

# INBOUND EXCHANGE STUDENTS TO SUTD FOR FALL & SPRING TERM INFORMATION SHEET

(Information correct as at 15 February 2017)

## ABOUT SUTD

The Singapore University of Technology and Design (SUTD) is Singapore's fourth autonomous university established in collaboration with MIT to advance knowledge and nurture technically grounded leaders and innovators to serve societal needs. SUTD offers a world-class design-centric education built upon an inter-disciplinary curriculum, multi-disciplinary research and unique cohort-based learning approach. We welcome students from partner universities to join us for a term of exchange and be part of this unique and dynamic culture and environment!

## ELIGIBILITY FOR EXCHANGE

- Students nominated by SUTD's partner universities are eligible to enjoy tuition fee waivers for their participation in exchanges at SUTD.
- Students need to ensure that they are capable of going through an academic term with subjects delivered in English.

## UNDERGRADUATE ACADEMIC CALENDAR

<b>Spring Term</b> End January to Early May (13 weeks inclusive of exams + 1 week break)	<b>Summer Term</b> Mid-May to Mid-August (13 weeks inclusive of exams + 1 week break)	<b>Fall Term</b> Mid-September to 3 <sup>rd</sup> week December (13 weeks inclusive of exams + 1 week break)
	Term 1	Term 2
Term 3		Term 4
Term 5		Term 6
Term 7	Term 8	

Please refer to [http://www.sutd.edu.sg/academic\\_calendar.aspx](http://www.sutd.edu.sg/academic_calendar.aspx) for more information

## PERIOD OF EXCHANGE

SUTD currently offers the Fall Term (September to December) and Spring Term (January to April) for study by exchange students from partner universities.

<b>Application Timeline</b>	<b>Fall Term</b>	<b>Spring Term</b>
Nomination By Home University	Mid-February	Early July
Application For Exchange at SUTD	Early to End March	Mid July to Mid-August
Offer of Exchange and Admission Package	Mid-June	Early November
Acceptance of Offer of Exchange	End June	Mid November

\* Dates may be subjected to change

## GRADING SYSTEM

SUTD uses a 5-point grading system for both Undergraduate (level UG) and Graduate (level G) degree programmes. The following grade notations and status codes are used:

Grade	Point	Remarks
A	5	Excellent performance demonstrating a superior understanding of the subject matter.
B	4	Good performance and good understanding of the subject matter.
C	3	Satisfactory performance and adequate understanding of the subject matter.
D	2	Minimally acceptable performance demonstrating some familiarity with the subject matter. However, students may not be adequately equipped to move on to more advanced subjects in the field without additional work.
F	0	Failed

*Note: Beginning in Term 4 (Pillar Years), A to F grades will appear on the transcripts of students, with D considered as the passing grade.*

## SUBJECT CREDIT SYSTEM

- 1 SUTD Subject Credit (SC) is equivalent to 1 hour of workload per week.
- The subject workload in terms of hours and SCs is represented by a series of 3 numbers. All of the 3 numbers added together represent the total SCs for the subject.
- Example: Subject Credit 5-0-7
  - The first number (5) represents the actual contact hours per week assigned for lectures/mini lectures and recitations/cohort-based learning.
  - The second number (0) represents the number of hours assigned to laboratory, design, or fieldwork per week.
  - The third number (7) refers to the number of hours per week a student is expected to spend on preparation.

## MINIMUM AND MAXIMUM NUMBER OF SUBJECTS PER TERM

- Exchange students are required to choose a Host Pillar, with **at least 75%** of their total subject credits from their Host Pillar of choice.
- As the allocation of subject(s) is subjected to availability and fulfilment of the subject(s)' pre-requisites, you may not be given your preferred choice of subjects to take during your exchange, hence you are required to select additional subjects in your order of preference when applying.
- Exchange students are eventually required to take a minimum of 24 subject credits (as required by Singapore Immigration in order to be issued with a Student Pass in Singapore) or a maximum of 48 subject credits in SUTD during your term of exchange.
- All subjects are taught in English.

