

SUMMER PROGRAMME INFORMATION SHEET 2021

Updated as of Nov 2020

Dear Prospective Summer Students,

We welcome you to join us at one of the world's most beautiful campus for our exciting **GEM Trailblazer Summer Term programme** at NTU starting from June to July 2021.

Five tracks will be offered this summer:

Track 1: Language & Cultural Studies

Track 2: Entrepreneurship & Innovation

Track 3: Creative Design and Media

Track 4: Success in the Globalised Marketplace

Track 5: New Technologies, New World



Make friends from all around the world!

Ranked among the top 1% of universities worldwide, NTU places you in an academically stimulating environment that is both culturally and socially enriching. Our comprehensive and innovative approach towards education and research will help contribute to your future success and inspire you to realise your full potential as an entrepreneurial and technologically-savvy leader.

Located in Singapore, NTU is the perfect spot in the heart of a booming Asia-Pacific region to learn and explore the many cultures, languages and races that can be found on this cosmopolitan island.

While you soak up a summer of fascinating Asian cultural experiences as a student, you would have the opportunity to equip yourself with key entrepreneurial skills to venture into Asia, where more than 4.6 billion of the world's population lives.

Application for the summer programme is open to all full-time university students. We welcome you to join some of the brightest minds and talents from around the world in Singapore this summer.

Welcome to the start of a wonderful journey of learning and self-discovery!

Priscilla Phang
Assistant Director
Office of Global Education and Mobility
Nanyang Technological University

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PROGRAMME DATES AT A GLANCE

<p>Summer Academic Calendar</p>	<p>2-week programme: Wed 30 Jun 2021 to Sat 17 Jul 2021; Wed 14 Jul 2021 to Sat 31 Jul 2021</p> <p>4-week programme: Wed 30 Jun 2021 to Sat 31 Jul 2021</p> <p>6-week programme: Wed 16 Jun 2021 to Sat 31 Jul 2021</p>
<p>Summer Programme Tracks</p>	<p>Track 1: Language & Cultural Studies</p> <p>Track 2: Entrepreneurship & Innovation</p> <p>Track 3: Creative Design & Media</p> <p>Track 4: Success in the Globalised Marketplace</p> <p>Track 5: New Technologies, New World</p> <p>For further information on Summer tracks information: www.ntu.edu.sg/summerNTU or email: summerntu@ntu.edu.sg</p>

APPLICATION & NOMINATION

Partner Nomination & Student Application Deadlines	<p>Partner Nomination by 31 March 2021</p> <p>Student Application by 20 April 2021</p>
Eligibility	<p>Students may apply under an Exchange or Fee-paying scheme</p> <p>Exchange</p> <p>Students from any one of NTU's Exchange Partner Universities who have been nominated by their home university under an Exchange scheme, on a fee-waiver basis.</p> <p>Fee-paying</p> <p>Students from any one of NTU's Exchange Partner Universities who have not been nominated as an Exchange students are automatically eligible for a 60% tuition fee discount; OR Students from non-partner universities (<i>Universities without exchange agreements with NTU</i>)</p>
Language	All courses are taught in English
Study Level	Undergraduate level
Summer Course Load	<p>Minimum: 1 course (3 or 4 Academic Units)</p> <p>Maximum: 2 courses (up to 8 Academic Units)</p>
Credit Transfer	<p>All summer courses are credit bearing.</p> <p>All summer courses (including language courses) carry 3 or 4 Academic Units each and the equivalent of 39 or 52 contact hours respectively.</p>

APPLICATION & NOMINATION

<p>English Proficiency</p>	<p>Students nominated from their home universities are deemed to be able to cope with the curriculum conducted in English at NTU.</p> <p>Proof of English proficiency from students is required for some of the summer courses (refer to the course description on the requirement for English proficiency).</p> <p>Based on our requirements, please refer to the following acceptable qualifications for English proficiency:</p> <ul style="list-style-type: none"> • General Paper of the Singapore Cambridge GCE 'A' Level Examination (sat in 2007 onwards): A, B, C, D, E • General Paper of the Singapore Cambridge GCE 'A' Level Examination (sat in 2006 or earlier): A1, A2, B3, B4, C5, C6 • IELTS: A minimum of 6 for the Writing sub-test • TOEFL: A minimum of 570 (paper) or 90 (internet) or 237 (computer) • SAT1: A minimum of 600 for the Verbal section; or 7 for the Essay section • IB: A minimum of four (4) for Higher Level English or four (4) for Standard Level English • MUET: Band 6 and a minimum of 50 for writing • GEPT: High intermediate Stage 2 consisting of writing and speaking modules (applies to Taiwan universities only)
<p>Study Exchange Spots (for Partners' information)</p>	<p>One student who attend the Summer Programme would be considered as 0.5 spot of exchange. Some exceptions may apply.</p>
<p>Auditing Courses</p>	<p>Students are not allowed to audit lectures.</p>
<p>Nomination by Partner Universities</p>	<ol style="list-style-type: none"> 1. Exchange coordinator(s) of partner institutions are only required to email the completed nomination form to summerNTU@ntu.edu.sg. Please indicate your mailing address in the form for the delivery of transcripts after summer ends.

APPLICATION & NOMINATION

	<p>2. You can include both exchange and fee-paying students in the nomination form.</p> <p>3. This programme is open to all nationalities.</p>
<p>Student Online Application Process</p>	<p>Nominated / Fee-Paying students will receive the application link via email from NTU GEM Trailblazer Summer Team upon receiving the nominations from your home university.</p> <p>1. Mailing of original documents is NOT required.</p> <p><u>Supporting Documents Needed for Online Application</u></p> <ol style="list-style-type: none"> a. Latest official transcript in English (signed by the Registrar and should include the university's seal), reflecting all courses taken during the study period in your home university in PDF format (<600 kb) b. Clear, coloured passport-sized photo in JPEG format (<60kb; 400(W) x 514(H) pixels) c. Clear & coloured, scanned copy of passport information page (valid for at least 6 months from the date you are leaving for Singapore when applying in JPEG format (<200 kb) d. Upon successful submission of online application, students will receive an email acknowledgement of their submission. e. The result of your application will be made known to applicants via email by May or earlier. Successful applicants will be directed to the NTU Study Abroad Portal for registration. Students should verify that the courses stated in their Offer of Admission (available online) is correct before they accept the offer. f. Payment of programme fees is made online via credit card on the same Study Abroad Portal.

APPLICATION & NOMINATION

<p>Change of Courses upon Acceptance of Enrolment</p>	<p>Students are advised to select their summer courses very carefully before putting in their online application. They are to refer to the summer course information on our website or email to summerNTU@ntu.edu.sg for clarification prior to submitting their online application.</p> <p>The summer courses listed in Offer of Admission would be the final courses that you will read at NTU for the Summer Programme.</p> <p>NOTE: Please note that NO ADD-DROP of courses are allowed once student has accepted the online Offer of Admission.</p>
<p>Course Cancellation</p>	<p>A course may be cancelled if there are less than 10 students for the course. You will be notified by May.</p> <p>In the event of cancellation, you will be offered other courses to consider before the commencement of the programme. If you decide not to register for other available courses, you may be granted a refund of tuition fees paid for the course being cancelled.</p>

PROGRAMME SYLLABUS

Track 1: Language & Cultural Studies

Asia beckons. This track will introduce students to basic Chinese and Malay language skills, letting students discover the fascinating and intriguing lifestyles in Asia.

