

Applicant: Sarah Priyanka Nelson (33113747)

Program: M.Sc. in Genome Science and Technology (VGMMSC-LE)

Entry period: September 2024

Application comments:

No comments available

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Application form
Resume
Statement of Interest/Intent
Transcripts & Diplomas – Unofficial
eReference (eRef) Responses
Reference Letter

NELSON, SARAH PRIYANKA ()

33113747

Degree Selection

Submission Date: 02/Dec/2023

Campus	Program (VGMMSC-LE)	Academic Year	Term	Term Start
Vancouver	M.Sc. in Genome Science and Technology	2024-2025	W1	Sep 2024

Source of Interest

How did you find out about UBC?
Web Search

Personal and Contact Details

Student Number		Family Name (Surname)		Preferred Name
33113747		NELSON		
Title	Given Name		Middle Name	Former Family Name (Surname)
MISS	SARAH PRIYANKA			

Date of Birth	Gender	Country of Birth	Country of Current Citizenship
23/Oct/1997	Female	Singapore	Singapore
Dual Citizenship	Primary Spoken Language	Other Spoken Language	Visa Type
	English		International Student

Address Line (1 & 2)			
16 SIN MING WALK, #06-01 BISHAN PARK CONDO			
City	Province, State or Region	Postal or Zip Code	Country
SINGAPORE		575568	Singapore

Day Telephone Number	Evening Telephone Number	Email Address
96564726		sarah-p-nelson@hotmail.com

Do you identify yourself as an Aboriginal person of Canada?
Do you identify yourself as a Racialized person?

Academic History

- Applicant indicates that they have only attended post-secondary institution(s) other than UBC.

National University of Singapore (NUS)

Institution Country:	Singapore
Start Date:	01/Aug/2017
End Date (or Expected End):	30/Jun/2021
Program of Study:	Life Science (Biology)
Credential Status	Conferred / Complete
Date Conferred:	30/Jun/2021
Credential Received:	Bachelor (Honours) degree
Awards & Honours received with this degree:	Specialization in Environmental Biology Minor in Aquatic Ecology Completed the NUS Special Programme in Science
Required to withdraw:	No
Self Reported GPA:	
Used for Basis of Admission to UBC:	

GPA Calculations Summary

Calculation Name	Purpose	Date of Calculation	Minimum GPA Req'd	GPA Calculation	GPA Rank	Meets Progrm Requirements	Meets UBC Requirements	First Class Standing?
Life Science (Biology)	Admissions	11/12/2023		4.07		Yes	Yes	Yes

- No **UBC** academic history found for this student number (33113747)

Funding

Standard Questions

Primary Funding

SOURCE of the support	
DOLLAR amount	
Includes TUITION fees?	
WHEN the support will commence	
WHEN the support will end	

SOURCE of the support	Using personal savings (I am currently working), the stipend, and apply for GRA/GTA/GAA positions
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Please indicate the SOURCE(S) of any awards, scholarships, sponsorships or fellowships for which you have applied or will apply.	GSAT rotation scholarship, International Tuition Award
Please indicate the Canadian Dollar amount PER YEAR of support applied for.	first 2 years of study , CAD\$3,200.00
Please indicate the NUMBER OF YEARS of study this support would cover.	2 years
If you do not receive this financial support, will you be able to attend.	Likely
How do you plan to fund your studies?	Using personal savings (I am currently working), the stipend, and apply for GRA/GTA/GAA positions

Experience & Interests

Standard Questions

Areas of Interest

Faculty Members

Andersen, Raymond

Please provide a brief statement of your academic and/or professional goals and how these align with this graduate program.

Please describe any research and/or work experience (including publications, etc.) you've undertaken that is relevant to your proposed field of study.

At my current position as a Senior Research Assistant in Aquaculture, I have assisted with the recent development of immune-related RT-qPCR markers in barramundi which will be used to better understand the progression of Scale Drop Disease Virus from disease-challenge trials conducted in my lab, and I am working on a manuscript for submission as first author.

Program-Specific Questions

Briefly discuss your background in life sciences, including academic, work or other experiences that may assist the admissions committee. Please limit your response to one page.

Prior to my undergraduate degree, I did a 3-month attachment at Nanyang Technological University (NTU), School of Chemical and Biomedical Engineering where I was introduced to several techniques such as plasmid extraction and Western blotting, and a brief introduction into GC-MS for amino acid and fatty acids. As a Life Sciences undergraduate with a minor in Aquatic Ecology at the National University of Singapore (NUS), I took various Life Sciences modules covering the basics of molecular biology and genetics, molecular biology wet-lab techniques, evolutionary biology and comparative genetics, and aquatic ecology. My honors thesis was on temporal and spatial variables affecting ichthyoplankton communities in Singapore's shallow coastal habitats. In my current position as a Senior Research Assistant at James Cook University Singapore, I carry out molecular biology techniques such as DNA and RNA extractions, gel electrophoresis, Polymerase Chain Reaction (PCR) and quantitative PCR.

