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CERTIFICATE **TRANSCRIPT**

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NATIONAL UNIVERSITY
of SINGAPORE

OFFICIAL TRANSCRIPT

NAME: CHANG QING LIANG JOEL		STUDENT NO: A0136074J	DATE OF BIRTH: 29/04/1997	DATE ISSUED: 05/07/2022	
DEGREE CONFERRED: BACHELOR OF SCIENCE WITH HONOURS (HIGHEST DISTINCTION)			MODULE	GRADE	CREDITS
CUMULATIVE AVERAGE POINT: 4.76			ACADEMIC YEAR 2018/2019 SEMESTER 2		
CUMULATIVE MODULAR CREDITS: 160.00			CS1010S	PROGRAMMING METHODOLOGY	A 4.00
ADMISSION DATE: 06/08/2018			GEH1045	WORLD RELIGIONS	A+ 4.00
CONFERMENT DATE: 30/06/2022			GER1000	QUANTITATIVE REASONING	A- 4.00
MAJOR: MATHEMATICS			GES1003	CHANGING LANDSCAPES OF SINGAPORE	S 4.00
			MA2104	MULTIVARIABLE CALCULUS	A- 4.00
			MA2108	MATHEMATICAL ANALYSIS I	A 4.00
AWARDS:			BACHELOR OF SCIENCE		
ACADEMIC YEAR 2020: OUTSTANDING UNDERGRADUATE RESEARCHER PRIZE (BEST UNDERGRADUATE RESEARCHER (INDIVIDUAL))			CUMULATIVE AVERAGE POINT : 4.77		
			ACADEMIC YEAR 2019/2020 SEMESTER 1		
MODULE	GRADE	CREDITS	GEQ1000	ASKING QUESTIONS	CS 4.00
ACADEMIC YEAR 2018/2019 SEMESTER 1			HY2253	CHRISTIANITY IN WORLD HISTORY	S 4.00
CREDITS RECOGNISED ON ADMISSION (NUS MODULES COMPLETED PRIOR TO CURRENT PROGRAMME):			MA2202	ALGEBRA I	A- 4.00
MA1101R	LINEAR ALGEBRA I	A- 4.00	MA3110	MATHEMATICAL ANALYSIS II	A+ 4.00
ENROLLED IN THE FOLLOWING NUS MODULES:			MA3220	ORDINARY DIFFERENTIAL EQUATIONS	A 4.00
GET1033	EXPLORING COMPUTATIONAL MEDIA LITERACY	A 4.00	ST2131	PROBABILITY	A 4.00
MA1100	FUNDAMENTAL CONCEPTS OF MATHEMATICS	A- 4.00	BACHELOR OF SCIENCE		
MA1102R	CALCULUS	A+ 4.00	CUMULATIVE AVERAGE POINT : 4.80		
MA2101	LINEAR ALGEBRA II	A 4.00	DEAN'S LIST		
SP1541	EXPLORING SCIENCE COMMUNICATION THROUGH POPULAR SCIENCE	A- 4.00	ACADEMIC YEAR 2019/2020 SEMESTER 2		
BACHELOR OF SCIENCE			BSP1703	MANAGERIAL ECONOMICS	A- 4.00
CUMULATIVE AVERAGE POINT : 4.75			FMS1203S	FS: RANDOMNESS IN SCIENTIFIC THINKING	CS 4.00
			MA3111	COMPLEX ANALYSIS I	A+ 4.00
			MA3201	ALGEBRA II	A 4.00
			MA4229	APPROXIMATION THEORY	A+ 4.00

