

List of Course Restriction for Exchange/Non-Graduating students

Due to demand and space constraints, the following undergraduate courses have limited or restricted access for Non-Graduating students.

SN	COURSES HIGHLY POPULAR WITH LIMITED VACANCIES	COURSES NOT AVAILABLE TO EXCHANGE STUDENT
1	Nanyang Technopreneurship Centre	Nanyang Technopreneurship Centre
		ET0001 Enterprise and Innovation
		ET9131 Entrepreneurship & Marketing for New Ventures
		ET9132 Entrepreneurial Accounting and Finance
		ET9133 Managing New & Ongoing Ventures
		ET9134 Enterprise Strategy
		ET9135 Business Venture Implementation
2	Asian School of the Environment	Asian School of the Environment
	ES0002 Fundamentals of Data Science for Earth and Environmental Systems Science	ES0001 Singapore Studies –The Physical Environments of Singapore [By permission]
	ES2801 Introduction to Natural Hazards	ES1006 Introductory Field Experience
	ES3302 Tropical Ecology	ES3001 Future Career in EESS
	ES4303 Marine and Aquatic Ecology	ES3005 Advanced Field Course in Geology
		ES3304 Advanced Field Placement in Ecology and Society
		ES4002 Final Year Project
		ES4003 Professional Internship
		ES4004/ES4006 Overseas Entrepreneurship Programme
		ES4010 Teaching in E2S2
		ES4111 Overseas Final Year Project
		The below courses are only open to Exchange Students majoring in Earth/Environmental Science in their home University and this is subjected to the available vacancies:
		ES1001 E2S2 Environment and Society
		ES1003 E2S2 Solid Earth
		ES1007 Climate Change
		The below courses are currently not offered:
		ES2803 Atmospheric Pollution and Climate Change
		ES4901 Oceanography
3	School of Chemical and Biomedical Engineering	School of Chemical and Biomedical Engineering
	CH4244 Numerical Methods & Data Analytics	BG1801 Bioengineering Laboratory 1A
		BG1802 Bioengineering Laboratory 1B
		BG2111 Computational Methods in Biomedical Engineering
		BG2801 Bioengineering Laboratory 2A
		BG2802 Bioengineering Laboratory 2B
		BG3801 Bioengineering Laboratory 3
		CH1119 Materials & Energy Balance & Thermodynamics
		CH1801 Chemical & Biomolecular Engineering Laboratory 1A
		CH1082 Chemical & Biomolecular Engineering Laboratory 2
		CH2112 Chemical Reaction Engineering
		CH2113 Fluids System
		CH2114 Heat & Mass Transfer in Chemical & Biological Systems
		CH3111 Process Control & Dynamics
		CH2801 Chemical & Biomolecular Engineering Laboratory 2A
		CH2802 Chemical & Biomolecular Engineering Laboratory 2B
		CH3802 Chemical & Biomolecular Engineering Laboratory 5
		CH4702 Independent Research Project 1
		CH4703 Independent Research Project 2
		CH9200 Food Microbiology
		CH9201 Food Chemistry
		CH9202 Food Physics
		CH9203 Food Process Engineering

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		CH9204 Quality Systems Operations
		CH9221 Food Industry Seminar Series
		The following Final Year Projects span over 2 semesters (1 academic year):
		BG4801 Final Year Project
		CH4801 Final Year Design Project
4	School of Computer Science and Engineering	School of Computer Science and Engineering
	CZ2003 Computer Graphics and Visualisation	CE1003/CZ1003 Introduction to Computational Thinking
	CZ2004 Human Computer Interaction	CE1007/CZ1007 Data Structures
	CZ2007 Introduction to Databases	CE1013 / CZ1013 Physics for Computing
	CZ3002 Advanced Software Engineering	CE9010 Introduction to Data Science
	CZ3003 Software Systems Analysis and Design	CE3004/CZ3004 Multidisciplinary Design Project
	CZ3005 Artificial Intelligence	CE0001/CZ0001 Engineers and Society
	CZ3006 Net Centric Computing	CE1015/CZ1015 Introduction to Data Science & Artificial Intelligence
	CZ3007 Compiler Techniques	CZ1016 Introduction to Data Science
		All courses with course code CSCxxx and CPExxx
		a. All CE403x / CZ403x
		b. All CE404x / CZ404x
		c. All CE405x / CZ405x
		d. All CE406x / CZ406x
		e. All CE407x / CZ407x
5	School of Civil & Environmental Engineering	School of Civil & Environmental Engineering
	CV2014 Geotechnical Engineering (Offered in Sem 2)	CV0001 Civil Engineering and Sustainable Built Environment (offered in Sem 2)
	CV3012 Steel Design (Offered in Sem 2)	CV0002/ MT0002 Engineers & Society (offered in Sem 1 & 2)
	CV3016 Construction Technology and Processes (offered in sem 2)	CV0003 Introduction to Data Science and Artificial Intelligence (Offered in Sem 1)
	CV1011 Mechanics of Materials (Offered in Sem 2)	CV2011 Structural Analysis I (offered in Sem 1 & 2)
	CV1012 Fluid Mechanics	CV2012 Structural Analysis II (offered in Sem 2)
		CV1014 Introduction to Computational Thinking (Offered in Sem 2)
		CV2712 Civil Engineering Lab B (Offered in Sem 2)
		CV4107 Engineering Economics and Finance (Offered in Sem 1 & 2)
		CV4711 / EN4711 Seminar & Site Visits (offered in Sem 1)
		CV4911 / EN4911 / MT4004 Final Year Project (spans over 2 semesters)
		CV4912 / EN4912 Integrated Design Project (offered in Sem 2)
	MT1004 Introduction to Meteorology (offered in Sem 2)	MT1001 Mathematics I For Maritime Studies (Offered in Sem 1)
	MT2006 Regulatory Framework of Shipping (offered in Sem 2)	MT1003 Trade Practice and Incoterms (offered in Sem 1)
	MT3005 Quality Management in Shipping (offered in Sem 2)	MT2002 Shipping Economics (offered in Sem 1)
	MT4003 Maritime Strategy (offered in Sem 1)	MT2003 Maritime Technology (offered in Sem 1)
	MT4101 Intermodal Transportation (Offered in Sem 1)	MT2005 Port Economics (offered in Sem 2)
	MT4104 Information Technology Management (Offered in Sem 1)	MT3001 Maritime Law (offered by in Sem 1 by Overseas Counterpart)
		MT3002 Introduction to Marine Insurance (offered by in Sem 1 by Overseas Counterpart)
		MT3003 Organisation of a Ship Owning Entity (offered by in Sem 1 by Overseas Counterpart)
		MT3004 Shipping Management (offered by in Sem 1 by Overseas Counterpart)
		MT4001 Shipping Logistics (offered in Sem 1)
		MT4002 Essentials of Project Management (offered in Sem 1)
		MT4004 Research Project (offered in Sem1 & 2)
	All EN1xxx to EN3xxx series courses	SU2001 Planning and Design (Offered in Sem 2)
		SU3001 Integrated Urban Management (Offered in Sem 1)
		SU4001 Leaders in Urban Systems and Policy (Offered in Sem 2)