[1.1]

Course	Teaching Dates	No. of Academic Units	Name of Instructor
CF9001 Chinese Language and Cultural Studies	5 July to 30 July 2021	3	Ms Zhao Hua
Description			
<p>Part 1: Chinese Language Study (Beginners)</p> <p>This course is suitable for non-native speakers who wish to gain an insight into the Chinese Language. The course contents are designed to help students accumulate Chinese vocabulary and basic conversational skills for daily usage.</p> <p>At the beginners level, students will learn writing skills like basic strokes, character components and single-component characters. They can also expect to learn up to 260 Chinese characters, 40 grammatical points and 30 commonly-used sentences.</p> <p>Part 2: Chinese Cultural Studies</p> <p>The Chinese cultural studies course aims to expose students to the history and culture Overseas Chinese, arranging a mass lecture “The Chinese Communities in Southeast Asia” that includes a visit to the Chinese Heritage Centre, NTU, and also an excursion to the Peranakan Museum and Asian Civilizations Museum.</p>			
Learning Outcome			
<ol style="list-style-type: none"> 1. Introducing the Chinese Phonetic system (Hanyu Pinyin) and the Chinese writing system, which is fundamental to learning Chinese. 2. Learn how to apply the basic knowledge learnt in reading and pronouncing Chinese lexical terms. 3. Common Greetings <p>and more.</p>			
Assessment			
<ol style="list-style-type: none"> 1. Written Examination 2. Oral Test 3. Assignment 			

PROGRAMME SYLLABUS

[1.2]

Course	Teaching Dates	No. of Academic Units	Name of Instructor
LM9001 Malay Language	5 July to 30 July 2021	3	Che Raenahani
Description			
The course aims to provide students with competence in understanding and using basic Malay. In order to familiarize students with the target language, the requisite skills of listening, speaking, reading and writing will be taught, along with the rudiments of grammar. These are achieved through thematic and scenario-based learning which will equip students with the necessary vocabulary based on the prescribed themes.			
Learning Outcome			
<ol style="list-style-type: none"> 1. Identify, explain and discuss main ideas in reading and listening passages. 2. Deploy an active vocabulary related to the theme of greetings, family, daily routines, occupation and parts of the body in Malay. 3. Engage in a short discussion and conversation in Malay. and more.			
Assessment			
<ol style="list-style-type: none"> 1. Continual Assessment 			

PROGRAMME SYLLABUS

Track 2: Entrepreneurship and Innovation

Under the guidance of the Nanyang Technopreneurship Centre, students gain insight to what it really takes to be an entrepreneur. This track will hone students' entrepreneurship skills and competencies, sharpen their business acumen and build their stamina to grow businesses. The environment thrives with creativity as students learn from business leaders, entrepreneurs and academics.

[2.1]

Course	Teaching Dates	No. of Academic Units	Name of Instructor
ET9131 Venturing Into Entrepreneurship	5 July to 16 July 2021	3	Jason Ho
Description			
Learn about creativity, innovation and new venture creature in the field of entrepreneurship. Also, be also exposed to entrepreneurship marketing where you will learn how to select, develop and evaluate new products, set prices and make the most efficient use of public relations and publicity.			
Learning Outcome			
<ol style="list-style-type: none"> 1. Explain entrepreneurship and innovation and discuss its importance on economies, societies and marketplace. 2. Apply the process of idea generation and screening methods to differentiate between ideas and opportunities. 3. Explain the importance of a feasibility analysis and develop one to assess potential business ideas. and more.			
Assessment			
<ul style="list-style-type: none"> - Class participation - Team-based project - Presentation/ Examination 			

PROGRAMME SYLLABUS

[2.2]

Course	Teaching Dates	No. of Academic Units	Name of Instructor
ET9132 New Venture Financing	19 July to 30 July 2021	3	Frankie Lee
Description			
Learn basic accounting concepts, followed by financial concepts and tools relevant to entrepreneurs.			
Learning Outcome			
<ol style="list-style-type: none"> 1. Determine what are the suitable corporate structures and business entities to be registered in Singapore, ASEAN, China and the US. 2. Review of technology landscape vis-à-vis market size and expectations. 3. Prepare proper financial statements and projections. and more.			
Assessment			
<ul style="list-style-type: none"> - Class participation - Team-based project - Presentation/ Examination 			

PROGRAMME SYLLABUS

Track 3: Creative Design and Media

Through this series, it encourages students to come up with original creative works and design. Students will be able to explore various genres and find their voice through various writing, editing, painting and new media productions.

[3.1]

Course	Teaching Dates	No. of Academic Units	Name of Instructor
AAA18J Painting with Watercolors	5 July to 30 July 2021	3	David Chan Kian Wei
Description			
This course aims to highlight the beauty and ephemeral qualities of watercolour painting. Students will be progressively taught various techniques to achieve different results. There will be an emphasis on hands-on practice as well as keynotes on how to appreciate the visual qualities of watercolour paintings. Students will first be taught basic drawing and paintings skills, after which students are encouraged to take a more experimental and gestural approach to watercolour painting.			
Learning Outcome			
<ol style="list-style-type: none"> 1. Acquire a host of different watercolour painting skills. 2. Improve on observational skills and better sensitivity to identify colours. 3. Gain confidence and autonomy in one's artistic expression. and more.			
Assessment			
<ol style="list-style-type: none"> 1. Colour Studies 2. Studying the masters 3. Final Landscape 			

PROGRAMME SYLLABUS

[3.2]

Course	Teaching Dates	No. of Academic Units	Name of Instructor
(NEW!) AAA18K Communication Design	5 July to 30 July 2021	3	Mr Ng Yong Yi
Description			
This studio course introduces students to learn about communicating ideas and information through arrangement of visual elements in 2D through the use of space, type and image. Through new assignments every class, they will acquire basic graphic design skills and realise impactful and meaningful 2D design works.			
Learning Outcome			
<ol style="list-style-type: none"> 1. You will be able to carry out design based tasks such as page layouts, visual collaterals and posters utilising computer based software. 2. You will be able to create visual content using elements of graphic design and typography with an understanding of hierarchy and typographical formalism 3. You will make functional, meaningful and visually engaging compositions for your intended group of audience. and more.			
Assessment			
<ol style="list-style-type: none"> 1. Formative Studio Project 2. Summative Studio Project 			

PROGRAMME SYLLABUS

[3.3]

Course	Teaching Dates	No. of Academic Units	Name of Instructor
(NEW!) AAA28C Digital Media and Visual Arts: Still Imaging	5 July to 30 July 2021	3	Mr Lee Siew Weng
Description			
<p>This studio course introduces contemporary digital photography through the experience of technical, expressive and conceptual methods of digital image making. You will be exposed to camera handling techniques, composition skills, studio photography and experimental imaging. You will acquire working methods, visual research skills and knowledge necessary for the successful implementation of meaningful and aesthetic lens-based artwork.</p>			
Learning Outcome			
<ol style="list-style-type: none"> 1. Create a body of visually impactful photographic images through a methodical exploration of the medium. 2. Apply technical and aesthetic skills developed in the course to communicate your artistic intent. 3. Draw connections about how this medium is relatable to your practice. 			
Assessment			
<ol style="list-style-type: none"> 1. Formative Photo Task 2. Final Photo Project 3. Written reflection 			

PROGRAMME SYLLABUS

[3.4]