Briefly discuss your background in quantitative sciences (math, statistics, computer science, engineering, physics) including academic, work or other experiences that may assist the admissions committee. Please limit your response to one page.

During my undergraduate degree in NUS, I took several physics modules related to the understanding of energy conservation and wave functions in atoms, molecules and astronomy. During these modules, I was introduced to coding using Python. I also conducted several undergraduate research projects, and for all projects I collected data and conducted the data analysis using R programming. I continue to use R statistics in my current work as a Senior Research Assistant for aquaculture experiment data.

Referee 1

Name	Dean Jerry
Job Title / Occupation	Professor in Aquaculture, Director of TFI JCUS
Institution / Company / Organization	JAMES COOK UNIVERSITY SINGAPORE (JCUS), TROPICAL FUTURES INSTITUTE (TFI)
Type of Reference	Professional
Address	149 SIMS DR, SINGAPORE 387380 SINGAPORE Singapore
Referee Email / Website	dean.jerry@jcu.edu.au
Telephone #	+61 427799123
Notes to Referees	Thank you for your kind assistance!

Referee 2

Name	Jose A. Domingos
Job Title / Occupation	Associate Professor, Aquaculture
Institution / Company / Organization	JAMES COOK UNIVERSITY SINGAPORE (JCUS), TROPICAL FUTURES INSTITUTE (TFI)
Type of Reference	Professional
Address	149 SIMS DR, SINGAPORE 387380 SINGAPORE Singapore
Referee Email / Website	jose.domingos1@jcu.edu.au
Telephone #	+65 81576889
Notes to Referees	Thank you for your kind assistance!

Referee 3

Name	Dr. Zeehan Jaafar
Job Title / Occupation	Senior Lecturer, Assistant Head of Department, Dep
Institution / Company / Organization	NATIONAL UNIVERSITY OF SINGAPORE, FACULTY OF SCIENCE, DEPARTMENT OF BIOLOGICAL SCIENCES
Type of Reference	Academic
Address	NATIONAL UNIVERSITY OF SINGAPORE BLOCK S3 #05-01 16 SCIENCE DRIVE 4 SINGAPORE 117558SINGAPORE Singapore 117558
Referee Email / Website	jaafarz@nus.edu.sg
Telephone #	+65 96577124
Notes to Referees	Thank you for your kind assistance!

SARAH PRIYANKA NELSON

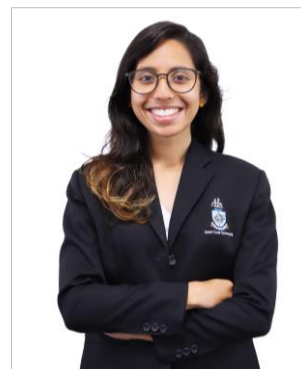
Mobile: +65 96564726

Email: sarah-p-nelson@hotmail.com

Alternative Email: e0235257@u.nus.edu

Nationality: Singaporean

Languages: English (spoken / written), Chinese (spoken / written)



EDUCATION

National University of Singapore

Bachelor of Science with Honours (Distinction) in Life Science with Minor in Aquatic Ecology

August 2017- May 2021

National University of Singapore

Special Programme in Science (SPS)

August 2017- May 2020

University of Toronto

Summer Exchange Programme, Life Science

July 2019 - August 2019

RESEARCH EXPERIENCE

James Cook University Singapore, Tropical Futures Institute

Senior Research Assistant (September 2023 - Present)

Research Assistant (May 2022 – August 2023)

Internship – Aquaculture (August 2021 – January 2022)

Advisors: Associate Professor Jose Domingos, Dr. Shen Xueyan

- Conducting molecular biology laboratory work including DNA & RNA extraction, PCR for disease testing, and qPCR for gene expression
- Collection and maintenance of fish phenotypic records, tissue samples and extracts
- Procurement of equipment, reagents and other consumables needed for both laboratory and animal husbandry work
- Assisting with the planning of experimental designs and execution of approved procedures
- Assisting with the maintenance of aquatic seawater facilities and health of aquatic animals kept in the facility
- Experience working with Asian seabass (*Lates calcarifer*), Malabar Blood Snapper (*Lutjanus malabaricus*) and Vanamei prawns (*Litopenaeus vannamei*)
- Training of students, interns and research assistants in laboratory and administrative tasks
- Project secretarial duties including coordinating major sampling events and meetings, minute taking, and compiling project data
- Supporting international research collaborations by facilitating shipments of biological materials, such as preserved tissues, nucleic acid extracts and viral inoculums, between international research institutes