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6	School of Electrical & Electronic Engineering	School of Electrical & Electronic Engineering
	EE1005 Introduction to Computational Thinking *	EE0002 Engineers and Society
	EE3011 Modelling and Control *	EE0005 Introduction to Data Science & AI
	EE3017 Computer Communication *	EE3080 Design & Innovation Project ^
	EE4001 Software Engineering *	EE4414 Neural Networks Design
	EE4110 Optical Communication System Design * (S2)	EE4717 Web Application Design (S1)
	EE4207 Control Engineering Design * (S1)	EE4718 Enterprise Network Design (S2)
	EE4208 Intelligent Systems Design * (S2)	EE8095 Innovation and Commercialization
	EE4266 Computer Vision * (S1)	<p>^ EE3080 is a project-based course, where groups are formed before the semester commences. Exchange students can appeal to read this course if it is credit bearing. Student must obtain their home university's email confirmation of credit transfer to eeeundgrad@ntu.edu.sg for approval. Once approved, students will be randomly assigned to available group</p>
	EE4268 Robotics & Automation * (S1)	
	EE4285 Computation Intelligence * (S2)	
	EE4483 Artificial Intelligence & Data Mining * (S1)	
	EE4503 Power System Analysis & Control * (S1)	
	EE4504 Design of Clean Energy Design * (S2)	
	EE4758 Information Security * (S1)	
	EE4791 Database Systems * (S2)	
	EE4901 Biomedical Control System Design * (S1)	
	EE4902 Design of Medical Information Processing System * (S2)	
	EE8061 Innovation and Technology Management * (S1)	<p>All IEM Courses (Codes: IMxxxx)</p> <p>Note: These classes are smaller, and only cater to NTU IEM students. Exchange students, who want to read any IM courses, will not be approved to read them. Instead, students may select the equivalent course offered under the EExxxx course codes.</p>
	EE8092 Digital Lifestyle * (S2)	
	<p>Courses marked with asterisk (*) are in high demand, and will not be pre-allocated to exchange students. Instead, they are required to either register them during the Add/Drop Period or appeal directly to the EEE Academic Programme Office.</p> <p>(S1) = Offered in Semester 1 (Aug – Dec) ; (S2) = Offered in Semester 2 (Jan – May)</p>	
7	School of Materials Science & Engineering	School of Materials Science & Engineering
	MS10xx courses	MS0003 Introduction to Data Science and Artificial Intelligence
	MS20xx courses	MS1008 Introduction to Computational Thinking
	MS30xx courses	MS2081 Laboratory IIA
	MS40xx courses	MS2082 Laboratory IIB
	MS46xx courses	MS3081 Laboratory III
		MS4089 Final Year Project (span over 2 semesters)
		MS8001 Management with Humour (only for NTU MSE students)
		MS8301 Materials and Man (only for NTU MSE students)
		MS4613 Wearable Sensors For Healthcare
		MS4670 Commodities' Geology and Metallurgy
8	School of Mechanical & Aerospace Engineering	School of Mechanical & Aerospace Engineering
	MA2004 Manufacturing Processes	FE1073 An Introduction to Engineering and Practices
	MA2700 Aerospace Materials & Manufacturing Process	MA0218 Introduction to Data Science and Artificial Intelligence
	MA3003 Heat Transfer	MA1008 Introduction to Computational Thinking
	MA3006 Fluid Mechanics	MA2011 Mechatronics System Interfacing
	MA4822 Measurements and Sensing Systems	MA2012 Introduction to Mechatronics Systems Design (only applicable for mechatronics student)
	MA4825 Robotics	MA2013 Creative Thinking Design
	MA4830 Realtime Software for Mechatronic Systems	MA2014 Product Presentation (only offered in Sem 1, for Design major students)
	MA4831 Computer-aided Engineering	MA2071 Laboratory Experiments
	MA4832 Microprocessor Systems	MA2072 Laboratory Experiments (AE)
	MA4843 Management of Product Development	MA2079 Engineering & Innovation Design
	MA4849 Operations Research	MA2005 Engineering Graphics