Course	Teaching Dates	No. of Academic Units	Name of Instructor
AAA28D Arts Across the Borders	5 July to 30 July 2021	3	Nicola Choo
Description			
<p>This course focuses on the discovery and understanding of the artistic heritage, psychogeography and socio-cultural significances of a specific part of Singapore. “Borders” in this sense may comprise the historic, contemporary, architectural, cultural, social, political, psychic and imaginary boundaries that define everyday life in the area. A considerable part of the course will be spent doing experiential work (drawing, maps, photography, video itself). Course work will involve comprising Situationist-inspired interventions that take as starting point the ways that this particular quarter and its inhabitants perform.</p>			
Learning Outcome			
<ol style="list-style-type: none"> 1. Gain knowledge about the artistic heritage of Singapore through discussions and practical investigations of the development of the visual arts in Singapore. 2. Develop skills to critically examine and reflect upon modern and contemporary changes in art practices and deepen their understanding of the connection between culture, society and history. 3. Develop artistic sensibilities to engage in experiential work (walks, investigations and mappings) to create personal and visual responses. 			
Assessment			
<ol style="list-style-type: none"> 1. Visual Journal 2. Final Project 			

PROGRAMME SYLLABUS

[3.5]

Course	Teaching Dates	No. of Academic Units	Name of Instructor
(NEW!) AAA28Q Interactive Art	5 July to 30 July 2021	3	Mr Lim Shengen
Description			
<p>This course will be structured around three components – studio work, the development of technical skills, and introduction to the broad field of new media / electronic and time-based arts.</p> <p>There are many types of digital and electronic art practices – with many influences. The course will cover a series of topics that have motivated media artists over the last 30 years, as well as historical roots in other “new” medias, such as photo, film, and radio. Art and design practices (whether they are visual, sonic, conceptual, formal, political, commercial) are rooted in close observation of the world. Observing the visual qualities of objects, how people behave, what something sounds like, what something feels like, what a text says, how power is articulated – whatever the focus may be, detailed attention and observation are key starting points. We will follow those observations into the digital realm to see how digital representation and distribution affect the making and reception of art, ideas, and relationships. There are no prerequisites for this course.</p>			
Learning Outcome			
<ol style="list-style-type: none"> 1. To make observations about visual images and information and to articulate responses verbally and 2. To learn new technical skills and creatively expand upon your current abilities. Be introduced at the use of several hardware devices (such VR, 360 cameras, etc) and software applications (for AR) 3. To produce digital projects for screen and print. To become confident in creating a clear, coherent and thoughtful body of work with the use of digital tool sets. <p>and more.</p>			
Assessment			
<ol style="list-style-type: none"> 1. Journal 2. Presentation 3. Final Project 			

PROGRAMME SYLLABUS

[3.6]

Course	Teaching Dates	No. of Academic Units	Name of Instructor
AAR23C Film Studies	5 July to 30 July 2021	3	Dr. Dennis Yeo
Description			
<p>This course aims to introduce film appreciation and analysis. As this course is offered by the English Language and Literature Academic Group, the focus of the course is on film as a construct of art and narrative, paying particular attention to aspects of film form, aesthetics and style. Due to the constraints of time, we will study primarily contemporary feature films from the year 2000.</p> <p>The course is divided into two parts. Part One introduces the four elements of film namely mise-en-scene, cinematography, editing and sound that provide the basic vocabulary of film studies. Part Two studies filmic texts as visual forms of story-telling and explores the issues of representation and spectatorship.</p>			
Learning Outcome			
<ol style="list-style-type: none"> 1. Identify key stylistic areas of film and apply this knowledge to the detailed analysis of filmic texts. 2. Develop an appreciation and understanding of the function of narrative in film. 3. Engage with broader theoretical and critical readings in order to produce a stronger reading of a movie. 			
Assessment			
<ol style="list-style-type: none"> 1. Assignment 2. Participation 			

PROGRAMME SYLLABUS

[3.7]

Course	Teaching Dates	No. of Academic Units	Name of Instructor
(NEW!) AAU08A Theatre Games: Engagement through Play	5 July to 30 July 2021	3	Ms Claire Jacqueline Sutherland
Description			
<p>This course examines a range of theatre games conventionally used in a participatory classroom to build specific skills and capabilities. Students will be introduced to theatre practitioners such as Augusto Boal, Viola Spolin, Clive Barker and Chris Johnston, who have developed theatre games for actor training as well as team-building. These theories, methods and practices will be used to engage participants in a range of reflective processes, critical dialogue and physical activities that promote stronger social-emotional learning opportunities, inter-personal and intrapersonal skills, as well as civic and social awareness through activities that enhance team-building, trust, confidence, collaboration and the extension of imagination. The principles of practice that underpin the use of theatre games will be explored and explicated in relation to non-traditional theatre contexts.</p> <p>The course will equip students with the necessary facilitation and planning skills crucial for the incorporation of theatre games in the development of programmes to engage an intended audience. Students will learn how to design a short programme using theatre games, in order to work creatively within a range of community settings and expectations. They will also be required to facilitate theatre games for this purpose as part of their assessment.</p>			
Learning Outcome			
<ol style="list-style-type: none"> 1. The ability to write a lesson plan for a targeted audience of students focusing on education surrounding a specific topic or people class e.g. attitudes to racism, treatment of blind people, bullying. 2. The ability to facilitate the same lesson plan through team teaching to class peers. 3. Students will have the opportunity to practice their facilitation skills during the course and so gain an awareness of what works and what to avoid. 			
Assessment			
<ol style="list-style-type: none"> 1. Participation 2. Preparation of lesson facilitation plan 3. Facilitation of lesson plan in a classroom setting 			

PROGRAMME SYLLABUS

[3.8]

Course	Teaching Dates	No. of Academic Units	Name of Instructor
HA2017 Foreign Policy Analysis	5 July to 30 July 2021	3	Dr. Ana Cristina D. Alves
Description			
<p>This course will familiarize the students with the key concepts and theories in foreign policy analysis and the complexity of factors influencing foreign policy decisions, from state and nonstate actors, domestic and international structures, to the variety of models, implementation strategies, instruments, drivers and challenges affecting foreign policy choices.</p> <p>The course will combine the discussion of the above topics with practical exercises involving the analysis of illustrative case studies (drawing from relevant historical and contemporary examples), promoting by these means students' engagement with current debates in the field while fostering at the same time their public presentation, argumentation and critical analysis skills.</p>			
Learning Outcome			
<ol style="list-style-type: none"> 1. Summarise the historical evolution of FPA as an autonomous field 2. Explain difference between IR and FPA and discuss in what ways IR approaches inform foreign policy analysis 3. Identify and discuss variables that shape foreign policy decision making and its implementation at the individual, domestic and international levels 			
Assessment			
<ol style="list-style-type: none"> 1. Written examination 2. Coursework 			

PROGRAMME SYLLABUS

To compete in today's marketplace, one has to possess many traits and skills from cultural intelligence to negotiation skills, strategic management and marketing communications. Students will have a range of business and humanities courses to choose from this track.

