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THE UNIVERSITY OF HONG KONG

Unofficial Transcript of Academic Record - Student Copy

(The results in the unofficial transcript are for reference only and should not be taken as official certification.)

Name & Student ID

Official Name: Liu Zhonglin 3035974614

Personal Information

Name Prefix:

Date of Birth: March 6, XXXX HKID Number: KK0XXX00(A)

Academic Program / Plan Information

Academic Career: Undergraduate Career

Academic Program: Level: Year 4

Curriculum BSc Major Mathematics Major Economics

Awards / Scholarships

2022-2023 Dean's Honours List 2023-2024 Dean's Honours List 2024-2025 C.V. Starr Scholarships

Wong Yung Chow Prize in Mathematics 2024-2025

Hong Kong Chiu Chow Chamber of Commerce Rayson Huang Memorial Student 2024-2025

Enrichment Award

Course History

| ** To be relea | sed O Taken | ←Transferred | 🔷 Ir | Progress | 3 | |
|----------------|---|---------------|-------|----------|---------|------------------|
| Course | Course Title | Term | Grade | Units | Status | Academic Program |
| CCGL 9007 | Youth in a Global World | 2022-23 Sem 1 | A- | 6.00 | Ø | BSc |
| ECON 1210 | Introductory microeconomics | 2022-23 Sem 1 | A+ | 6.00 | Ø | BSc |
| ECON 1220 | Introductory macroeconomics | 2022-23 Sem 1 | A+ | 6.00 | Ø | BSc |
| MATH 1013 | University mathematics II | 2022-23 Sem 1 | A+ | 6.00 | Ø | BSc |
| MATH 2012 | Fundamental concepts of mathematics | 2022-23 Sem 1 | А | 6.00 | Ø | BSc |
| STAT 1600 | Statistics: ideas and concepts | 2022-23 Sem 1 | A+ | 6.00 | Ø | BSc |
| ACCT 1101 | Introduction to financial accounting | 2022-23 Sem 2 | A+ | 6.00 | Ø | BSc |
| CAES 1000 | Core University English | 2022-23 Sem 2 | B+ | 6.00 | Ø | BSc |
| MATH 2101 | Linear algebra I | 2022-23 Sem 2 | B+ | 6.00 | Ø | BSc |
| MATH 2211 | Multivariable calculus | 2022-23 Sem 2 | A+ | 6.00 | Ø | BSc |
| MATH 2241 | Introduction to mathematical analysis | 2022-23 Sem 2 | A- | 6.00 | Ø | BSc |
| CAES 9820 | Academic English for Science Students | 2023-24 Sem 1 | A- | 6.00 | Ø | BSc |
| CCST 9017 | Hidden Order in Daily Life: A Mathematical Perspective | 2023-24 Sem 1 | B+ | 6.00 | Ø | BSc |
| FINA 1310 | Corporate finance | 2023-24 Sem 1 | A+ | 6.00 | Ø | BSc |
| MATH 3401 | Analysis I | 2023-24 Sem 1 | A- | 6.00 | Ø | BSc |
| MATH 3904 | Introduction to optimization | 2023-24 Sem 1 | A+ | 6.00 | Ø | BSc |
| SCNC 3111 | Frontiers of science honours seminar course | 2023-24 Sem 1 | B- | 6.00 | Ø | BSc |
| CCHU 9088 | We are Family: Myths, Realities and the Future of an Idea | 2023-24 Sem 2 | B+ | 6.00 | Ø | BSc |
| CUND 9003 | Cantonese for Non- Cantonese Speaking Students | 2023-24 Sem 2 | A- | 6.00 | Ø | BSc |
| ECON 1280 | Analysis of economic data | 2023-24 Sem 2 | A+ | 6.00 | \odot | BSc |