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	MA4872 Aircraft Reliability and Maintainability	MA3001 Machines Elements Design
		MA3005 Control Theory
		MA3010 Thermodynamics & Heat Transfer
		MA3071 Engineering Experiments (ME)
		MA3072 Engineering Experiments (ME)
		MA3076 Professional Attachment
		MA3701 Aerodynamics (only applicable for AERO major students)
		MA3702 Aircraft Propulsion (only applicable for AERO major students)
		MA3705 Aircraft Control Theory
		MA3079 / MA3080 Professional Internship
		MA4001 Engineering Design
		MA4011 Engineering Product Design
		MA4012 Mechatronics Engineering Design
		MA4079 Final Year Project (Spans over 2 semesters)
		MA4701 Aircraft Design (only applicable for AERO students)
		MA4829 Machine Intelligence
		MA4850 Supply Chain & Logistics Management
		MA4854 Quality Assurance & Management
		MA4857 Human Factors for Design
		MA4858 Product Design
		MA4872 Aircraft Reliability & Maintainability
		MA4878 Unmanned Aerial Vehicles
		MA4880 Airport Operations and Systems
		MA4881 Air Traffic Management
		MA9004 Systems Thinking and Systems Engineering
		All MPxxxx and AExxxx course(s) code are no longer offered
9	Nanyang Business School	Nanyang Business School
	AB0502 Managing Sustainability	AB0001 Sustainability: Issues, Reporting & Finance
	AB0602 Communication Management Strategies	AB0301 Legal & Ethical Issues in Sustainability
	AB1301 Business Law	AB0603 Business Gone Green: Managerial Issues
	AB1501 Marketing	AB1001 Career Foundations
	AB1601 Organisational Behaviour & Design	AB1002 Career Readiness
	AB3601 Strategic Management	AB1201 Financial Management
	AB9101 Business Valuation: From Theory to Practice	AB1202 Statistics & Analysis
	AB9102 Forensic Accounting & Fraud Investigation	AB1401 Technological Innovations & Developments
	AB9601 Negotiate to Get What You Want Strategy and Practice	AB1402 Foundation Excel
	AB9602 Leadership in Organisations	AB2000 Career Foundations II
	AC2401 Accounting Information Systems	AB2001 Professional Attachment
	BC3402 Financial Service Processes & Analytics	AB2003 Professional Attachment
	BC3405 Lean and Process Analytics	AB2004 Professional Attachment
	BE1401 Business Operations and Process	AB2005 Professional Internship
	BE2501 International Business Environment	AC1103 Accounting I
	BE2502 Innovation Marketing	AC1102 / AC1104 Accounting II
	BE2601 Management in Principles, Skills & Competencies	AC2101 Accounting Recognition and Measurement
	BE3201 Entrepreneurial Finance	AC2105 Accounting for Decision Making and Control
	BF2201 Investments	AC2104 Assurance and Auditing
	BF2206 Wealth Management	AC2301 Principles of Taxation
	BF2207 International Finance	AC2302 Company Law & Corporate Governance
	BF2209 Derivative Securities	AC3102 Risk Reporting & Analysis

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	BF2210 Risk Management of Financial Institutions	AC3103 Accounting Analysis and Equity Valuation
	BF3201 Corporate Finance and Strategy	AC3104 Risk Management, Control and Ethics
	BF3203 Equity Securities	AD1101 Financial Accounting
	BF3204 Financial Modelling	AD2101 Management Accounting
	BF3207 Alternative Investments	BA2201 Actuarial Economics
	BH2601 Strategic HR Management & Consulting	BA2202 Mathematics of Finance
	BH2603 Talent Sourcing & Acquisition	BA2203 Statistical Modeling
	BH2604 Managing & Consulting through Research	BA2204 Models
	BH3301 Employment Law	BA2205 Actuarial Computing
	BH3601 Talent Development & Management	BA2206 Principles of Risk & Insurance
	BH3602 HR Technologies, Metrics & Performance Management	BA3201 Life Contingencies & Demography
	BH3603 Cultural Intelligence at Work	BA3202 Actuarial Statistics
	BH3604 Managing Organisational Change	BA3203 Actuarial Aspects of Asset Valuation
	BL9301 / BL9311 Law of Commerical Transactions	BA3204 Actuarial Management
	BL9302 /BU9302 Law of Intellectual Property & New Media	BA3205 Property & Casualty Insurance
	BL9304 / BL9314 Negotiation & Dispute Resolution	BC0401 Programming for Business Analytics
	BL9305 Advanced Taxation	BC2402 Designing & Developing Databases
	BM2501 Market Behaviour	BC2406 Analytics I: Visual and Predictive Techniques
	BM2502 Market Intelligence	BC2407 Analytics II: Advanced Predictive Techniques
	BM2503 Market Relationships	BC3406 Business Analytics Consulting
	BM2504 Integrated Marketing Communications: A Global Perspective	BC3408 Decision Modelling & Analysis
	BM2505 Market Channels	BC3409 AI in Accounting & Finance
	BM2506 Digital Marketing: Connecting with Customers in Today's World	BF2101 Financial Statement Analysis
	BM2507 Marketing Analytics	BF2211 Global Financial Markets
	BM3501 Marketing Strategy	BF2212 Investment Products
	BM3507 The Global Marketer - Marketing to the World	BF2301 International Tax & Trading Law
	BM3506 Strategic Brand Management	BF3202 Fixed Income Securities
	BR3203 Principles of Enterprise Risk Management	BF3209 Portfolio Management & Analysis
	BR3204 Property and Liability Insurance	BF3210 Issues in Global Financial Markets
	BU8101 Accounting: A User Perspective	BF3211 Commodities Trading & Risk Management
	BU8201 Business Finance	BF4001 Industry Seminar
	BU8241 Money 101	BH2602 Total Rewards Management
	BU8301 Fundamentals of Business Law	BU8341 Practical Ethics - Thinking about Right and Wrong
	BU8401 Management Decision Tools	BR2201 Risk Modeling
	BU8501 Marketing for the 21st Century	BR2202 Insurance Law and Regulations (CII units: P05 and P21)
	BU8502 Marketing Communications: An Integrated Approach	BR2204 Introduction to Financial Risk Management
	BU8542 Social Marketing - Marking the World a Better Place	BR2205 Insurance Practice
	BU8544 Marketing Health: Consumers? Pursuit of Wellness	BR3207 Cyber Risk Management and Insurance
	BU8545 Consumer Neuroscience: How brain Sience is informing	BR3208 Operational Risk Management
	BU8601 Fundamentals of Management	
	BU8641 Cultural Intelligence: How to be an Explorer of the World	
	BU8642 Leadership in the 21st Century	
	BU8644 Smarter Brain? The Science of Decision Making	
	BU9201 Investments	
	BU9302 Law of Intellectual Property & New Media	
		Students are advised to refer to the Nanyang Business School Course Selection and Registration Guidelines for latest update and instruction.