[4.1]

Course	Teaching Dates	No. of Academic Units	Name of Instructor
AB1601 Organisational Behaviour and Design	5 July to 30 July 2021	3	Dr Daniel Siew
Description			
<p>This course aims to prepare you for the work life and develop their abilities to lead and manage people.</p> <p>The course helps you to understand behaviour in organisations; how people perceive things, what shapes their attitudes and drives their behaviour, and how to motivate them to strive for both personal and organisational goals. Only then can leaders begin to develop human capital, to influence and inspire their people to achieve organisational excellence.</p> <p>This course is also designed to provide a good grounded understanding of behaviour in organisations. Through the science of OB, participants will acquire the body of knowledge to develop key managerial and leadership competencies required to interact and work effectively with superiors, peers and subordinates. The design of assignments and classroom activities also aims to help you link theories to practices.</p>			
Learning Outcome			
<ol style="list-style-type: none"> 1. Apply critical thinking to analyse diverse arguments and reconcile divergent viewpoints. 2. Apply design thinking to explore the complexity of a problem, generate novel ideas and test-drive proposed solutions. 3. Define and explain the theoretical frameworks and concepts of organisational behaviour. <p>and more.</p>			
Assessment			
<ol style="list-style-type: none"> 1. Individual assignment 2. Team assignment 3. Assessment 			

PROGRAMME SYLLABUS

[4.2]

Course	Teaching Dates	No. of Academic Units	Name of Instructor
AB0602 Communication Management Strategies	5 July to 30 July 2021	4	Ms Yang Mei Ling
Description			
<p>This course will prepare students for written and oral communication challenges in the rapidly evolving business environment. It will help students to present themselves confidently and professionally in the way they speak, write and participate in their chosen profession.</p> <p>Apart from discussing strategies in relational and persuasive oral communication, special emphasis will also be placed on how written messages can be crafted and presented in a concise, structured and effective manner. Students will get opportunities to hone your presentation skills through video-taped assignments, as well as receive personalised feedback on your performance. Students will also gain from practice in crafting messages for a range of business contexts, including letters/email and longer documents like reports and proposals.</p> <p>The course aims to teach students about the theoretical frameworks, strategies and skills to:</p> <ul style="list-style-type: none"> • Prepare and deliver impactful business presentations • Produce effective business writing and reports 			
Learning Outcome			
<ol style="list-style-type: none"> 1. Understand and critically analyse communication situations 2. Write coherent, concise and convincing messages 3. Create clear and focused presentations and deliver them with impact 			
Assessment			
<ol style="list-style-type: none"> 1. Written Assignment 2. Group Project Presentation 3. Slide Deck Report 4. Class Participation 			

PROGRAMME SYLLABUS

[4.3]

Course	Teaching Dates	No. of Academic Units	Name of Instructor
AB3601 Strategic Management	5 July to 30 July 2021	4	Dr Clive Choo
Description			
<p>The Strategic Management course focuses on identifying and understanding the sources of superior firm performance through a process of analyses and syntheses. This entails an understanding of theoretical concepts and frameworks that would be taught in the course. You will learn to analyse the external and internal environments of the firm, formulate and execute different types of strategies with the considerations of ethics and good corporate governance.</p> <p>Strategic issues are examined from the perspective of a chief executive or general manager who should focus on how s/he can formulate effective strategies and develop the necessary resources and capabilities to achieve sustainable competitive advantage in a highly volatile and competitive global environment.</p> <p><u>Pre-requisite:</u> Organisational Behaviour / Marketing</p>			
Learning Outcome			
<ol style="list-style-type: none"> 1. Analyze complex strategic issues in managing a global firm; 2. Synthesize information to recognize the external opportunities and threats as well as the internal strengths and weaknesses that impact a firm's competitive advantage, and 3. Evaluate by using conceptual frameworks whether a firm's business strategy would lead to achieving firm's vision and broad goals 			
Assessment			
<ol style="list-style-type: none"> 1. Class Participation 2. Written Assignment 3. Presentation 4. Executive Summary 5. Written Examination 			

PROGRAMME SYLLABUS

[4.4]

Course	Teaching Dates	No. of Academic Units	Name of Instructor
BC2406 Analytics I: Visual & Predictive Analytics	5 July to 30 July 2021	4	Mr Chew Chee Hua, Neumann
Description			
<p>Most organizations are data rich and information poor. The large volumes of data in an organization are “oilfields” rich in information content that are pending extraction with the right tools and models. Analytics involves the art of data exploration, visualization, communication and the science of analyzing large quantities of data in order to discover meaningful patterns and useful insights to support decision-making. The primary objective of this course is to introduce students to various techniques available to extract useful insights from the large volumes of data.</p> <p>At the end of the course, students will not only see the substantial opportunities that exist in real world, but also learn techniques that allow them to exploit these opportunities. This course focus on the use of open source R software, which is one of the key analytics software used in various industries and a critical skillset required in the job market for analytics and data science professionals.</p>			
Learning Outcome			
<ol style="list-style-type: none"> 1. Identify aspects of business problems that could be fruitfully solved by predictive techniques. 2. Apply selected predictive techniques to solve the business problem. 3. Explain the results of the selected predictive techniques in the context of the business problem. 			
Assessment			
<ol style="list-style-type: none"> 1. Class Participation 2. Presentation 3. Assignment 4. Project 5. Computer Based Assessment 			

PROGRAMME SYLLABUS

[4.5]

Course	Teaching Dates	No. of Academic Units	Name of Instructor
BM2506 Digital Marketing - Connecting with Customers In Today's World	5 July to 30 July 2021	4	Dr Wong King Yin
Description			
<p>Digital technologies are capturing the imagination of people worldwide. Businesses, including the marketing discipline, are slow to capitalize on the potential gains afforded by these technologies. Specifically, misconceptions abound on what marketing through digital technologies, like social media, entails.</p> <p>This course will provide an overview of conducting marketing through digital media and explore the consequences of deploying these. Marketing will be addressed through digital media starting with fundamentals of digital marketing and strategies for its management. Issues in implementing a digital marketing initiative will be reviewed. Social media marketing will be highlighted due to its current prominence. The course will sport trends and highlight opportunities for those wishing to enter this field. Students will be provided with training and hands-on experience.</p>			
Learning Outcome			
<ol style="list-style-type: none"> 1. Use selected digital marketing tools in real settings. 2. Analyse digital marketing issues by using the relevant concepts, frameworks, and principles. 3. Evaluate digital marketing solutions. 			
Assessment			
<ol style="list-style-type: none"> 1. Class Participation 2. Assignment 3. Project 			

PROGRAMME SYLLABUS

[4.6]

Course	Teaching Dates	No. of Academic Units	Name of Instructor
BU8101 Accounting: A User's Perspective	21 June to 30 July 2021 (6-week course)	3	-
Description			
<p>This is a basic course in financial and managerial accounting meant for non-accounting and non-business students. It exposes students to the environment of accounting and its role in providing useful information for decision making by various stakeholders of business organizations. By the end of the course, students should be able to appreciate the role, scope and value of information for managing business organizations towards achieving their goals.</p> <p>Students will learn fundamental concepts and techniques in financial and managerial accounting, through solving business problems. In this course, students are treated to an understanding of a broad range of the underlying accounting concepts without the need to be involved in too much detail associated with the processes. Whilst non-accounting and non-business students need not have to prepare comprehensive financial statements, it would be beneficial for them to be able to understand, interpret, analyse and use them.</p>			
Learning Outcome			
-			
Assessment			
-			

PROGRAMME SYLLABUS

[4.7]