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MODULE		GRADE		CREDITS		MODULE		GRADE		CREDITS	
BACHELOR OF SCIENCE						PLS8001		CULTIVATING COLLABORATION		CS 1.00	
CUMULATIVE AVERAGE POINT : 4.82						PLS8003		CULTIVATING RESILIENCE		CS 1.00	
						PLS8004		OPTIMIZING PERFORMANCE		CS 1.00	
						PLS8005		ELEVATING INTERPERSONAL COMMUNICATION		CS 1.00	
ACADEMIC YEAR 2020/2021 SEMESTER 1											
MA3209		MATHEMATICAL ANALYSIS III		A+		4.00		BACHELOR OF SCIENCE			
MA3288		ADVANCED UROPs IN MATHEMATICS I		A+		4.00		CUMULATIVE AVERAGE POINT : 4.73			
MA4211		FUNCTIONAL ANALYSIS		A-		4.00		ACADEMIC YEAR 2021/2022 SEMESTER 2			
MA4262		MEASURE AND INTEGRATION		A-		4.00					
ST3236		STOCHASTIC PROCESSES I		A+		4.00		MA4199		HONOURS PROJECT IN MATHEMATICS A 12.00	
BACHELOR OF SCIENCE								BACHELOR OF SCIENCE			
CUMULATIVE AVERAGE POINT : 4.81								CUMULATIVE AVERAGE POINT : 4.76			
DEAN'S LIST								*****END OF TRANSCRIPT*****			
ACADEMIC YEAR 2020/2021 SEMESTER 2											
CM1401		CHEMISTRY FOR LIFE SCIENCES		B+		4.00					
CS2040		DATA STRUCTURES AND ALGORITHMS		A-		4.00					
EC2101		MICROECONOMIC ANALYSIS I		B+		4.00					
IE6520		THEORY AND ALGORITHMS FOR ONLINE LEARNING		A+		4.00					
MA4266		TOPOLOGY		A-		4.00					
BACHELOR OF SCIENCE											
CUMULATIVE AVERAGE POINT : 4.74											
ACADEMIC YEAR 2021/2022 SEMESTER 1											
DMX1401		DYOM VIA EDX MOOC		CS		4.00					
GEH1036		LIVING WITH MATHEMATICS		S		4.00					
MA4199		HONOURS PROJECT IN MATHEMATICS		IP		12.00					
MA4203		GALOIS THEORY		A-		4.00					

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NATIONAL UNIVERSITY OF SINGAPORE (NUS)
Registrar's Office, University Hall (Lee Kong Chian Wing),
#UHL-04-01, 21 Lower Kent Ridge Road, Singapore 119077
Telephone : (65) 65162304
Website : https://www.nus.edu.sg/registrar

TRANSCRIPT INFORMATION
Applicable to undergraduate and graduate programmes (unless specified otherwise)

GRADE LEGEND

Grade	Grade Point	Additional Grading Options
A+, A	5.00	S Satisfactory
A-	4.50	U Unsatisfactory
B+	4.00	CS Completed (Satisfactory)
B	3.50	CU Completed (Unsatisfactory)
B-	3.00	IC Incomplete
C+	2.50	IP In Progress
C	2.00	AUD Audit
D+	1.50	EXE Exempted
D	1.00	W Withdrawn
F	0.00	WU Withdrawal from University

SCHOOL OF BUSINESS – MASTER'S DEGREE PROGRAMME MODULES

Grade	Grade Point
DT (Distinction)	5.00
M (Merit)	4.00
Pass	3.00
Fail	0.00

FACULTY OF DENTISTRY / YONG LOO LIN SCHOOL OF MEDICINE – BACHELOR'S DEGREE PROGRAMME MODULES

Grade	Descriptor	Additional Grading Options
A+	Distinction	DT Distinction
A		M Merit
A-		P Pass
B+		IC Incomplete
B		IP In Progress
B-		W Withdrawn
C+		WU Withdrawal from University
C		
F		

SUPPLEMENTARY EXAMINATION AND RE-EXAMINATION
Students who sit for Supplementary Examination or Re-examination (if applicable) are awarded the grade appropriate to the marks they obtain.

MEDIUM OF INSTRUCTION

The medium of instruction used in the University is English, unless specified otherwise.

CUMULATIVE AVERAGE POINT (CAP)

The Cumulative Average Point (CAP) was introduced for students admitted from the Academic Year (AY) 1998/1999 onwards to track the progress of students under the Modular System. It is the weighted average grade point of all modules taken by the student.

MODULAR CREDIT (MC)

A modular credit (MC) is a unit of the effort, stated in terms of time, expected of a typical student in managing his/her workload. 1 MC is equivalent to 2.5 hours of study and preparation per week. Thus, a 4-MC module would require 10 hours of work a week, including lectures, tutorials, laboratory sessions, assignments, and independent or group study, over 13 Instructional Weeks in a semester.