| MATH 3405 | Differential equations | 2023-24 Sem 2 | A+ | 6.00 | \otimes | BSc |
|-------------|---|---------------|----|-------|--------------------|-----|
| MATH 3601 | Numerical analysis | 2023-24 Sem 2 | A+ | 6.00 | \otimes | BSc |
| MATH 4402 | Analysis II | 2023-24 Sem 2 | A- | 6.00 | \otimes | BSc |
| ECON 2210 | Intermediate microeconomics | 2024-25 Sem 1 | A+ | 6.00 | Ø | BSc |
| ECON 2232 | Economics of human resources | 2024-25 Sem 1 | А | 6.00 | \otimes | BSc |
| MATH 3943 | Network models in operations research | 2024-25 Sem 1 | B- | 6.00 | Ø | BSc |
| MATH 3999 | Directed studies in mathematics | 2024-25 Sem 1 | A+ | 6.00 | Ø | BSc |
| MATH 4404 | Functional analysis | 2024-25 Sem 1 | A- | 6.00 | \odot | BSc |
| MATH 4406 | Introduction to partial differential equations | 2024-25 Sem 1 | А | 6.00 | Ø | BSc |
| CCCH 9018 | Buddhism and Chinese Culture | 2025-26 Sem 1 | | 6.00 | \rightarrow | BSc |
| ECON 2220 | Intermediate macroeconomics | 2025-26 Sem 1 | | 6.00 | \rightarrow | BSc |
| ECON 4211 | Advanced Microeconomics | 2025-26 Sem 1 | | 6.00 | \rightarrow | BSc |
| MATH 3301 | Algebra I | 2025-26 Sem 1 | | 6.00 | \rightarrow | BSc |
| MATH 4999FY | Mathematics project | 2025-26 Sem 1 | | 0.00 | \rightarrow | BSc |
| MATH 7101 | Intermediate complex analysis | 2025-26 Sem 1 | | 6.00 | \Q | BSc |
| CCST 9012 | Our Place in the Universe | 2025-26 Sem 2 | | 6.00 | \Q | BSc |
| ECON 3215 | Uncertainty and information | 2025-26 Sem 2 | | 6.00 | \Q | BSc |
| LLAW 3272 | LITE lab: legal technology and the future of the profession sandbox | 2025-26 Sem 2 | | 6.00 | ♦ | BSc |
| MATH 4999 | Mathematics project | 2025-26 Sem 2 | | 12.00 | \rightarrow | BSc |
| MATH 7505 | Real analysis | 2025-26 Sem 2 | | 6.00 | \langle | BSc |

Semester GPA & Cumulative GPA (Not applicable to BDS & MBBS)

| Term | Semester GPA | Cumulative GPA | Academic Program | Level |
|-----------------|--------------|----------------|------------------|--------|
| 2022-23 Sem 1 | 4.15 | 4.15 | BSc | Year 1 |
| 2022-23 Sem 2 | 3.78 | 3.98 | BSc | Year 1 |
| 2022-23 Sum Sem | 0.00 | | | Year 1 |
| 2023-24 Sem 1 | 3.67 | 3.87 | BSc | Year 2 |
| 2023-24 Sem 2 | 3.93 | 3.89 | BSc | Year 2 |
| 2023-24 Sum Sem | 0.00 | | | Year 2 |
| 2024-25 Sem 1 | 3.83 | 3.88 | BSc | Year 3 |
| 2024-25 Sem 2 | 0.00 | | | Year 3 |
| 2024-25 Sum Sem | 0.00 | 3.88 | BSc | Year 3 |
| 2025-26 Sem 1 | 0.00 | | | Year 4 |
| 2025-26 Sem 2 | 0.00 | | | Year 4 |
| 2025-26 Sum Sem | 0.00 | | | Year 4 |

Overall Result

Advanced Standing

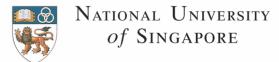
Exempted Courses

Credits Gained

Credit Transfer

- 6 credits transferred from courses taken at Fudan University, China
- $\bf 6$ credits transferred from courses taken at The University of International Business and Economics, China
- 6 credits transferred from courses taken at The Chinese University of Hong Kong, Hong Kong
- 18 credits transferred from courses taken at National University of Singapore, Singapore
- Total Credits Transferred: 36
- -- END OF TRANSCRIPT (STUDENT COPY) --

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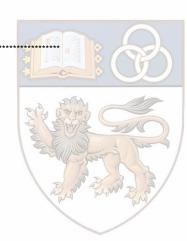


OFFICIAL TRANSCRIPT

NAME: LIU ZHONGLIN **STUDENT NO.:** A0312805M **DATE OF BIRTH:** 06/03/2004 **DATE ISSUED:** 02/07/2025

PROGRAMME: NON GRADUATING PROGRAMME

| COURSE | | <u>GRADE</u> | <u>UNITS</u> |
|----------------------------|---|---------------|----------------------|
| ACADEMIC Y | EAR 2024/2025 SEMESTER 2 | | |
| EC3351 MA2101 | PUBLIC FINANCE LINEAR ALGEBRA II | A- A+ | 4.00 4.00 |
| MA3211 MA4229 MA4233 | COMPLEX ANALYSIS I FOURIER ANALYSIS AND APPROXIMATION DYNAMICAL SYSTEMS | A+ A A- | 4.00 4.00 4.00 |
| MA4233 | DYNAMICAL SYSTEMS | A- | |