Course	Teaching Dates	No. of Academic Units	Name of Instructor
BU8201 Business Finance	21 June to 30 July 2021 (6-week course)	3	-
Description			
<p>This course provides non-business and non-accounting students with a broad understanding of the principles and practice of Business Finance/Financial Management. By the end of this course, students would have acquired sufficient finance knowledge to understand and appreciate how various financial decisions can have significant impact on the Profit/Loss and value of firms. They would also be familiar with pricing of stocks and bonds.</p> <p>This is a basic course in finance with emphasis on the major financial decisions made by companies and the valuation of investments made by them. The course starts by examining the various forms of businesses and the importance of interest rates. Time value of money, and the linkage between risk and return, lays the foundation for evaluating the price of bonds and stocks. Students will learn and apply principles of capital budgeting (calculating the profitability of various projects and deciding which one to proceed) and capital structure (financing approved projects by issuing shares or bonds, or using retained earnings). The course concludes with the evaluation of whether a company should use extra cash to pay dividends or repurchase its own shares.</p>			
Learning Outcome			
-			
Assessment			
-			

PROGRAMME SYLLABUS

[4.8]

Course	Teaching Dates	No. of Academic Units	Name of Instructor
BU8501 Marketing for the 21st Century	21 June to 30 July 2021 (6-week course)	3	-
Description			
<p>This course is designed for students who have chosen to specialise in disciplines other than business. This course will discuss the basic principles of marketing with a focus on its practice and how this understanding could potentially enhance the students' future performance in their chosen field.</p> <p>A hands-on approach is expected of students and activities have been incorporated to encourage observation and enhance analytical ability. The course will require students to analyse businesses, lead discussions and present analysis and recommendations on selected organisations.</p>			
Learning Outcome			
-			
Assessment			
-			

PROGRAMME SYLLABUS

[4.9]

Course	Teaching Dates	No. of Academic Units	Name of Instructor
BU8542 Social Marketing: Making This World a Better Place	5 July to 30 July 2021	3	
Description			
<p>Social marketing is the use of business marketing concepts and techniques to change behaviour for the betterment of society. The course is designed for students concerned about social issues and passionate about making a difference. It exposes students to a myriad of social problems plaguing society and acquaints them with marketing concepts, tools and strategies to effect change. Students will work in teams to develop a social marketing campaign to address a social problem.</p>			
Learning Outcome			
<ol style="list-style-type: none"> 1. Identify and classify social problems that are inherent in modern and modernising societies. 2. Select social problems that can be resolved by employing social marketing concepts, models and techniques. 3. Develop effective social marketing plans using the 10-step strategic marketing planning process framework. <p>and more.</p>			
Assessment			
<ol style="list-style-type: none"> 1. Quiz 2. Social Marketing Plan 3. Class Participation 			

PROGRAMME SYLLABUS

[4.10]

Course	Teaching Dates	No. of Academic Units	Name of Instructor
BU8544 Marketing Health: Consumers' Pursuit of Wellness	5 July to 30 July 2021	3	Dr Wong King Yin
Description			
<p>The health, beauty, and wellness industry is predicted to have a strong growth in the coming years. With the disposable income and life expectancy increasing, many consumers are willing to spend considerable amount of income on seeking and keeping health and beauty. Healthy lifestyle has become a global trend with many health-conscious followers. With the growing ageing population around the world, high quality healthcare services that provides patients a pleasant experience are in great demand. This course will provide an overview of conducting marketing in three sectors of the growing health industry:</p> <ol style="list-style-type: none"> 1. Consumer health and beauty products/services (e.g. healthy foods, gym membership, sports apparel, slimming treatment services); 2. Healthcare services (e.g. services in hospitals, clinics, senior-living communities, pharmacies); and 3. Health and wellness tourism (e.g. travel for medical exam, medical spa, spiritual experiences, mind-body connection). 			
Learning Outcome			
<ol style="list-style-type: none"> 1. Evaluate ethical issues in the health marketing context with sound reasoning. 2. Develop a comprehensive marketing strategy for product/service related to health. 3. Propose a wellness site development. 			
Assessment			
<ol style="list-style-type: none"> 1. Class Contribution 2. Assignment 3. Online Test 4. Project 			

PROGRAMME SYLLABUS

[4.11]

Course	Teaching Dates	No. of Academic Units	Name of Instructor
BU8641 Cultural Intelligence: How to be an Explorer of the World	5 July to 30 July 2021	3	Dr Catherine Peyrols Wu
Description			
<p>Cultural Intelligence is the capability to function effectively across national, ethnic and organisational cultures. IQ and EQ are no longer enough. Culture intelligence is becoming a critical predator for success in the borderless world of the 21st century.</p> <p>This course will provide you with a conceptual framework for cultural intelligence, as well as a set of tools to navigate and explore the world.</p>			
Learning Outcome			
<ol style="list-style-type: none"> 1. Build the confidence to engage in intercultural interactions through curious enquiries and curiosity conversations inside and outside of class. 2. Detect fundamental cultural differences during intercultural situations and explain how these differences affect intercultural interactions based on existing cultural frameworks and theories of intercultural interactions. 3. Understand your personal values, beliefs, strengths and weaknesses in managing intercultural interactions through self-awareness surveys and peer feedback. 			
Assessment			
<ol style="list-style-type: none"> 1. Project 2. Teamwork 3. Assignments 4. Tests 			

PROGRAMME SYLLABUS

[4.12]

Course	Teaching Dates	No. of Academic Units	Name of Instructor
BU8642 Leadership in the 21st Century	5 July to 30 July 2021	3	Dr Stewart L. Arnold
Description			
<p>This course aims to facilitate the learning of theoretical knowledge and practical skills (e.g. coaching, teambuilding, goal-setting, and conduct effective meetings).</p> <p>This course aims to educate students on the leadership domain and unmask the essential skills a leader would require to be competent especially in the 21st century. A mixture of lectures, case studies, class activities, experiential exercises and assessment tools will be used in this course to facilitate students' understanding of the leadership domain and prepare them to embark on their leadership journey in the 21st century.</p>			
Learning Outcome			
<ol style="list-style-type: none"> 1. Identify and classify social problems that are inherent in modern and modernising societies. 2. Select social problems that can be resolved by employing social marketing concepts, models and techniques. 3. Develop effective social marketing plans using the 10-step strategic marketing planning process framework. 			
Assessment			
<ol style="list-style-type: none"> 1. Quiz 2. Social Marketing Plan 3. Class Participation 			

PROGRAMME SYLLABUS

[4.13]

Course	Teaching Dates	No. of Academic Units	Name of Instructor
CS2400 Foundation of Information Analytics	5 July to 30 July 2021	3	Dr Lee Chu Keong
Description			
<p>Today, many organisations generate and collect unimaginable quantities of data of all types. However, merely collecting lots of data is pointless. The critical step is to analyse the data so that it can be transformed into information and action.</p> <p>An important tool that enables this transformation to take place is statistics. This is the subject matter of this course. Statistics will be presented in a mathematically friendly and non-threatening manner. The course emphasizes conceptual understanding and practical application of the material, and not on exact keystrokes needed to accomplish specific statistical tests.</p>			
Learning Outcome			
<ol style="list-style-type: none"> 1. To sensitise you to the fact that data is all around us 2. To start you thinking about the opportunities for transforming data into action 3. To lay the statistical foundations for data analytics so that you can transform the data into actionable information. 			
Assessment			
<ol style="list-style-type: none"> 1. Assignment 2. Presentation 3. Test 			

PROGRAMME SYLLABUS

Track 5: New Technologies, New World

Get tech-savvy with this track; students will be able to dip into the world of 3D printing, bioprinting and their applications in the real world; with exciting courses on artificial intelligence and data mining being added recently.

