serve the community simultaneously. Joey and her business partner will also demonstrate the making of soft meals in this workshop. Joey will also share tips to win the seed fund for startups.	Cantonese	1 hour	60
	16:30 - 17:30	How to be a YouTuber – Step-by-Step For Beginners	From student life at HKUST Business School to daily vlog, C.Peach (C桃) started her YouTuber life three years ago and has attracted over 2.77K subscribers on her YouTube channel now.	C.Peach (C桃) will share how she started her YouTube Channel and the reasons for her success. She will also reveal how the analytics on YouTube shapes her YouTuber journey. If you have ever thought of becoming a YouTuber, this is the workshop you should join!	Cantonese	1 hour	60
	16:15 - 17:00/ 17:15 - 18:00	How to Start Your Business at HKUST? A Complete Guide For Beginners	Breer is a student startup, co-founded by three business students Suyash (BBA Economics), Deevansh (BBA Marketing & Management), and Naman (Business & Management). Their business collects unsold, uneaten, and surplus bread, and uses it to brew local craft beer. Cheers to sustainability!	Breer will share how they expanded their business with the HKUST's Entrepreneurship Acceleration Fund, Business Alumni Committee community and other supports on offer. This is a must-join workshop if you want to start your business at HKUST Business School!	English	1 hour	85 per session



School of Humanities and Social Science



Taster Talk / Class



Unit	Time	Event Program Name (As Shown on RSVP Form)	Speaker(s)	Details	Language	Duration	Participant Capacity
Humanities	15:00 - 15:45	Am I the Master of my Fate? [我命由我？由天？]	Prof. Sai Lok NAM, Assistant Professor of Humanities Education	You successfully challenged Fatalism when you choose a talk in this program. However, is everything under your control? This talk introduces different conceptions of destiny, suitable for those who have faith in themselves or experienced powerlessness in the past. 當你選擇這個講座時，宿命論就已經不攻自破，但人生際遇是否每每能掌握手中？本講座將介紹幾種有關命運的觀點，適合對人生充滿希望或無力的你。	Cantonese	45 mins	100
Social Science	16:00 - 16:45	What can social network analysis tell us?	Prof. Barbara Franziska KELLER, Assistant Professor	This talk introduces Social Network Analysis, a way to study social relations and interactions between people, focusing not just on the specific connection, but the whole network thereof. It can demonstrate how you are connected to others indirectly, or how a disease like covid-19 spread through a community.	English	45 mins	100

Experiential Workshop



Unit	Time	Event Program Name (As Shown on RSVP Form)	Speaker(s)	Details	Language	Duration	Participant Capacity
Music	17:00 - 17:45	Musical Theatre Workshop	Dr. Isaac D DROSCHA, Senior Lecturer Ms Mandy Lynn LIN PETTY	You will learn a brief song and dance routine based on the HKUST Musical.	English	45 mins	75



Interdisciplinary Programs Office



Experiential Workshop

Unit	Time	Event Program Name (As Shown on RSVP Form)	Speaker(s)	Details	Language	Duration	Participant Capacity
Environmental Management and Technology (EVMT)	16:30 - 17:45	Game Workshop: The Life Cycle of a T-shirt	Prof. Arthur LAU, Program Director	The workshop will give a taste on how environmental issue can be studied and analysed from multi-angles; and an interdisciplinary approach for potential solutions.	Cantonese	75 mins	50

Inspiring Faculty Sharing

Unit	Time	Event Program Name (As Shown on RSVP Form)	Speaker(s)	Details	Language	Duration	Participant Capacity
Dual Degree Program in Technology & Management (T&M DDP)	15:00 - 16:00	Get Ready For a Startup with T&M-DDP	Prof. Betty LIN, Associate Director and UG Coordinator of T&M-DDP	Are you passionate in innovation and entrepreneurship? Dual Degree Program in Technology & Management (T&M-DDP) Startup Taster Workshop provides you a unique opportunity to explore the process of developing viable business plans for emerging technology and business. Please come and join us to get yourself ready for a startup!	English	1 hour	45