National University of Singapore, Department of Biological Sciences

Temporary Research Assistant (March 2022 – April 2022)

Internship (May 2021 – February 2022)

Honours Project in Life Sciences, student researcher (August 2020 - May 2021)

Advisors: Dr. Zeehan Jaafar and Dr. Maxine Mowe

- Assisting in the ongoing preparation of two manuscripts for publication
- Collected zooplankton samples using Bongo plankton nets, and collected relevant environmental data
- Sorted and evaluated larval marine fish (ichthyoplankton) samples, and identified general taxonomic groups of marine larval fishes
- Conducted enumeration, imaging, and proper preservation of ichthyoplankton specimens
- Organised field work events in coastal sites around Singapore
- Trained interns, volunteers and new student researchers
- Carried out statistical analysis of collected data using R analytics and scored lower distinction in the written report and presentation to the principal investigators in NUS

National University of Singapore, Department of Biological Sciences

Undergraduate Research Opportunities Program, student researcher (August 2019 - May 2020)

Advisor: Associate Professor Hugh Tan

- Assisted in a green roof project focused on growing medicinal wildflowers, in collaboration with Singapore Housing & Development Board
- Collected data on the growth conditions of selected green roof plants
- Carried out statistical analysis of collected data using R analytics and scored lower distinction in the written report and presentation to the principal investigators in NUS

National University of Singapore, Department of Chemistry

Special Programme in Science, Integrated Science Project, student researcher (August 2018 - December 2018)

Advisor: Associate Professor Chin Wee Shong

- Conducted a green chemistry project focussed on shoe recycling, in collaboration with The Dow Chemical Company
- Conducted trials on chemical separation of different material layers in sports shoes, using solvents targeting the shoe adhesives
- Conducted literature reviews on solvent and adhesive chemistry, and was introduced to Thin-Layer Chromatography (TLC) and Fourier-transform infrared spectroscopy (FTIR)

Nanyang Technological University, School of Chemical and Biomedical Engineering

Food Science and Technology attachment (January 2017- March 2017)

Advisors: Dr. Jaslyn Lee, Professor William Chen

- Shadowed Dr. Jaslyn Lee during her work as a Senior Research Fellow under Professor William Chen
- Provided wet lab assistance in the preparation of samples for GC-MS amino acid and fatty acid profiling, plasmid extraction, fermentation of soybean waste (okara) to produce a medium for culturing yeast, and Western Blotting

INDUSTRY EXPERIENCE

Singapore Aquaculture Technologies (SAT)

Part-time staff – Hatchery department (January 2022 – March 2022)

- Conducted maintenance of aquaculture tanks and other equipment in the SAT offshore farm hatchery department
- Conducted daily husbandry procedures for Asian seabass (*Lates calcarifer*) larvae
- Conducted water quality testing and data collection for larvae growth and health monitoring
- Assisted in daily operations in the hatchery department and other tasks on the farm

National Parks Board (NParks)

Internship – Coastal & Marine Branch, National Biodiversity Centre Singapore (May 2019 - June 2019)

- Carried out planning and administration work for diving courses conducted by the Coastal and Marine branch
- Assisted in daily operations at the National Biodiversity Centre, including conducting wildlife surveys and beach patrols for turtles
- Attended the NParks workshop on basic horseshoe crab and sea turtle identification and beach patrol survey techniques for Biodiversity Beach Patrol
- Contributed to the Festival of Biodiversity '19 community outreach and education activities

AWARDS & NOMINATIONS

EXPLORE Young Marine Scientist Research Award

Marine Science Research and Development Programme, National Research Foundation

July 2020 - June 2021

- Managed research funds of SGD \$1500 for research project “Temporal and spatial variables affecting ichthyoplankton communities in shallow coastal habitats of Singapore”

TECHNICAL SKILLS

Wet lab

- DNA & RNA extraction, PCR, qPCR, Western Blotting

Data analysis proficiency

- R analytics (R programming language)

LEADERSHIP EXPERIENCE

American Chemical Society Student Chapter, National University of Singapore

- Programs Deputy head (Sept 2019 – Aug 2020)
- Welfare Director (Aug 2020 – Jan 2021)

CERTIFICATIONS

Diving Certification

- Certified PADI Open Water Diver: 2104AM2607
- Certified SSI Advance Diver: 765184A6879676540990-MY (certification ID)