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10	School of Physical & Mathematical Sciences	School of Physical & Mathematical Sciences
	CM8002 Forensic Science	CM2061 Chemistry and Biological Chemistry Laboratory 1 - By permission
	CM8012 Introduction to Forensic Science	CM2062 Chemistry and Biological Chemistry Laboratory 2 - By permission
		CM3061 Chemistry and Biological Chemistry Laboratory 3 - By permission
		CM3062 Chemistry and Biological Chemistry Laboratory 4 - By permission
		CM4071 Honours Project I - By permission
		CM4073 Honours Project 2 - By permission
		CM412S Structural Determination
		CM442S Chemical Kinetics and Dynamics
		CM9001 Conceptual Chemistry with Laboratory
		CM9101 Food Chemistry and Analysis
		MH110S Calculus I
		MH111S Calculus II
		MH1401 Algorithms and Computing I
		MH1402 Algorithms and Computing II
		MH1800 Calculus for the Sciences I
		MH1801 Calculus for the Sciences II
		MH2401 Algorithms and Computing III
		MH2800 Linear Algebra and Multivariable Calculus
		MH310S Real Analysis I
		MH4900 Final Year Project
		MH4920 Supervised Independent Study I - By permission
		MH4921 Supervised Independent Study II - By permission
		MH4930 Special Topics in Mathematics - By permission
		MH8500 Tackling the odds: Inside Statistics
		MH9101 Advanced Investigations in Calculus II - By permission
		MH9201 Advanced Investigations in Linear Algebra II - By permission
		PH114S Mechanics
		PH115S Optics, Vibrations and Waves
		PH116S Electricity and Magnetism
		PH117S Relativity and Quantum Physics
		PH1198 Physics Laboratory IA - By permission
		PH1199 Physics Laboratory IB - By permission
		PH2198 Physics Laboratory IIA - By permission
		PH2199 Physics Laboratory IIB - By permission
		PH2999 Undergraduate Research Experience in Physics I
		PH3199 Physics Laboratory IIIA - By permission
		PH3399 Physics Laboratory IIIB - By permission
		PH3901 Thin Film Technology
		PH3999 Undergraduate Research Experience in Physics II
		PH4411 Introduction to Experimental Particle Physics – By permission (only offered in Sem 1)
		PH4507 Topics in Physics - By permission
		PH4604 Topics in Applied Physics - By permission
		PH8101 Environmental Physics
		PS0001 Introduction to Computational Thinking
		PS0002 Introduction to Data Science and Artificial Intelligence
		PS8001 Defence Science
		PS8002 Entrepreneurship
		PH4505 is phased out and replaced with PH4419.
		MH1401, MH1800 and MH2401 are phased out.

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11	Wee Kim Wee School of Communication & Information	Wee Kim Wee School of Communication & Information
	CS2008 Fundamentals of Research	CS0201 Foundations of Communication Studies
	CS2025 Image and Sound Production	CS0204 Basic Media Writing
	CS2026 Media Presentation and Performance	CS0209 Media Law, Ethics and Policy
	CS2027 Genre and Narrative Strategies	CS2005 Speech and Argumentation
	CS2029 Broadcast Journalism: Concepts and applications	CS2006 Theories of Visual Communication & Their Applications
	CS2031 Creative Strategies	CS2021 News Reporting and Writing
	CS2044 Photojournalism	CS2023 Print and Digital Publication
	CS2056 Psychology and Communication	CS2024 Web Design and Technologies
	CS2058 Integrated Marketing Communication	CS2054 Interpersonal Communication
	CS2300 Acting and Directing for TV and Film	CS2063 Overseas Journalism Practicum
	CS4018 Specialised Journalism: Business and Economics	CS2064 / CS2164 / CS4083 / CS4183 Television Practicum
	CS4024 Writing for Cinema & TV	CS2066 / CS2166 / CS4085 / CS4185 Film Festival Practicum
	CS4029 Advertising, Creativity & Copywriting	CS2067 / CS2167 / CS4086 / CS4186 Communication Research Practicum
	CS4034 Brand Management	CS2068 / CS2168 / CS4087 / CS4187 Online Magazine Practicum
	CS4053 Popular Cinema	CS2071 / CS2171 / CS4091 / CS4191 News Practicum
		CS2073 / CS2173 / CS4093 / CS4193 Overseas Film Festival Practicum
		CS2075 Regional Strategic Communication Management
		CS2088 The Content Lab for Community Management
		CS2101 Public Relations Writing
		CS2073 / CS2173 / CS4093 / CS4193 Overseas Film Festival Practicum
		CS2400 Foundation of Information Analytics
		CS4004 / CS4040 Final Year Project (Spans over 2 Semesters)
		CS4103 / CS4203 Professional Internship
		CS4031 Media Planning and Strategies
		CS4032 Communication Campaigns
		CS4037 Audience Research Methods
		CS4043 Specialised Journalism: Science & Health
		CS4058 Intercultural Communication
		CS4062 Information Society and Policy
		CS4071 Specialised Journalism: Public Affairs
		CS4075 Selected Topics in PR: Evaluating & Producing Campaign Results
		CS4090 Going Overseas for Advanced Reporting
		CS4095 International Strategic Communication Management
		CS4097 Overseas Digital Documentary - ODYSSEE
		CS4262 Social Media and Digital Campaign Management
		CS4268 Google Digitize – Integrated Advertising Strategies
		CS4311 Promoting Sustainability
		CS4540 Tech & Startup Reporting Lab
		CS9080: News Media Lab - Innovating & Exploring New Tools for Digital Media Storytelling
		HD0102 Making Sense of Big Data
12	School of Biological Sciences	School of Biological Sciences
	Semester 1	Semester 1
	BS1001 Introductory Biology	BS0001 Biology & Society
	BS1002 Biophysical Chemistry	BS0004 Introduction to Data Science
	BS1008 Bioinformatics & Biostatistics	BS1003 Organic Chemistry
	BS2001 Physiology	BS1200 Singapore Healthcare System
	BS2002 Microbiology	BS211S Equations of Life