## LIST OF AVAILABLE SUBJECTS

- Currently, only subjects offered by the Engineering Pillars - Engineering Product Development (EPD), Engineering Systems and Design (ESD), and Information Systems Technology and Design (ISTD) are open to exchange students.
- The subjects from the Architecture and Sustainable Design (ASD) Pillar are currently not offered to exchange students (except students from Zhejiang University).
- Please refer to [Annex A](#) for a list of available subjects offered in the Fall Term (September to December) and Spring Term (January to April). The list is subject to changes annually, and places in each subject might be limited.

## INTERNATIONAL UNDERGRADUATE RESEARCH OPPORTUNITIES PROGRAMME (IUROP)

Research is integral to education at SUTD and SUTD undergraduates are exposed to research opportunities as part of the university's curriculum. To foster a spirit of learning and inquiry as part of the university's culture, exchange students are given the opportunity to participate in research through the **International Undergraduate Research Opportunities Programme (IUROP)** during their exchange period in SUTD.

Through IUROP, students get the opportunity to work together with faculty on cutting edge research projects and participate in the different phases of standard research activity which include, developing research plans, writing proposals, conducting research, analysing data and presenting research results in oral and written form. The practical skills and knowledge gained can eventually be applied to careers after graduation or as graduate students. In short, the IUROP experience helps to prepare the undergraduate researcher for the challenges of tomorrow.

Students will commit no more than 12 hours per week during regular term and no more than 35 hours per week during vacation period. The exact number of hours depends on the project nature, students' progress, students' arrangement with project supervisor as well as students' own time management. Upon completion of your IUROP project, your supervisor will recommend whether a IUROP certificate of participation will be awarded to you.

## COST OF EXCHANGE

- **Student Pass Fees\*** (payable to the Immigration & Checkpoints Authority of Singapore)

No.	Items	Amount Payable (in SGD)
1	Processing Fee for Student Pass Application	\$30.00
2	Issuance Fee for Student Pass Collection	\$60.00
3	Multiple-Entry Visa Fee for Visa Required Nationals	\$30.00

- **Compulsory Miscellaneous Fees\* (CMF)** (payable to SUTD)

No.	Items	Amount Payable (in SGD)
1	Student Activities & Services (Student Council)	\$12.50
2	Health & Insurance <a href="http://www.mycg.com.sg/sutd">http://www.mycg.com.sg/sutd</a>	\$131.50
3	Academic Related	\$25.50
4	Sport Facilities	\$30.00
<b>Total</b>		<b>\$199.50</b>

\* Fees and rates are subjected to change

## ACCOMMODATION

- **On-Campus Accommodation at SUTD Hostel 6°**

Housing spaces at SUTD Hostel are limited and subject to availability. Application for SUTD Hostel will be made through SUTD Housing Portal and SUTD will inform you on the procedures via email when the portal is open for application. Please refer to <http://sutd.edu.sg/Campus-Life/Housing> for more information.

- **Off-Campus Accommodation**

Due to limited housing spaces in SUTD Hostel, it is highly advisable for exchange students to source for off-campus accommodation. SUTD will provide a list of off-campus accommodation options during application for exchange students to consider. Please refer to <http://sutd.edu.sg/Campus-Life/Housing/Off-campus-Accommodation> for more information.

## STUDENT INSURANCE AT SUTD

During your stay in SUTD (from Matriculation Day to end of Term), you will be covered by the SUTD Student Insurance Scheme (policy under AXA). Please refer to: <http://www.mycg.com.sg/sutd> (recommended to use Google Chrome for optimised viewing) for further details about your insurance such as insurance coverage, the list of AXA Panel GP Clinics you can visit if you feel unwell, and the procedures you need to complete if you require hospitalisation. Please make your own arrangement for travel insurance coverage should you intend to arrive in Singapore earlier than Matriculation Day or extend your stay in Singapore beyond the end of the Term.