Working with Laboratory Zebrafish

Association for Assessment and Accreditation of Laboratory Animal Care, International

Responsible Care and Use of Laboratory Animals (RCULA) Part 1B: Wildlife and Field Studies

National University of Singapore, Comparative Medicine

Responsible Care and Use of Laboratory Animals (RCULA) Part 1C: Fish for Scientific Purposes (RCUF)

National University of Singapore, Comparative Medicine

OTHER INTERESTS

Pottery and resin art, Squash, Board games, Piano, Manga, Trekking

Statement of Intent

I am thrilled to apply for the Masters of Science in Genome Science and Technology program at the University of British Columbia. My profound fascination with biology initially led me to pursue an attachment at the Nanyang Technological University (NTU), School of Chemical and Biomedical Engineering, followed by my Life Sciences undergraduate degree at the National University of Singapore. During this transformative period, my passion for biology flourished, concurrently sparking an interest in genomics and fostering a growing enthusiasm for interdisciplinary studies.

Driven by a burgeoning interest in diverse scientific disciplines, I joined the Special Program in Science at the National University of Singapore. This immersive program offered a unique opportunity to explore a breadth of scientific domains, including chemistry, life sciences, physics, mathematics, and statistics. This holistic education provided my initial exposure to the profound impact of interdisciplinary studies. I discovered the synergies between seemingly distinct fields and how their convergence could unravel complex scientific phenomena. This propelled me to try my hand at a range of student research projects spanning green-chemistry, botany and marine conservation.

Building upon this interdisciplinary foundation, my tenure as a research assistant in Aquaculture further nurtured my fascination with collaborative research. My current project, focused on the selective breeding of fish with enhanced disease resistance, has provided me with invaluable insights into the transformative power of genomics in the realm of Aquaculture research. The field of Aquaculture already combines various technologies from biochemistry and engineering for the optimal rearing of aquatic species, but witnessing firsthand how genomic technologies can bolster selective breeding strategies has been a pivotal experience, highlighting the immense potential of interdisciplinary research in advancing the field.

This experiential exposure has fuelled my desire to further delve into genomic research and contribute to the development of cutting-edge technology in genome sciences. The M.Sc. program in GSAT at the University of British Columbia emerges as the perfect platform to nurture this aspiration.

The program's emphasis on interdisciplinary approaches, particularly across Genomics and Proteomics, Chemical Biology, and Bioengineering, aligns seamlessly with my career trajectory. I am eager to leverage my practical insights gained from the selective breeding project, combined with the interdisciplinary perspective cultivated through my academic journey, to contribute meaningfully to this dynamic program.

My ultimate goal is to harness the interdisciplinary insights gleaned from this program to further my understanding of genomics and its applications in addressing real-world challenges, particularly in the realms of healthcare and resource conservation.

Thank you for considering my application. I am genuinely excited about the prospect of joining the vibrant academic community at the University of British Columbia and embarking on this transformative journey in genome science and technology.

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NATIONAL UNIVERSITY of SINGAPORE

OFFICIAL TRANSCRIPT

NAME: SARAH PRIYANKA NELSON

STUDENT NO: A0176850X

DATE OF BIRTH: 23/10/1997

DATE ISSUED: 02/07/2021

PROGRAMME: BACHELOR OF SCIENCE
PROGRAMME STATUS: COMPLETED PROGRAMME

MODULE	GRADE	CREDITS
LSM2251 ECOLOGY AND ENVIRONMENT	B+	4.00
LSM2252 BIODIVERSITY	A-	4.00
SP3172 INTEGRATED SCIENCE PROJECT	B+	4.00

MODULE	GRADE	CREDITS
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ACADEMIC YEAR 2017/2018 SEMESTER 1

GER1000E	QUANTITATIVE REASONING	S	4.00
GES1003	CHANGING LANDSCAPES OF SINGAPORE	S	4.00
LSM1102	MOLECULAR GENETICS	B+	4.00
LSM1106	MOLECULAR CELL BIOLOGY	S	4.00
SP2171	DISCOVERING SCIENCE	IP	4.00
SP2173	ATOMS TO MOLECULES	S	4.00

BACHELOR OF SCIENCE
CUMULATIVE AVERAGE POINT : 4.00

ACADEMIC YEAR 2017/2018 SEMESTER 2

CM1402	GENERAL CHEMISTRY	B	4.00
GEQ1000E	ASKING QUESTIONS	CS	4.00
LSM1105	EVOLUTIONARY BIOLOGY	B+	4.00
SP2171	DISCOVERING SCIENCE	B	4.00
SP2174	THE CELL	B	4.00
ST1232	STATISTICS FOR LIFE SCIENCES	S	4.00