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	BS2003 Biochemistry II	BS2015 Virology
	BS3003 Developmental Biology	BS2100 Molecular and Cell Biology Techniques Level 2
	BS3004 Cancer Biology & Therapy	BS3001 Neurobiology
	BS4002 Current Topics in Cell Biology	BS3014 Biological Foundations of Behavior
	BS4004 Current Topics in Immunology	BS3018 Plant Biology
	BS4015 Plant Biotechnology	BS3023 Regulatory Control of Healthcare Products and Medical Devices
	BS4014 Molecular Basis of Diseases	BS3021 Bioimaging Techniques in EM
	BS4015 Plant Biotechnology	BS3032 Environmental Microbiology
		BS3033 Data Analytics for Biologists
		BS3036 High-Throughput Bioinformatics
		BS3338 UAEB II- Effect of Anti-Mitotic Drugs on Cancer Cells
		BS3342 UAEB II- Role of Actin cytoskeleton regulators in metastasis
		BS3344 UAEB II- Macromolecular X-ray Crystallography
		BS3348 UAEB II- Field Studies in Functional Plant Ecology
		BS3349 UAEB II- Introduction to R programming
		BS4010 Synthetic Biology
		BS4016 Advanced Virology
		BS4210 / BS4020 Final Year Project
		BS8003 Science or Fiction? - Biology in Popular Media
		BS8004 TCM: A Primer Course
		BS9001 Research Experience
		BS8101 DEEP challenges the Biology way
		<i>The following courses are conducted in Chinese</i>
		BS1101 Basics of TCM
		BS2101 Anatomy
		BS2102 Chinese Materia Medica
		BS2103 TCM Diagnostics
		BS3101 Treatise on Exogenous Febrile Diseases
		BS3103 TCM Internship II
		BS3108 Acupuncture and Moxibustion
	Semester 2	Semester 2
	BS1005 Biochemistry I	BS1009 Introduction to Computational Thinking
	BS1006 Principles of Genetics	BS1100 Molecular and Cell Biology Techniques Level 1
	BS1007 Molecular & Cell Biology I	BS211S Equations of Life
	BS2004 Molecular and Cell Biology II	BS0005 One Health
	BS2010 Bioimaging	BS2020 Mathematics, Physics and Basic Programming for the Structural Biologist
	BS2012 Genetics and Genomics	BS3017 Advanced Microbial Pathogenesis
	BS2021 RNA Structures & RNA Based Drug Development	BS3019 Neuropsychology of Stress and Resilience
	BS3006 Bioentrepreneurship	BS3025 NMR in Structural Biology
	BS3012 Functional Genomics and Proteomics	BS3331 Undergraduate Advanced Experimental Biology (UAEB) Workshop (Series I) - Applied Immunology
	BS3012 Functional Genomics and Proteomics	BS3332 Undergraduate Advanced Experimental Biology (UAEB) Workshop (Series I) - Methods in Histology
	BS3013 Drug Discovery and Development Biotechnology	BS3335 Undergraduate Advanced Experimental Biology (UAEB) Workshop (Series I) - Applied Biophysics
	BS3015 The RNA World	BS3336 Undergraduate Advanced Experimental Biology (UAEB) Workshop (Series I) - Proteomics Workshop
	BS3022 Protein Trafficking	BS3339 Undergraduate Advanced Experimental Biology (UAEB) Workshop Series I - Neurobiology

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	BS3028 Natural Products in Medicinal Chemistry	BS3340 Undergraduate Advanced Experimental Biology (UAEB) Workshop Series I - Science of aging and life extension in <i>C. elegans</i>
	BS3030 Telomere Biology: Genome Stability, Cancer and Ageing	BS3347 Undergraduate Advanced Experimental Biology (UAEB) Workshop Series I - Metabolomics and Lipidomics
	BS4018 Protein Homeostasis in Ageing and Disease	BS4205 Good Manufacturing Practice and Sterilisation for Medical Devices
		BS4210/BS4020 Final Year Project
		BS4222 Professional Internship
		BS8001 Human Body Function & Disease
		BS8101 DEEP challenges the Biology way
		<i>The following courses are conducted in Chinese</i>
		BS1102 TCM in Ancient Chinese
		BS2104 Biomedical Pharmacology
		BS2105 Emperor's Canon of Internal Medicine
		BS2106 TCM Formulary
		BS2107 TCM Internship I
		BS3102 Synopsis of the Golden Chamber
		BS3104 Pathology
		BS3106 Seasonal Febrile Diseases
		BS3107 TCM Internship III
13	School of Humanities	School of Humanities
	Division of Chinese	Division of Chinese
		<i>The following courses are conducted in Chinese . Student majoring in Chinese degree can apply subject to school approval</i>
		All HCxxx, HF9xxx, HT9xxx series course code is conducted in Chinese except HC8002 and HC9016.
	Division of English	Division of English
	HL2007 Contemporary Literature and Culture	
	HL2009 Southeast Asian Literature and Culture	
	HL2011 Representations of Asia: Film and Fiction	
	HL2013 British-Asian Literature	
	HL2014 Urban Culture Asia	
	HL4010 Feminist Studies	
	HZ9101 Introduction to Creative Writing	
	Division of History	Division of History
	HH1010 The Unrealized Dream: An Introduction to US History	HH1002 Asia-Pacific in Global History: Pre-1800
	HH2004 The Islamicate World	HH1004 Science and Technology in Historical Perspective
	HH2005 East Asia: Tradition and Modernity	HH3001 Historiography: Theory and Methods
	HH2021 Race, Gender, Class and Colonial Power	HH4011 Slavery and Forced Labour in the Indian Ocean World
	HH3003 Migration and Diaspora: Chinese Experiences in Comparative Perspective	HH4016 Topics in World History
	HH3004 Comparative Business History	HH4021 Public & Applied History
	HH3009 Comparative History of Global Migration	HH4025 History of Disease: Human Evolution, Disease and Health
	HH3018 The Environmental History of Oceans	HH4090 Special Topics in History – Global Asia
	HH3022 World War II and Southeast Asia	HH4091 Special Topics in History – Interdisciplinary History
	HH3027 A History of Modern Indonesia	
	HH3032 Science and Religion in History	