## USEFUL WEBSITES

SUTD Webpage	<a href="http://www.sutd.edu.sg">http://www.sutd.edu.sg</a>
SUTD Global	<a href="http://www.sutd.edu.sg/Global">http://www.sutd.edu.sg/Global</a>
SUTD Academic Calendar	<a href="http://www.sutd.edu.sg/academic_calendar.aspx">http://www.sutd.edu.sg/academic_calendar.aspx</a>
Pillars Curriculum	<a href="http://www.sutd.edu.sg/Education/Unique-Academic-Structure">http://www.sutd.edu.sg/Education/Unique-Academic-Structure</a>
Architecture and Sustainable and Design Pillar	<a href="http://asd.sutd.edu.sg">http://asd.sutd.edu.sg</a>
Engineering Product Development Pillar	<a href="http://epd.sutd.edu.sg">http://epd.sutd.edu.sg</a>
Engineering Systems and Design Pillar	<a href="http://esd.sutd.edu.sg">http://esd.sutd.edu.sg</a>
Information Systems Technology and Design Pillar	<a href="http://istd.sutd.edu.sg">http://istd.sutd.edu.sg</a>
Humanities, Arts and Social Sciences Cluster	<a href="https://hass.sutd.edu.sg/">https://hass.sutd.edu.sg/</a>
International Undergraduate Research Opportunities Programme (iUROP)	<a href="http://www.sutd.edu.sg/urop.aspx">http://www.sutd.edu.sg/urop.aspx</a>
Undergraduate Admissions	<a href="http://ugadmissions.sutd.edu.sg/">http://ugadmissions.sutd.edu.sg/</a>
SUTD Housing	<a href="http://sutd.edu.sg/Campus-Life/Housing">http://sutd.edu.sg/Campus-Life/Housing</a>
SUTD Sports and Recreation Centre	<a href="http://www.sutd.edu.sg/Campus-Life/Sports-and-Recreation-Centre">http://www.sutd.edu.sg/Campus-Life/Sports-and-Recreation-Centre</a>
SUTD Library	<a href="http://library.sutd.edu.sg/sulb/index.html">http://library.sutd.edu.sg/sulb/index.html</a>
SUTD Health & Insurance	<a href="http://www.mycg.com.sg/sutd">http://www.mycg.com.sg/sutd</a>
About Singapore	<a href="http://www.sg">http://www.sg</a> <a href="http://visitors.sg/">http://visitors.sg/</a>
Singapore Tourism Board	<a href="http://www.stb.gov.sg">http://www.stb.gov.sg</a>
Immigration & Checkpoints Authority (ICA)	<a href="http://www.ica.gov.sg/">http://www.ica.gov.sg/</a>

**ANNEX A**

## LIST OF SUBJECTS OFFERED IN THE FALL TERM 2017 (SEPTEMBER TO DECEMBER 2017)

This list is taken with reference to subjects available in Fall Term 2017. The list is subjected to changes annually, and places in each subject might be limited.

### FALL TERM - ENGINEERING PRODUCT DEVELOPMENT (EPD)

EPD UG Subject Description: <https://epd.sutd.edu.sg/education/undergraduate/undergraduate-courses/>

UG / PhD	Pillar	Subject Code	Subject Title	Subject Credits	Subject Instructor	Term Offered	Subject Pre-requisites
UG	EPD	30.104	Dynamics	12	• Dario Poletti • David Braun	6	• 10.002 Physics I <u>and</u> • 10.004 Advanced Math II <u>and</u> • 30.101 Systems & Control
UG	EPD	30.105	Machine Element Design	12	• Soh Gim Song • Arief Budiman	6	• 30.007 Engineering Design & Projects Engineering
UG	EPD	30.106	Microelectronics Circuits & Devices	12	• Cheah Chin Wei • Yang Hui Ying	6	• 30.002 Circuits & Electronics
UG	EPD	30.108	Material Science	12	• Tan Mei Chee	6	• 10.003 Chemistry: From Atoms to Crystals <u>and</u> • 30.001 Structures & Materials
UG	EPD	30.109	Thermal Systems For Power & Environment	12	• Elica Kyoseva • Massimiliano Colla	6	• 10.002 Physics I <u>and</u> • 10.008 Engineering in the Physical World
UG	EPD	30.110	Digital Systems Laboratory	12	• Yuen Chau • Chen Jia Jia	6	• 30.002 Circuits & Electronics <u>and</u> • 10.009 The Digital World
UG	EPD	30.111	Entrepreneurship	12	• Luo Jianxi	6	• 03.007 Introduction to Design