[5.1]

Course	Teaching Dates	No. of Academic Units	Name of Instructor
(NEW!) CZ2004 Human Computer Interaction	5 July to 30 July 2021	3	Dr Owen Noel Newton Fernando
Description			
<p>This course aims to provide an introduction to human-computer interaction, with an overarching goal of inculcating into you the habit of adopting a user-centric perspective on usability when designing, evaluating and innovating new user interfaces. More specifically, the objectives are to get you to: (a) appreciate and understand the significance of considering usability issues in interface development, including user requirements, measurements and various usability tests; (b) acquire vocabulary to frame and articulate HCI issues and considerations for different computing applications; (c) learn first principles in user interface design and develop basic ability to apply design considerations to both current and future interface modalities; (d) obtain a perspective of how HCI needs to be aligned with human thought processes and physical abilities, and (e) be aware of the large range of user interfaces in society today, and appreciate how HCI design is applied in various sectors of the computing industry.</p>			
Learning Outcome			
<ol style="list-style-type: none"> 1. Appreciate and understand the significance of considering usability issues in interface development, including user requirements, measurements and various usability tests 2. Acquire vocabulary to frame and articulate HCI issues and considerations for different computing applications 3. Learn first principles in user interface design and develop basic ability to apply design considerations to both current and future interface modalities 			
Assessment			
<ol style="list-style-type: none"> 1. Final Examination 2. Lo-fi prototype 3. Usability Evaluation report 4. Hi-fi prototype 			

PROGRAMME SYLLABUS

[5.2]

[5.2]

Course	Teaching Dates	No. of Academic Units	Name of Instructor
EE4483 Artificial Intelligence and Data Mining	5 July to 30 July 2021	3	Mr Tan Yap Peng, MsChen Lihui, Mr Wen Bihan
Description			
<p>The course is designed to introduce both:</p> <ol style="list-style-type: none"> 1. The traditional approach to machine learning using symbolic representations and manipulations, i.e., knowledge representations and problem solving techniques, and 2. Techniques and application of machine learning techniques to data mining. <p>Upon completion of this course, students will be familiar with several powerful search techniques for automatically solving complex problems. Student will also have sufficient expertise in both the theory of machine learning and its application to data mining, so as to use these powerful techniques in a wide range of industrial contexts, for example, bioinformatics, electronic commerce, and finance.</p>			
Learning Outcome			
-			
Assessment			
<ol style="list-style-type: none"> 1. Continuous Assessment 2. Examination 			

PROGRAMME SYLLABUS

[5.3]

Course	Teaching Dates	No. of Academic Units	Name of Instructor
EE8084 Cyber Security	5 July to 30 July 2021	3	Chan Chee Keong
Description			
<p>The course aims to provide students with basic appreciation and understanding of the underlying security issues and implications of the use of various networked systems and electronic devices in the modern cyber-society from a user perspective. The course will:</p> <ul style="list-style-type: none"> • Provide overview of information systems and devices in a global network environment, threats to information systems and devices, security models, and concepts for secrecy, integrity and availability. • Explore other topics of security concerns. <p>Evaluation of secure information systems, security requirements analysis, security management policies, security trends and emerging technologies.</p>			
Learning Outcome			
<ol style="list-style-type: none"> 1. Students will be familiar with several powerful search techniques for automatically solving complex problems. 2. Student will also have sufficient expertise in both the theory of machine learning and its application to data mining, so as to use these powerful techniques in a wide range of industrial contexts. 			
Assessment			
<ol style="list-style-type: none"> 1. Continuous Assessment 2. Examination 			

PROGRAMME SYLLABUS

[5.4]

Course	Teaching Dates	No. of Academic Units	Name of Instructor
MA9030 Bioprinting: Principles and Applications	5 July to 30 July 2021	3	Associate Professor Yeong Wai Yee
Description			
<p>This course aims to provide a general understanding of Bioprinting - a multidisciplinary technology that merges the field of cell culture, biomaterials science and mechanical engineering. This is a new manufacturing paradigm that has huge potential impact in the development of advanced biological tissue models and medical therapeutic products.</p> <p>The course will:</p> <ul style="list-style-type: none"> • Introduce tissue engineering and scaffolds for tissue engineering. • Explain various bioprinting processes and the materials used . • Teach about cell sources and 3D cell culture techniques. <p>Other topics covered includes computational design and simulation in bioprinting. Students will also attend a workshop on bioprinting.</p>			
Learning Outcome			
<ol style="list-style-type: none"> 1. Gain overall understanding of the multidisciplinary nature of bioprinting and its potential. 2. Have fundamental knowledge of the biological building blocks of bioprinting such as cell and biomaterials. 3. Learn various fabrication techniques of scaffolds via additive manufacturing; understand the strengths and shortcomings of each technique. <p>and more.</p>			
Assessment			
<ol style="list-style-type: none"> 1. Continuous Assessment 2. Examination 			

PROGRAMME SYLLABUS

[5.5]

Course	Teaching Dates	No. of Academic Units	Name of Instructor
MA9031 3D Printing and Additive Manufacturing	5 July to 30 July 2021	3	Associate Professor Yeong Wai Yee
Description			
<p>This course will begin with an introduction and elaboration on the importance of 3D printing and a description of the process chain. It aims to:</p> <ul style="list-style-type: none"> • Provide a general understanding of Additive Manufacturing, or 3D Printing as it is more commonly known. • Equip students with all the 3D printing systems and technologies, their pros and cons. • Cover the file format used in 3D printers. • Cover a comprehensive range of applications and case studies <p>Describe the benching, growth and trends of the technology.</p>			
Learning Outcome			
<ol style="list-style-type: none"> 1. Understand the motivation behind 3D Printing or Additive Manufacturing, basic concepts and process chain. 2. Compare the strengths and limitations of the various techniques of 3DP or AM. 3. Undergo a workshop of 10 different 3D printers. <p>and more.</p>			
Assessment			
<ol style="list-style-type: none"> 1. Continuous Assessment 2. Examination 			

PROGRAMME FEES

Below is a schedule of programme fees.

Breakdown of Fees Payable	Exchange Students from partner universities	Fee-paying students from partner universities
Tuition Fee (3 or 4 AU course)	Waived for up to 2 courses (3 or 4 AU course)	SGD 1,110 (~ USD 820)
Registration Fee (one-time charge)	SGD 150 (~ USD 110)	SGD 150 (~ USD 110)
Administrative Fee (one-time charge)	SGD 900 (~ USD 670)	SGD 900 (~ USD 670)

Total Programme Fees

Total programme fee for One course (3 or 4 AU each)	SGD 1,050 (~ USD 780)	SGD 2,160 (~ USD 1,600)
Total programme fee for Two courses (3 or 4 AU each)	SGD 1,050 (~ USD 780)	SGD 3,270 (~ USD 2,420)

- Fees are charged in SGD but translated to USD for the purpose of comparison only
- On-campus accommodation for a 4-week programme is approximately SGD930 (~ USD 690)
- Students from NTU Partner Universities will receive an upfront discount of 60% on tuition fees

PROGRAMME FEES INFORMATION

Fees & Other Expenses *

1. Programme fees include tuition, registration and administrative fees only. It **does not include** airfare and airport taxes, local transportation costs, travel insurance, visas, meals, personal expenses, and on-campus accommodation costs.
2. Students from NTU partner universities who are nominated under an Exchange scheme are only required to pay tuition fees to their home institutions. They are still required to pay for registration and administrative fees to NTU.
3. Administrative fees include the use of non-academic or non-obligatory facilities, services and functions at NTU. It also covers campus orientation, cultural & social activities, miscellaneous university fees, and mandatory Group Hospitalization and Surgical Insurance (GHSI) for international students.
4. **Programme fees must be paid within 7 days upon acceptance of the Letter of Enrolment from NTU.** The programme fee is payable online via credit card.