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	Division of Linguistics and Multilingual Studies	Division of Linguistics and Multilingual Studies
	HG2003 Phonetics and Phonology	<u>Sem 1</u>
	HG2012 Cognitive Linguistics	HG4022 Forensic Linguistics
	HG2013 Child Language	HG4041 Theories of Grammar
	HG2020 Language in Society	HG4046 Malay Linguistics 2 - Dialectology & Language Contact
	HG2023 Language and Gender	HG4047 Pragmatic Theory
	HG2034 Structure of Modern English	HG4048 Comparative Chinese Dialectology
	HG2052 Language, Technology and the Internet	HG4049 Semantic Analysis
	HG3005 Statistics for Psycholinguistics	HG4063 Special Topics : Advanced World Englishes
	HG3015 Psycholinguistics	HG4070 Experimental Phonetics
	HG3022 Sociolinguistics of a Region	
	HG3042 Contrastive Linguistics	<u>Sem 2</u>
	HG3046 Language Universals and Language Types	HG4021 Language Shift & Maintenance
	HG4012 Structures of Sign Languages	HG4022 Forensic Linguistics
	HG4020 Languages in Contact	HG4033 Advanced Conversation Analysis
	HG4022 Forensic Linguistics	HG4042 How And Why Languages Differ
	HG4047 Pragmatic Theory	HG4062 Language, Culture & Society in Southeast Asia
	HG4049 Semantics Analysis	HG4071 The Meat of Speech
	HG8001 Language Puzzle: The Study of Human Language	
	Division of Philosophy	Division of Philosophy
	HY0001 Ethics and Moral Reasoning	HY1001 Introduction to Philosophy
	HY2016 Friendship	HY1002 Symbolic Logic
	HY3011 Philosophy of Mind	HY2002 Moral Philosophy
	HY3015 20th Century Continental Philosophy	HY2003 Chinese Philosophy
	HY3021 Philosophy of Race and Gender	HY2012 Early Modern Philosophy
	HY8002 Logic and Critical Thinking	HY3012 / HY3912 Philosophy of Technology
		HY3012 / HY3912 Philosophy of Technology
		HY4002 Knowledge and Reality
		HY4003 Advanced Epistemology
		HY4009 Value Theory
		HY4015 Philosophical Methodologies
		HY4021 Practical Rationality
		HY4130 Special Topics in Philosophy of Science III
	For all courses - Approval still needs to be sought from the respective course coordinator before actual enrolment.	All the 4000-level, is subjected to the approval of the course coordinator
	Centre for Modern Language	Centre for Modern Language
	LA9001 Arabic Languages Level 1	
	LC9001 Chinese Language Level 1	
	LF9001 French Language Level 1	
	LG9001 German Language Level 1	
	LH9001 Hindi Language Level 1	
	LI9001 Italian Language Level 1	
	LJ9001 Japanese Language Level 1	
	LK9001 Korean Language Level 1	
	LL9001 Singapore Sign Language Level 1	
	LM9001 Malay Language Level 1	
	LR9001 Russian Language Level 1	
	LS9001 Spanish Language Level 1	

List of Course Restriction for Exchange/Non-Graduating students

SN	COURSES HIGHLY POPULAR WITH LIMITED VACANCIES	COURSES NOT AVAILABLE TO EXCHANGE STUDENT
	LT9001 Thai Language Level 1	
	LV9001 Vietnamese Language Level 1	
	LX9001 Latin Language Level 1	
	LZ9001 Tamil Language Level 1	
	Language and Communication Centre	Language and Communication Centre
	Semester 1	Semester 1
	HW0105 Academic Communication in the Arts, Humanities and Social Sciences	HW0001 English Proficiency
	HW0128 Scientific Communication I	HW0106 Academic Communication in Chinese Studies I
	HW0188 Engineering Communication I	HW0205 Academic Communication in the Humanities
	HW0288 Engineering Communication II	HW0206 Academic Communication in Chinese Studies II
	HW9018 – Effective communication in the global workplace	HW0207 Academic Communication in Linguistics
		HW0208 Academic Communication in Social Sciences
	Semester 2	HW0209 Academic Communication in the Arts, Design and Media Studies
	HW0128 Scientific Communication I	HW0288 Engineering Communication II
	HW0188 Engineering Communication I	
	HW0205 Academic Communication in the Humanities	
	HW0207 Academic Communication in Linguistics	Semester 2
	HW0208 Academic Communication in Social Sciences	HW0001 English Proficiency
	HW0209 Academic Communication in the Arts, Design and Media Studies	HW0105 Academic Communication in the Arts, Humanities and Social Sciences
	HW0228 Scientific Communication II	HW0106 Academic Communication in Chinese Studies I
	HW0288 Engineering Communication II	HW0206 Academic Communication in Chinese Studies II
	HW9018 Effective communication in the Global workplace	
14	School of Social Sciences	School of Social Sciences
	Division of Economics	Division of Economics
	<i>All HExx series courses are popular</i>	HE0201 The Singapore Economy
	HE2006 International Monetary Economics	HE1001 Microeconomics Principles
	HE2010 Development Economics	HE1002 Macroeconomics Principles
	HE2013 International Trade	HE1003 Basic Mathematics for Economists
	HE2015 Macroeconomic Issues and Policies in Contemporary China	HE1004 Introduction to Statistical Theory and Methods
	HE2020 Survey Methods and Sampling Technique	HE1005 Introduction to Probability and Statistical Inference
	HE3002 Game Theory & Applications to Social Sciences (Not offered in Sem 2)	HE2001 Intermediate Microeconomics
		HE2002 Intermediate Macroeconomics
	HE3003 The Chinese Economy	HE2004 Introductory Econometrics
	HE3004 Health Economics	HE2005 Principles of Econometrics
	HE3007 Financial Economics (Not offered in Sem 2)	HE2007 Money and Banking
	HE3013 Urban Economics (Not offered in Sem 2)	HE2011 Labour Economics & Labour Relations
	HE3014 Economics of Corporate Finance	HE3001 Mathematical Economics
	HE3016 Principles of Mathematical Finance	HE3005 Environmental Economics
	HE4021 Advanced Econometrics (Not offered in AY19-20)	HE3011 Cost-Benefit Analysis
		HE3021 Intermediate Econometrics
		HE4010 Singapore Economy in a Globalized World
		HE4011 Current Topics in Economics
		HE4004 Behavioural Economics
		HE4020 Econometric Time Series Analysis
		Note:
		3 digit course code i.e. HE1XX/HE2XX/HE3XX (4 AUs) are phased out.
		Please apply for the 4 digit course codes i.e. HE2XXX/HE3XXX (3 AUs).