## **FALL TERM - ENGINEERING SYSTEMS AND DESIGN (ESD)**

ESD UG Subject Description: <https://esd.sutd.edu.sg/academics/course-list/undergraduate-courses/>

ESD PhD Subject Description: <https://esd.sutd.edu.sg/academics/course-list/graduate-courses/>

UG / PhD	Pillar	Subject Code	Subject Title	Subject Credits	Subject Instructor	Term Offered	Subject Pre-requisites
UG	ESD	40.000	Data and Business Analytics	12	• Peter Jackson • Yiwei Chen	4	• 10.009 Digital World • Co-requisites: 40.001 Probability
UG	ESD	40.001	Probability	12	• Bikramjit Das (Week 1-6) • Xu Zibo (Week 8-13)	4	• 10.004 Advanced Math II
UG	ESD	40.002	Optimization	12	• Ahipasaoglu Selin Damla	4	• 10.004 Advanced Math II
UG	ESD	40.007	Decision Analysis	6	• Niyazi Taneri	6	• 40.001 Probability <u>or</u> • 01.001 Probability & Statistics
UG	ESD	40.008	Quality & Reliability (Week 8-13)	6	• Ying Xu	6	• 40.001 Probability <u>and</u> • 40.004 Statistics
UG	ESD	40.009	Simulation (Week 1-6)	6	• Bikramjit Das	6	• 40.004 Statistics and either • 40.005 Stochastic Modeling <u>or</u> • 01.001 Probability & Statistics
UG	ESD	40.010	Project Management (Week 8-13)	6	• Xu Yunjian	6	NIL
UG	ESD	40.240	Finance Theory	12	• Chen Jingnan	6	• 10.004 Advanced Math II <u>and</u> <u>either</u> • 40.001 Probability <u>or</u> • 01.001 Probability & Statistics
UG	ESD	40.260	Supply Chain Management	12	• Shrutivandana Sharma	6	• 40.003 Operations Management <u>and</u> • 40.004 Statistics
PhD	ESD	40.520	Stochastic Models	12	• TBC	Sep	• Exchange students must apply with their results for approval by the Graduate Committee.

## FALL TERM - INFORMATION SYSTEMS TECHNOLOGY AND DESIGN (ISTD)

ISTD UG Subject Description: <https://istd.sutd.edu.sg/undergraduate/course-schedule/>