**All fees quoted are exclusive of 7% Goods and Services Tax (GST).*

ON-CAMPUS ACCOMMODATION

<p>On-Campus Accommodation</p>	<p>Twin-sharing accommodation on campus is guaranteed for all incoming GEM Trailblazer Summer students in one of our 24 Halls of Residence in NTU. Students will share a room with a roommate of the same gender, which will be allocated randomly. Students are required to stay on-campus throughout the duration of your programme.</p> <p>While there are no meal plans and no fully equipped kitchen at the hall for students to cook their meals, students can purchase meals at any of the Hall of Residence canteens, convenience stores or at the food outlets located within NTU. Refer to this listing for places to eat around campus.</p>									
<p>Accommodation Cost</p>	<table border="1"> <thead> <tr> <th data-bbox="507 913 997 1010">Duration of Summer Programme</th> <th data-bbox="1005 913 1449 1010">Twin-Sharing (SGD)</th> </tr> </thead> <tbody> <tr> <td data-bbox="507 1021 997 1070">6 weeks</td> <td data-bbox="1005 1021 1449 1070">\$ 1,350</td> </tr> <tr> <td data-bbox="507 1081 997 1131">4 weeks</td> <td data-bbox="1005 1081 1449 1131">\$ 930</td> </tr> <tr> <td data-bbox="507 1142 997 1200">2 weeks</td> <td data-bbox="1005 1142 1449 1200">\$ 510</td> </tr> </tbody> </table>		Duration of Summer Programme	Twin-Sharing (SGD)	6 weeks	\$ 1,350	4 weeks	\$ 930	2 weeks	\$ 510
Duration of Summer Programme	Twin-Sharing (SGD)									
6 weeks	\$ 1,350									
4 weeks	\$ 930									
2 weeks	\$ 510									
<p>Room Amenities</p>	<p>Rooms are furnished with a bed, mattress, study table, chair, wardrobe, bookshelf and soft board (to pin notes, etc). Each room is fitted with window coverings such as venetian blinds or curtains, lighting and a fan.</p> <p>There are phone jacks and Ethernet connections in each room. You have to bring or buy your own LAN cable for wired LAN connection in the rooms. WIFI is available at the common areas in the halls of residence. Other fittings may be provided and these vary from hall to hall.</p> <p>NOTE: Bed-linen, blankets and pillows will NOT be provided. Students have to purchase their own bed-linen, pillows and blankets when they arrive in NTU. Refer to this suggested packing list.</p>									
<p>Suggested personal items to bring or buy</p>	<ul style="list-style-type: none"> • Shower tote bucket • Toiletries, shower shoes • Towels, washcloths, detergent 	<ul style="list-style-type: none"> • Laptop, internet Cable • Single-size bed sheets/linen, blanket, pillow, pillow cases 								

NTU ACADEMIC INFORMATION

Check-in and Check-out dates at NTU's Halls of Residence	Check-in date		Check-out date	
	2-week programme: 30 Jun / 14 July 2021		2-week programme: 17 July / 31 July 2021	
	4-week programme: 31 Jun 2021		4-week programme: 31 July 2021	
	6-week programme: 16 Jun 2021		6-week programme: 31 July 2021	
Operating Hours of the Halls of Residence Administrative Office	<p>Mondays - Thursdays: 9:00 am - 1:00 pm, 1:45 pm - 4:00 pm</p> <p>Fridays: 9:00 am - 1:00 pm, 1:45 pm - 4:00pm</p> <p>Saturdays, Sundays & Public Holidays: Closed</p> <p>Students arriving after operating office hours are to seek alternative accommodation on the night of their arrival until the Hall office opens the next day.</p>			
Period of stay for on-campus accommodation	<p>Period of stay in the hostel is determined by the approved period of programme as stipulated on the Letter of Enrolment and Acceptance issued by NTU.</p>			



NTU Hall of Residence



Hall Surroundings



Hall of Residence Canteen



Twin-sharing rooms

NTU ACADEMIC INFORMATION

<p>NTU Academic Unit System</p>	<p>NTU's courses are assigned credits based on the Academic Unit (AU) system.</p> <p>For more information on the university AU system, please refer to the link.</p> <p>For the GEM Trailblazer Summer Programme, the number of academic units are as follows:</p> <p>Track 1: Language & Cultural Studies (3 AUs per course)</p> <p>Track 2: Entrepreneurship and Innovation (3 AUs per course)</p> <p>Track 3: Creative Media and Design (3 AUs per course)</p> <p>Track 4: Success in the Globalised Marketplace (3 or 4 AUs per course)</p> <p>Track 5: New World, New Technologies (3 AUs per course)</p>																								
<p>Grading System</p>	<p>NTU uses the Grade Point Average (GPA) system in awarding grades.</p> <table border="1" data-bbox="363 1106 1433 1688"> <thead> <tr> <th>Letter-Grade</th> <th>Grade Point</th> </tr> </thead> <tbody> <tr> <td>A+</td> <td>5.0</td> </tr> <tr> <td>A</td> <td>5.0</td> </tr> <tr> <td>A-</td> <td>4.5</td> </tr> <tr> <td>B+</td> <td>4.0</td> </tr> <tr> <td>B</td> <td>3.5</td> </tr> <tr> <td>B-</td> <td>3.0</td> </tr> <tr> <td>C+</td> <td>2.5</td> </tr> <tr> <td>C</td> <td>2.0</td> </tr> <tr> <td>D+</td> <td>1.5</td> </tr> <tr> <td>D</td> <td>1.0</td> </tr> <tr> <td>F</td> <td>0.0</td> </tr> </tbody> </table>	Letter-Grade	Grade Point	A+	5.0	A	5.0	A-	4.5	B+	4.0	B	3.5	B-	3.0	C+	2.5	C	2.0	D+	1.5	D	1.0	F	0.0
Letter-Grade	Grade Point																								
A+	5.0																								
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C+	2.5																								
C	2.0																								
D+	1.5																								
D	1.0																								
F	0.0																								
<p>Academic Transcripts Delivery</p>	<p>The original copy of the GEM Trailblazer Summer student's academic transcript will be mailed directly to the Home University after the completion of the summer programme within two (2) months from the date of release of examination results by NTU.</p>																								

ENTRY REQUIREMENTS

<p>Student Pass</p>	<p>All international students admitted in the summer programme are required to apply for a Student’s Pass, unless they have selected the 2-week programme (which has only 3 Academic Units). Instructions for applying a Student Pass will be provided in the Offer of Admission once the applicant has been successful.</p> <p>Upon acceptance of the offer of admission, students will be directed to apply for the In-Principle Approval (IPA) letter that will enable all international students to enter Singapore and obtain their student pass once they are in Singapore.</p>
<p>Entry Visa</p>	<p>Students registered for the 2-week programme may require an entry visa to enter Singapore. They can check against this link on Singapore’s Immigration and Checkpoints Authority (ICA) for the list of countries that require an Entry Visa. If required, students should start applying at the above website at least 2-4 weeks before their arrival.</p>

NOTE: To ensure that students have the required visa entry requirements, students are advised to arrange for their flights only after the approval of student pass application.