List of Course Restriction for Exchange/Non-Graduating students

SN	COURSES HIGHLY POPULAR WITH LIMITED VACANCIES	COURSES NOT AVAILABLE TO EXCHANGE STUDENT
	Division of Psychology	Division of Psychology
	Semester 1 (subject to changes, if any)	
	HP0201 Employment Relations for Work and Careers in Singapore	HP4002 Qualitative Methods in Psychology
	HP1000 Introduction to Psychology	HP4011 Data Analysis using ANOVA
	HP1100 Fundamentals of Social Science Research	HP4012 Applied Multivariate Methods for Psychological Research
	HP2200 Biological Psychology	HP4021 Laboratory in Human and Animal Neuroscience
	HP2500 Personality and Individual Differences	HP4031 Laboratory in Developmental Psychology
	HP3201 Evolutionary Psychology	HP4041 Laboratory in Social Psychology
	HP3203 Conservation Psychology	HP4051 Laboratory in Personality and Individual Differences
	HP3204 An Ape's Guide to Human Languages	HP4061 Laboratory in Cognitive Psychology
	HP3703 Health Psychology	HP4062 Laboratory in Human Factors
	HP3802 Personnel Psychology	HP4081 Laboratory in Industrial and Organizational Psychology
	HP3806 Consumer Psychology	HP4091 Current Research in Cultural Psychology Professional Courses
	HP3807 Occupational Health Psychology	HP4101 Clinical Psychology
	HP3901 Cultural Psychology	HP4102 Trauma Psychology, Crisis Intervention and Management
	HP8002 Working in the 21st Century	HP4103 The Forensic Psychology of Crime, Terrorism and Disasters
	HP8003 Are You OK? Mental Health in Singapore	HP4104 Evidence Based Practice in Clinical Psychology
	HP8005 Introduction to Human Resource Management	HP4105 Correctional Psychology
	HP8006 Psychology of Crisis Stress Management	HP4106 Mental Health in the Community
	Semester 2 (subject to changes, if any)	
	HP0201 Employment Relations for Work and Careers in Singapore	HP4201 Technology and Social Behaviour
	HP1000 Introduction to Psychology	HP4211 Agent-Based Computational Psychology
	HP1100 Fundamentals of Social Science Research	HP4221 Primate Psychology
	HP2100 Research Design and Data Analysis in Psychology	HP4222 Comparative Physiology of Social Interaction
	HP2300 Developmental Psychology	HP4231 Social and Emotional Development
	HP2400 Social Psychology	HP4232 Development of Self-Regulation
	HP2600 Cognitive Psychology	HP4233 Psychological and Sociomoral Reasoning in Infancy
	HP2700 Abnormal Psychology	HP4241 Interpersonal relations and family studies
	HP3002 Positive Psychology	HP4242 Advanced Topics in Social Cognition
	HP3004 The Psychology of Food and Eating	HP4243 Intergroup relations
	HP3601 Human Memory	HP4251 Psychobiology of Creative Personalities
	HP3702 Child Psychopathology	HP4261 Computational and Cognitive Neuroscience of Vision
	HP3708 Biopsychosocial Criminology	HP4262 Multisensory Integration
	HP3804 Psychological Testing	HP4263 Language in Perception & Thought
	HP3805 Managing Organisational Behaviour	HP4271 Cognitive Neuroplasticity
	HP8002 Working in the 21st Century	HP4272 Neuropsychology
	HP8003 Are You OK? Mental Health in Singapore	HP4273 Introduction to Functional MRI
	HP8005 Introduction to Human Resource Management	HP4274 The Last Dance: Perspectives of Death, Dying & Bereavement
	HP8006 Psychology of Crisis Stress Management	HP4281 Seminar in Selected Topics: Psychology of Leadership
		HP4282 Negotiation and Conflict Resolution
	Division of Public Policy and Global Affairs	Division of Public Policy and Global Affairs
		HA1001 Introduction to International Relations and Foreign Policy
		HA1002 Introduction to Political Theory
		HA1003 Introduction to Public Administration and Policy
		HA1011 Politics of Singapore
		HA1012 Fundamentals of Politics
		HN9010 Singapore: Imagining the Next 50 Years
		Courses at the 2000/3000/4000 level, approval needs to be sought from the course coordinator before actual enrollment.
		Strictly no CORE courses