ISTD PhD Subject Description: <https://istd.sutd.edu.sg/phd/phd-courses/>

UG / PhD	Pillar	Subject Code	Subject Title	Subject Credits	Subject Instructor	Term Offered	Subject Pre-requisites
UG	ISTD	50.001	Introduction to Information Systems & Programming	12	<ul style="list-style-type: none"> <li>• Ngai-Man Cheung</li> <li>• Jit Biswas</li> <li>• Yue Zhang</li> <li>• Oka Kurniawan</li> </ul>	4	<ul style="list-style-type: none"> <li>• Previous course in basic programming and basic computer / information systems</li> </ul>
UG	ISTD	50.002	Computation Structures	12	<ul style="list-style-type: none"> <li>• Yue Zhang</li> <li>• Oka Kurniawan</li> <li>• Jianying Zhou</li> </ul>	4	<ul style="list-style-type: none"> <li>• 10.009 The Digital World</li> </ul>
UG	ISTD	50.004	Introduction to Algorithms	12	<ul style="list-style-type: none"> <li>• Simon Lui</li> <li>• Gemma</li> </ul>	4	<ul style="list-style-type: none"> <li>• 10.009 The Digital World</li> </ul>
UG	ISTD	50.007	Machine Learning	12	<ul style="list-style-type: none"> <li>• Lin Shaowei</li> <li>• Lu Wei</li> </ul>	6	<ul style="list-style-type: none"> <li>• 50.001 Introduction to Information Systems &amp; Programming <u>and either</u></li> <li>• 50.004 Introduction to Algorithms <u>or</u></li> <li>• A working knowledge of programming in Python or Java and a strong foundation in probability and statistics, and optimization (topics such as dynamic programming)</li> </ul>
UG	ISTD	50.008	Database	12	<ul style="list-style-type: none"> <li>• Meihui Zhang</li> </ul>	6	<ul style="list-style-type: none"> <li>• 50.001 Introduction to Information Systems &amp; Programming <u>or</u></li> <li>• Strong programming background (e.g. mobile/web app development)</li> </ul>
UG	ISTD	50.012	Networks	12	<ul style="list-style-type: none"> <li>• Nils Ole Tippenhauer</li> </ul>	6	<ul style="list-style-type: none"> <li>• 50.005 Computer System Engineering</li> </ul>
PhD	ISTD	50.500	Analysis of Algorithms	12	<ul style="list-style-type: none"> <li>• Costas Courcoubetis</li> </ul>	Sep	<ul style="list-style-type: none"> <li>• Exchange students must apply with their results for approval by the Graduate Committee</li> </ul>
PhD	ISTD	50.510	Computer Networks <i>(Evening classes 6:30pm-9:30pm)</i>	12	<ul style="list-style-type: none"> <li>• David Yau</li> </ul>	Sep	
PhD	ISTD	50.570	Machine Learning <i>(Evening classes 6:30pm-9:30pm)</i>	12	<ul style="list-style-type: none"> <li>• Lu Wei</li> </ul>	Sep	
PhD	ISTD	50.574	Theory and Application of Software Security <i>(Evening classes 6:30pm-9:30pm)</i>	12	<ul style="list-style-type: none"> <li>• Martin Ochoa</li> </ul>	Sep	

## **FALL TERM - HUMANITIES ARTS AND SOCIAL SCIENCES (HASS)**

HASS Subject Description: <https://hass.sutd.edu.sg/education/undergraduate/ug-course-schedule/>

UG / PhD	Pillar	Subject Code	Subject Title	Subject Credits	Subject Instructor	Term Offered	Subject Pre-requisites
UG	HASS	02.102	The World Since 1400	12	• Pang Yang Hwei • Samson Lim	4 & 6	NIL
UG	HASS	02.105	Sages Through The Ages: Readings in Early Indian and Chinese Religion and Philosophy	12	• Alastair Gornall • Zhao Zhenxing	4 & 6	NIL
UG	HASS	02.110	The Chinese Lyrical Tradition: Arts, Literature and Landscape Design	12	• Zhao Zhenxing	4 & 6	NIL
UG	HASS	02.113	The Laboratory of the Mind	12	• Michael Reid	4 & 6	NIL
UG	HASS	02.114	The Multicultural Archipelago in History and Story	12	• J. Casey Hammond	4 & 6	NIL
UG	HASS	02.116	The Word and the World	12	• Nazry Bahrawi	4 & 6	NIL
UG	HASS	02.121	The Question of Being	12	• Paolo Di Leo	4 & 6	NIL
UG	HASS	02.123	Questioning Modernity in Europe and Asia	12	• J. Casey Hammond	4 & 6	NIL
UG	HASS	02.201	Digital Sociology	12	• Nilanjan Raghunath	4 & 6	NIL
UG	HASS	02.213	How Culture Works	12	• Emily Lin	4 & 6	NIL
UG	HASS	02.216	Human Behaviour, Technology and Design (Co-taught with SMU)	12	• TBC	4 & 6	NIL
UG	HASS	02.302	Business Culture and Entrepreneurship in China	12	• Jin Jun (ZJU)	4 & 6	NIL
UG	HASS	02.303	The Role of Technology and Design on Growth in China	12	• Li Xiangdong (ZJU)	4 & 6	NIL



## LIST OF SUBJECTS OFFERED IN THE SPRING TERM 2017 (JANUARY TO APRIL 2017)

This list is taken with reference to subjects available in Spring Term 2017. The list is subjected to changes annually, and places in each subject might be limited.