GRADE-FREE SCHEME (GFS)

The Grade-free Scheme (GFS), in the form of 32 MCs of Satisfactory/Unsatisfactory (S/U) option, was introduced for undergraduate students admitted from AY2014/2015 onwards, to provide a supportive and enabling environment for them to make a successful transition into the academic and social aspects of university life.

It was enhanced from a grade-free first semester to a grade-free first year for undergraduate students admitted from AY2016/2017 onwards.

At the end of a semester, students may choose to retain the letter grade or to exercise the S/U option on a module, in which case the letter grade will not be shown on the transcript nor computed towards the CAP. An 'S' grade is assigned if students receive a C grade or above while a 'U' grade is assigned if the grade obtained is D+, D or F. Students will receive credits towards the degree only if they attain an 'S' grade.

LEAVE OF ABSENCE

Only leave of absence of one semester or longer is recorded in the transcript.

DEGREE CLASSIFICATION

The criteria for degree classification applicable to students admitted from AY2012/2013 onwards are as follows:

Honours Degree Classification ⁽ⁱ⁾	Criteria
Honours (Highest Distinction)	CAP 4.50 and above ⁽ⁱⁱ⁾
Honours (Distinction)	CAP 4.00 – 4.49
Honours (Merit)	CAP 3.50 – 3.99
Honours	CAP 3.00 – 3.49
Pass	CAP 2.00 – 2.99
Bachelor's Degree Classification ⁽ⁱⁱⁱ⁾	Criteria
Pass with Merit	CAP 3.00 and above
Pass	CAP 2.00 – 2.99

(i) This refers to 160-MC degree programmes.

(ii) Particular Faculties/Schools may stipulate other requirements.

(iii) This refers to 120-MC degree programmes.

This transcript shows the latest information. For information on earlier grade legends, please visit:
https://www.nus.edu.sg/registrar/student-records/transcripts/official-transcripts.

FACULTY OF LAW – DEGREE CLASSIFICATION

(a) The criteria for degree classification applicable to students conferred their Bachelor's of Laws (LLB) degrees from 30 June 2016 are as follows:

Degree Classification	Criteria
First Class Honours	Obtained a Cumulative Weighted Numerical Average for all modules taken at NUS that is equivalent to a grade of A- or better, or finished in the top 10% of the graduating class.
Second Class (Upper Division) Honours	Obtained a Cumulative Weighted Numerical Average for all modules taken at NUS that is equivalent to a grade of B or better, and do not qualify for First Class Honours.
Second Class (Lower Division) Honours	Obtained a Cumulative Weighted Numerical Average for all modules taken at NUS that is equivalent to a grade of C or better, and do not qualify either for First Class or Second Class (Upper Division) Honours.
Third Class Honours	Completed the number of credits required for a LLB (Honours) degree but do not qualify for First Class, Second Class (Upper Division) or Second Class (Lower Division) Honours.

*Note: A student will not be eligible for First Class or Second Class (Upper Division) Honours if:

- a) the student has failed more than 12 credits of modules at NUS (or while on an approved exchange programme); or
b) the student has taken more than 9 semesters to complete the 4-year LLB programme or 7 semesters to complete the 3-year Graduate LLB programme (excluding periods where the student has been granted a leave of absence).

(b) The criteria for degree classification applicable to students conferred their Juris Doctor (J.D.) degrees are as follows:

Degree Classification	Criteria
JD (Highest Distinction)	Obtained a Cumulative Weighted Numerical Average for all modules taken at NUS that is equivalent to a grade of A- or better.
JD (Distinction)	Obtained a Cumulative Weighted Numerical Average for all modules taken at NUS that is equivalent to a grade of B or better.
JD (Merit)	Obtained a Cumulative Weighted Numerical Average for all modules taken at NUS that is equivalent to a grade of C or better.
JD	Completed the number of credits required for a JD degree but do not qualify for HD (Highest Distinction), HD (Distinction) or JD (Merit).

CHECK FOR AUTHENTICITY:

This digital transcript has been issued by NUS and its authenticity is guaranteed only when it can be successfully accessed through the OpenCerts portal (opencerts.io) or nus.edu.sg/e-documents.