NATIONAL UNIVERSITY OF SINGAPORE (NUS)
Office of the University Registrar,
University Hall (Lee Kong Chian Wing),
#UHL-04-01, 21 Lower Kent Ridge Road, Singapore 119077
nus.edu.sg/registrar (W) transcript@nus.edu.sg (E)

The transcript information below is applicable to undergraduate and graduate programmes, unless specified otherwise. For earlier transcript information, please visit nus.edu/transcripts.

MEDIUM OF INSTRUCTION

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

GRADE LEGEND

| <u>Grade</u> | Grade Point | Additi | onal Grading Options |
|--------------|-------------|--------|----------------------------|
| A+, A | 5.00 | S | Satisfactory |
| A- | 4.50 | U | Unsatisfactory |
| B+ | 4.00 | CS | Completed (Satisfactory) |
| В | 3.50 | CU | Completed (Unsatisfactory) |
| B- | 3.00 | IC | Incomplete |
| C+ | 2.50 | ΙP | In Progress |
| С | 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 PROGRAMMES

| Grade | Grade Point | Addi | tional Grading Options |
|------------------|--------------------|------|----------------------------|
| DT (Distinction) | 5.00 | S | Satisfactory |
| M (Merit) | 4.00 | U | Unsatisfactory |
| Pass | 3.00 | CS | Completed (Satisfactory) |
| Fail | 0.00 | CU | Completed (Unsatisfactory) |
| | | IC | Incomplete |
| | | IΡ | In Progress |
| | | AUD | Audit |
| | | EXE | Exempted |
| | | W | Withdrawn |
| | | WU | Withdrawal from University |

FACULTY OF DENTISTRY / YONG LOO LIN SCHOOL OF MEDICINE - BACHELOR'S DEGREE PROGRAMMES

| Grade | Descriptor | A | ddit | ional Grading Options |
|-------|-------------|----------------|------|----------------------------|
| A+ | Distinction | D ⁻ | Γ | Distinction |
| Α | | M | | Merit |
| A- | | Р | | Pass |
| B+ | | IC | ; | Incomplete |
| В | | IP | | In Progress |
| B- | | W | | Withdrawn |
| C+ | | W | U | Withdrawal from University |
| С | | | | ŕ |
| 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

UNITS

A unit is a measure of the effort, stated in terms of time, expected of a typical student in managing their course workload. One (1) unit is equivalent to 2.5 hours of study and preparation per week. Thus, a 4-unit course would require 10 hours of work a week, including lectures, tutorials, laboratory sessions, assignments, and independent or group study, in a regular semester.

GRADE POINT AVERAGE (GPA)

The Grade Point Average (GPA) tracks the progress of students under the modular system. It is the weighted average grade point of all courses taken by the student, unless specified otherwise. Courses with no assigned unit or grade point are excluded from the calculation of the GPA.

GRADE-FREE SCHEME (GFS)

The Grade-free Scheme (GFS), in the form of 32 units 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 to university life. If the S/U option is exercised on a course, its grade will not be computed towards the GPA. The units of a course will be counted towards the degree if an "S" grade is attained, and will not be counted if a "U" grade is attained.

LEAVE OF ABSENCE

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

DEGREE CLASSIFICATION

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

| Criteria |
|-------------------------|
| GPA 4.50 and above (ii) |
| GPA 4.00 - 4.49 |
| GPA 3.50 – 3.99 |
| GPA 3.00 - 3.49 |
| GPA 2.00 – 2.99 |
| Criteria |
| GPA 3.00 and above |
| GPA 2.00 - 2.99 |
| |

- (i) For 160-unit Bachelor's degree programmes.
- (ii) Each degree programme may stipulate its additional requirements.
- (iii) For 120-unit Bachelor's degree programmes.

FACULTY OF LAW - DEGREE CLASSIFICATION

(a) The criteria for degree classification applicable to students conferred their Bachelor 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 courses 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 courses 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 courses 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 units 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 units of courses 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 (JD) degrees are as follows:

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

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