### SPRING TERM - ENGINEERING PRODUCT DEVELOPMENT (EPD)

EPD UG Subject Description: <https://epd.sutd.edu.sg/education/undergraduate/undergraduate-courses/>

UG / PhD	Pillar	Subject Code	Subject Title	Subject Credits	Subject Instructor	Term Offered	Subject Pre-requisites
UG	EPD	30.007	Engineering Design and Project Engineering	12	<ul style="list-style-type: none"> <li>Subburaj Karupppasamy</li> <li>Mohan Rajesh Elara</li> <li>Pablo Valdivia</li> </ul>	5	<ul style="list-style-type: none"> <li>03.007 Introduction to Design</li> <li>10.008 Engineering in the Physical World</li> <li>10.009 The Digital World</li> <li><b>Subject Co-Requisite:</b> 30.101 Systems &amp; Control <i>(Students who have not taken this subject 30.101 previously will be required to take the subject during exchange term, subjected to fulfillment of the subject pre-requisites 30.002 and 10.007)</i></li> </ul>
UG	EPD	30.101	Systems & Control	12	<ul style="list-style-type: none"> <li>Foong Shaohui</li> <li>Suranga David Braun</li> </ul>	5	<ul style="list-style-type: none"> <li>30.002 Circuits &amp; Electronics</li> <li>10.007 Modelling the Systems World</li> </ul>
UG	EPD	30.102	Electromagnetics & Applications	12	<ul style="list-style-type: none"> <li>Huang Shaoying</li> <li>Lee Chee Huei</li> </ul>	5	<ul style="list-style-type: none"> <li>10.001 Advanced Mathematics I</li> <li>10.002 Physics I</li> <li>10.004 Advanced Mathematics II</li> <li>10.005 Physics II</li> </ul>
UG	EPD	30.103	Fluid Mechanics	12	<ul style="list-style-type: none"> <li>Roland Bouffanais</li> </ul>	5	<ul style="list-style-type: none"> <li>10.002 Physics I</li> <li>10.004 Advanced Mathematics II</li> <li>03.007 Introduction to Design</li> <li>10.008 Engineering in the Physical World</li> </ul>
UG	EPD	30.113	Design & Fabrication of Microelectromechanical Systems	12	<ul style="list-style-type: none"> <li>Zhao Rong</li> </ul>	7	<ul style="list-style-type: none"> <li>10.008 Engineering in the Physical World <b>OR</b> 30.001 Structures &amp; Materials</li> </ul>
UG	EPD	30.114	Advanced Feedback & Control	12	<ul style="list-style-type: none"> <li>Foong Shaohui</li> </ul>	7	<ul style="list-style-type: none"> <li>30.101 Systems &amp; Control</li> </ul>

## **SPRING TERM - ENGINEERING SYSTEMS AND DESIGN (ESD)**

ESD UG Subject Description: <https://esd.sutd.edu.sg/academics/course-list/undergraduate-courses/>