OTHER USEFUL INFORMATION

<p>Approximate Living Costs</p>	<p>The cost of living will depend on your lifestyle.</p> <p>On average, students should budget for an estimated amount of SGD 1,000 - 1,500 per summer course for basic needs such as food, transportation and some personal expenses. This amount does not include personal holiday travels, entertainment and other incidentals.</p>
<p>Group Hospitalisation & Surgical Insurance</p>	<p>Falling ill or being hospitalized in Singapore can place an unexpected financial burden on international students, who are not entitled to medical subsidies that Singapore citizens enjoy. Therefore, a compulsory NTU Group Hospitalization & Surgical Insurance (GHSI) cover is included in the summer programme fees for your peace of mind while studying in Singapore.</p> <p>Besides providing island-wide outpatient medical coverage, the GHSI allows you to obtain a Letter of Guarantee to waive the requirement to put up any monetary deposits should you be admitted to a government/restructured hospital in Singapore.</p>
<p>On-Campus Health Care</p>	<p>Medical and counselling services are available on campus to cater to your health and wellness needs.</p> <p>There are also clinics near campus should you feel unwell after office hours. You may refer to the Group Hospitalisation and Surgical Insurance to find out what is covered under the scheme.</p>
<p>Medical Declaration</p>	<p>It is mandatory for all incoming students to highlight any past or present medical conditions in their online application.</p> <p>This information is for the purpose of the student's well-being, such that relevant support may be rendered to ensure a positive immersion experience at NTU and that your living needs are met adequately.</p>

OTHER USEFUL INFORMATION

<p>Facilities / services available to students on campus</p>	<ul style="list-style-type: none"> • Library • Wide range of sports and recreation facilities • Medical Services • Campus-wide Wi-Fi • High-speed LAN access in-room • Bank and ATMs • Hairdresser • Supermarkets 	<ul style="list-style-type: none"> • Student’s Global Lounge • Restaurants, fast food chains and other food outlets around campus (click here for more information) • Canteens located at most Halls of Residence or within walking distance
<p>Any bank on NTU campus?</p>	<p>There is an Overseas Chinese Banking Corporation – OCBC Bank with 24-hour ATM on campus.</p> <p>Alternatively, students may also visit the Jurong Point Shopping Centre (www.jurongpoint.com.sg), which is located 10 minutes car drive from NTU campus, for their banking needs.</p>	
<p>Can I open a bank account while studying at NTU?</p>	<p>The local banks (including OCBC) require the student’s exchange period to be at least 6 months in order to be eligible to open an account in Singapore.</p>	
<p>Acceptable credit cards/bank cards in Singapore</p>	<ul style="list-style-type: none"> • Visa • Mastercard • American Express • Diners Club • Maestro • PLUS <p>You may withdraw cash from most ATM machines displaying the above services, as long as you have the required PIN and service enabled on your credit/debit card. You should check with your card issuing bank before you leave your home country to enquire about overseas usage in Singapore.</p>	

WITHDRAWAL POLICY

FOR EXCHANGE STUDENTS

All Exchange Students admitted on tuition fee-waiver basis who wish to withdraw from the GEM Trailblazer Summer Programme should inform their Home University Exchange Coordinator and the GEM Trailblazer Team, in writing, of their decision to withdraw.

Notice of Withdrawal	Refund Outcome
30 days or more prior to the start of the student's GEM T summer programme	Registration and Administrative Fee will be refunded.
Less than 30 days before the start of the student's GEM T Summer programme	Only the Registration Fee will be refunded. Administrative Fees will NOT be refunded. <i>For Exchange coordinators – This will not count towards exchange.</i>
After Arrival at NTU	The Registration and Administrative Fee will NOT be refunded. Depending on when the student checks out, only the unconsumed period of accommodation (counted by 7-day weekly billing cycle) will be refunded. <i>For Exchange coordinators – This will count towards exchange.</i>

WITHDRAWAL POLICY

FOR FEE-PAYING STUDENTS

All fee-paying students who wish to withdraw from the GEM Trailblazer Summer Programme must inform GEM Trailblazer Office in writing of their decision to withdraw.

Notice of Withdrawal	Refund Outcome
Withdrawal notice received BEFORE the application deadline.	<ul style="list-style-type: none"> • The Tuition and Administrative fees will be refunded • The Registration Fee of S\$150 will not be refunded
Withdrawal notice received AFTER the application deadline and 30 or more days months prior to the start of the student's Summer Programme.	<ul style="list-style-type: none"> • 50% of the Tuition and Administrative fees will be refunded • The Registration Fee of S\$150 will not be refunded
Withdrawal notice received AFTER the application deadline but less than 30 days before the start of the student's Summer Programme.	No refund on the Programme Fees (Tuition Fees, Registration and Administrative Fees)

ABOUT SINGAPORE

Singapore – A Garden City

Singapore is a compact island of only about 682 km², but it has seen extraordinary growth and progress throughout its history since its founding. In just 150 years, Singapore has transformed into a leading vibrant economic hub despite limited land and not having any natural resources.

Singapore is now a cosmopolitan society where people live harmoniously and interact with different races. Visitors can enjoy the best of Chinese, Malay, Indian and Eurasian cultures through the many traditional and religious festivals that fill the Singapore calendar.

Located in the heart of Asia, Singapore enjoys a robust economy driven by a highly educated workforce, excellent connectivity, and high standard of living. It tops the world rankings in key sectors of Competitiveness and Business Environment, Economic Performance, Business Legislation and Efficiency.

Singapore has the world's busiest port and one of the world's major oil refining and distribution center. Rated as one of the world's easiest places to do business, it is host to more than 7,000 MNCs and 150 international organizations. As a major air, sea and telecommunications hub, its strategic position in Asia offers easy access to more than 300 cities in 60 international destinations within a 7-hour flight radius from Changi Airport, consistently rated as the world's best airport.

For more information on Singapore, you may visit the official Singapore Tourism Website:

<https://www.visitsingapore.com/en/>

ABOUT NTU

NTU – A Garden Campus

A research-intensive public university, Nanyang Technological University (NTU) has about 33,000 undergraduate and postgraduate students in the colleges of Engineering, Business, Science and Humanities, Arts & Social Sciences. In 2013, NTU enrolled the first batch of students at its new medical school, the Lee Kong Chian School of Medicine, jointly with Imperial College London.

NTU is also home to world-class autonomous institutes – the National Institute of Education, S Rajaratnam School of International Studies, Earth Observatory of Singapore, Singapore Centre on Environmental Life Sciences Engineering and the Wealth Management Institute – and various leading research centres such as the Nanyang Environment & Water Research Institute (NEWRI) and the Energy Research Institute @ NTU (ERI@N).

Ranked 11th in the world, NTU is top in Asia and has been placed as the world’s top young university for the past six years. The university’s main campus is frequently listed among the Top 15 most beautiful university campuses in the world.

At any one time, NTU has on campus students from more than 100 nationalities. With more than 280 academic partners, international exchange students are an integral part of our vibrant community.

Besides its 200-ha (500-acre) lush green, residential campus in the western part of Singapore, NTU also has a second campus in the heart of Novena, Singapore’s medical district.

For more information, please visit the NTU corporate website at <http://www.ntu.edu.sg>.



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