List of Course Restriction for Exchange/Non-Graduating students

SN	COURSES HIGHLY POPULAR WITH LIMITED VACANCIES	COURSES NOT AVAILABLE TO EXCHANGE STUDENT
	Division of Sociology	Division of Sociology
		HS0201 Contemporary Singapore Society
		HS0301 Environmental Sustainability
		HS1001 Person And Society
		HS1002 Singapore Society In Transition
		HS1003 Singapore Problems In A Global Context
		HS2001 Classical Social Theory
		HS2002 Doing Social Research
		HS3001 Contemporary Social Theory
		HS3002 Understanding Social Statistics
		HS4001 Research Practicum I: Qualitative Social Research
		HS4002 Research Practicum I: Qualitative Social Research
		HS4008 Social Institutions Of Contemporary China
		HS4011 The Self In Southeast Asia
		HS4013 Youth Cultures And Subculture
		HS4015 Sociology Of Reproduction
		HS4016 Social Movements
		HS4019 Body, Self And Society
		HS4021 Postcolonial Sexuality
		HS4022 Sociology Of Islam In The Malay World
		HS4023 Sociology Of Risk And Crisis
		HS4026 Gods, Ghosts And Ancestors: Explorations In Chinese Religions
		HS4027 Cultural Politics of Development and the Environment
		HS4028 Migration and Development in a Globalizing World
		HS4029 Magic, Witchcraft and Shamanism
		HS4030 Social Science Fiction
		HS4080 Selected Topics In Applied Sociology
		HS4090 Special Topics In Current Sociology
		HS4091 Research Practicum I: Qualitative Social Research
		HS4092 Research Practicum I: Qualitative Social Research
		All core courses and HS4000 level courses are strictly not open to exchange students.
15	School of Sports Science & Management	School of Sports Science & Management
	All SS9XXX series courses:	SS2105 Seminars in Current Issues of Sport
	SS9001 Conditioning for Physical Fitness	SS4012 Internship
	SS9002 Principles of Strength Training	SS4011 Final Year Project
	SS9003 Introduction to Pilates Matwork and Hatha Yoga	
	SS9101 Badminton	
	SS9102 Tennis	
	SS9103 Squash	<i>The following courses are open to exchange students only if they show evidence of embarking on similar disciplines at their home university and if they meet pre-requisites (if any)</i>
	SS9104 Basketball	Semester 1:
	SS9105 Volleyball	SS0111 Sport and Culture in Singapore: A Sociological Perspective
	SS9106 Netball	SS1102 Introduction to Sport Management
	SS9107 Table Tennis	SS2104 Sport Marketing and Sponsorship
	SS9202 Soccer	SS3010 Applied Statistics
	SS9203 Hockey	SS3111 Environmental Exercise Physiology
	SS9204 Floorball	SS3113 Applied Sport injuries
	SS9205 Rugby	SS3211 Experimental Biomechanics

List of Course Restriction for Exchange/Non-Graduating students

SN	COURSES HIGHLY POPULAR WITH LIMITED VACANCIES	COURSES NOT AVAILABLE TO EXCHANGE STUDENT
	SS9206 Tchoukball	SS3311 Advanced Topics in Exercise and Sport Psychology
	SS9301 Introduction to Line & Social Dance	SS3411 Motor Control and Learning: Theory to Practice
	SS9302 DanceSport	SS3412 Adapted Physical Activity and Recreation
	SS9303 Introduction to Hip-Hop & its Dances	SS3611 Event and Facilities Management
	SS9304 Introduction to Modern Jazz Dance	SS3612 Human Resource Management in Sport
		SS3613 Legal Aspects in Sport
		SS3614 Sport Media and Communication
		SS3619 Advanced Topics in Sport Marketing and Sponsorship
		SS3620 Sport in Society
		SS3621 Sport Technology, Innovation and Entrepreneurship
		Semester 2:
		SS2106 Physical Activity and Leisure for Special Populations
		SS2107 Research Methods and Design in Physical Activity and Sport
	Sports courses are very popular electives in NTU. All students have to place these courses on waitlist for allocation during the Add/Drop period.	SS2109 Management of Sport Organisations
16	School of Art, Design & Media	School of Art, Design & Media
	DD1003 Introduction to the Histories of Art I	DA1000 Thinking and Communicating Visually I
	DD1004 Introduction to the Histories of Art II	DA2002 Thinking and Communicating Visually II
	DD2000 Introduction to the Histories of Art III	DA3000 Thinking and Communicating Visually III
	DF8000 Survey for Experimental Film	DD0000 Writing Narratives for Creative Media
	DM8001 Web Design	DD0002 The Contemporary Creative and Cultural Industry of Singapore
	DP2000 Photo Imaging I: Black and White Film Photography	DD3012 Research Methods in Art and Design
	DP2001 Digital Photography	DD4000 Final Year Project
	DT2012 Digital Painting	DN1001 Foundation Drawing
	DD2009 Survey of New Media	DN1002 Foundation 2D
	DD2008 Survey of Modern Art 1900-1945	DN1003 Foundation 3D
	DD3010 Issues in Global Contemporary Art	DN1004 Foundation 4D
	DD8008 Faith and Art	DN1009 Graphic Form
	DD8010 Visualisation and Cultural Heritage	DN1010 Experimental Interaction
	DD8012 Contemporary Curating (Must have taken pre-requisite course 'Introduction to Histories of Art')	DN1011 Form and Visualization
	DD9014 Introduction to Museum Studies (Must have taken pre-requisite course 'Introduction to Histories of Art')	DN1012 Black and White Film Photography
	DA2000 Applied Drawing	DN1013 Concept of Digital Imaging
	DA2001 Painting	DN1014 Drawing For Animation
		DN1015 Practical Digital Filmmaking
		DN1016 Visual Storytelling
		DV2008 Interface Design
		The following courses are open to exchange students only if: i) currently studying in any one of the disciplines from Art, Design and Media offered by ADM ii) show evidence of studying similar disciplines at their home university iii) pre-requisites must be met (if any) iv) subject to available vacancies
		DFXXXX - Digital Filmmaking
		DMXXXX - Interactive Media
		DPXXXX - Photography
		DRXXXX - Product Design
		DTXXXX - Digital Animation
		DVXXXX - Visual Communication
		DAXXXX and DDXXXX - Other ADM courses

List of Course Restriction for Exchange/Non-Graduating students

SN	COURSES HIGHLY POPULAR WITH LIMITED VACANCIES	COURSES NOT AVAILABLE TO EXCHANGE STUDENT
17	Career & Attachment Office	Career & Attachment Office
		ML0001 Absolute Basics for Career
		ML0002 Career Power Up!
		ML0003 Kickstart Your Career Success
18	Others (National Institutes Education, NIE)	Others (C N Yang Scholars Programme, Renaissance Engineering Programme, University Scholars Programme)
	All NIE courses with below course code: AAAx, AABx, AACx, AAEx, AAGx,AAHx, AALx, AAUx, ACLx, AEDx, ADPx, AGEx,AGQx	All courses with course code CYXXX (only for NTU C N Yang students)
		All courses with course code RExxxx (only for NTU REP students)
		All courses with course code SPXXX (only for NTU USP students)

Last Updated: 18 September 2019

Disclaimer: The final list of courses to be offered and opened to Exchange/NG students in each semester are subject to changes.