UG / PhD	Pillar	Subject Code	Subject Title	Subject Credits	Subject Instructor	Term Offered	Subject Pre-requisites
UG	ESD	40.003	Operations Management	12	<ul style="list-style-type: none"> <li>• Shruti</li> <li>• Ying Xu</li> </ul>	5	<ul style="list-style-type: none"> <li>• 40.001 Probability <b>OR</b> 30.003 Probability and Statistics</li> <li>• 10.007 Modelling the Systems World <b>OR</b> 40.002 Optimization</li> </ul>
UG	ESD	40.004	Statistics	12	<ul style="list-style-type: none"> <li>• James Wan</li> </ul>	5	<ul style="list-style-type: none"> <li>• 40.001 Probability</li> </ul>
UG	ESD	40.005	Introduction to Stochastic Modeling (Half Term: Week 1-6)	6	<ul style="list-style-type: none"> <li>• Duan Lingjie</li> </ul>	5	<ul style="list-style-type: none"> <li>• 40.001 Probability <b>OR</b> 30.003 Probability and Statistics</li> </ul>
UG	ESD	40.006	Network Modeling (Half Term: Week 8-13)	6	<ul style="list-style-type: none"> <li>• Supratim Gosh</li> </ul>	5	<ul style="list-style-type: none"> <li>• 10.004 Advanced Mathematics II</li> </ul>
UG	ESD	40.242	Mathematical Finance	12	<ul style="list-style-type: none"> <li>• Chen Jingnan</li> </ul>	7	<ul style="list-style-type: none"> <li>• 40.001 Probability</li> <li>• 40.002 Optimization</li> <li>• 30.003 Probability and Statistics <b>OR</b> 40.004 Statistics</li> </ul>
UG	ESD	40.302	Advanced Topics in Optimization (Half Term: Week 1-6)	6	<ul style="list-style-type: none"> <li>• Ahipasaoglu Selin Damla</li> </ul>	7	<ul style="list-style-type: none"> <li>• 40.002 Optimization</li> </ul>
UG	ESD	40.305	Advanced Topics in Stochastic Modeling (Half Term: Week 8-13)	6	<ul style="list-style-type: none"> <li>• Xu Zibo</li> </ul>	7	<ul style="list-style-type: none"> <li>• 40.005 Introduction to Stochastic Modeling</li> </ul>
UG	ESD	40.230	Sustainable Engineering	12	<ul style="list-style-type: none"> <li>• Lynette Cheah</li> </ul>	7	NA
UG	ESD (TAE)	01.107	Urban Transportation	12	<ul style="list-style-type: none"> <li>• Lynette Cheah</li> </ul>	7	NA
UG	ESD	40.232	Water Resources Management	12	<ul style="list-style-type: none"> <li>• Stefano Galelli</li> </ul>	7	<ul style="list-style-type: none"> <li>• 40.001 Probability</li> <li>• 40.004 Statistics <b>OR</b> 30.003 Probability and Statistics</li> <li>• 40.002 Optimization</li> </ul>

## **SPRING TERM - INFORMATION SYSTEMS TECHNOLOGY AND DESIGN (ISTD)**

ISTD UG Subject Description: <https://istd.sutd.edu.sg/undergraduate/course-schedule/>

UG / PhD	Pillar	Subject Code	Subject Title	Subject Credits	Subject Instructor	Term Offered	Subject Pre-requisites
UG	ISTD	50.006	User Interface Design & Implementation	12	• Hyowon Lee	7	• 10.009 The Digital World
UG	ISTD	50.017	Graphics & Visualization	12	• Yeung Sai-Kit	7	<ul style="list-style-type: none"> <li>• 50.003 Elements of Software Construction <b>OR</b> knowledge of the following:               <ul style="list-style-type: none"> <li>○ C++: All assignments are in C/C++</li> <li>○ Calculus, Linear Algebra: Solving equations, derivatives, integral; vectors, matrices, basis, solving systems of equations.</li> </ul> </li> </ul>
UG	ISTD	50.020	Security	12	• Nils Ole Tippenhauer	7	<ul style="list-style-type: none"> <li>• 50.012 Networks</li> <li>• 50.005 Computer System Engineering</li> </ul>

## **SPRING TERM - HUMANITIES ARTS AND SOCIAL SCIENCES (HASS)**

HASS Subject Description: <https://hass.sutd.edu.sg/education/undergraduate/ug-course-schedule/>

UG / PhD	Pillar	Subject Code	Subject Title	Subject Credits	Subject Instructor	Term Offered	Subject Pre-requisites
UG	HASS	02.119	Introduction to Political Philosophy	12	• Christine Habbard	5 & 7	NA
UG	HASS	02.206	Ethics and Social Responsibility	12	• Prof Eugene Tan	5 & 7	NA
UG	HASS	02.207	Organizations and People	12	• Prof Gary Greguras	5 & 7	NA
UG	HASS	02.218	Introduction to Psychology	12	• Yow Wei Quin	5 & 7	NA
UG	HASS	02.219	Rice Cultures: Technology, Society, and Environment in Asia	12	• Lyle Fearnley	5 & 7	NA
UG	HASS	02.220	"How the Things People Make, Make People": Material Things in Social Life	12	• Gabriel Tusinski	5 & 7	NA
UG	HASS	02.221	Making Maps I: Introduction to Spatial Analysis, Data Visualisation and Map Design	12	• Ate Poorthuis	5 & 7	NA
UG	HASS	02.109	Ethics of Leadership	12	• Tara Marie Dankel	5 & 7	NA