BACHELOR OF SCIENCE
CUMULATIVE AVERAGE POINT : 3.70

ACADEMIC YEAR 2018/2019 SEMESTER 1

GET1026	EFFECTIVE REASONING	B+	4.00
LSM2191	LABORATORY TECHNIQUES IN LIFE SCIENCES	D+	4.00

BACHELOR OF SCIENCE
CUMULATIVE AVERAGE POINT : 3.65

ACADEMIC YEAR 2018/2019 SEMESTER 2

GEH1045	WORLD RELIGIONS	A	4.00
LSM2253	APPLIED DATA ANALYSIS IN ECOLOGY AND EVOLUTION	B-	4.00
LSM3267	BEHAVIOURAL BIOLOGY	A	4.00
LSM3272	GLOBAL CHANGE BIOLOGY	B+	4.00
SP3176	THE UNIVERSE	B+	4.00

BACHELOR OF SCIENCE
CUMULATIVE AVERAGE POINT : 3.83

ACADEMIC YEAR 2018/2019 SPECIAL TERM(PART 2)

PARTICIPATED IN A SUMMER/WINTER PROGRAMME AT UNIVERSITY OF TORONTO			
CREDITS TRANSFERRED FROM UNIVERSITY OF TORONTO	-		8.00

BACHELOR OF SCIENCE
CUMULATIVE AVERAGE POINT : 3.83

REMARKS:

PLEASE REFER TO THE TRANSCRIPT OF UNIVERSITY OF TORONTO FOR DETAILS OF MODULES TAKEN AND GRADES/CREDITS OBTAINED.

ACADEMIC YEAR 2019/2020 SEMESTER 1

LSM3252	EVOLUTION AND COMPARATIVE GENOMICS	A-	4.00
LSM3254	ECOLOGY OF AQUATIC ENVIRONMENTS	C+	4.00
LSM3288	ADVANCED UROPS IN LIFE SCIENCES I	IP	4.00

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NATIONAL UNIVERSITY of SINGAPORE

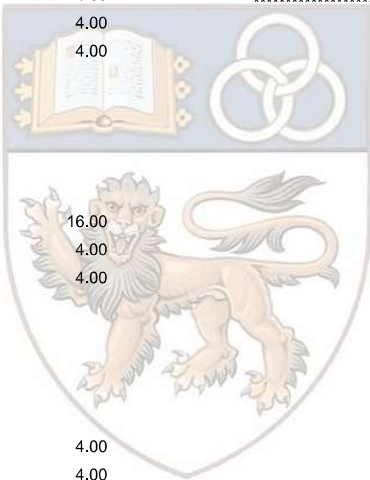
OFFICIAL TRANSCRIPT

NAME: SARAH PRIYANKA NELSON

STUDENT NO: A0176850X

DATE OF BIRTH: 23/10/1997

DATE ISSUED: 02/07/2021

<u>MODULE</u>		<u>GRADE</u>	<u>CREDITS</u>	<u>MODULE</u>	<u>GRADE</u>	<u>CREDITS</u>
LSM4267	LIGHT & VISION IN ANIMAL COMMUNICATION	A-	4.00	CONFERRED/AWARDED THE DEGREE(S)/DIPLOMA(S) OF: BACHELOR OF SCIENCE WITH HONOURS (DISTINCTION) MAJOR: LIFE SCIENCES MINOR: AQUATIC ECOLOGY SPECIALISATION: ENVIRONMENTAL BIOLOGY COMPLETED THE SPECIAL PROGRAMME IN SCIENCE CONFERMENT DATE: 30/06/2021 *****END OF TRANSCRIPT*****		
SP3203	AQUATIC ECOLOGY RESEARCH	B+	4.00			
BACHELOR OF SCIENCE						
CUMULATIVE AVERAGE POINT : 3.84						
ACADEMIC YEAR 2019/2020 SEMESTER 2						
GE2229	WATER AND THE ENVIRONMENT	S	4.00			
LSM3288	ADVANCED UROPS IN LIFE SCIENCES I	A-	4.00			
LSM3289	ADVANCED UROPS IN LIFE SCIENCES II	A-	4.00			
LSM4261	MARINE BIOLOGY	A-	4.00			
SP3175	THE EARTH	A+	4.00			
BACHELOR OF SCIENCE						
CUMULATIVE AVERAGE POINT : 3.98						
ACADEMIC YEAR 2020/2021 SEMESTER 1						
LSM4199	HONOURS PROJECT IN LIFE SCIENCES	IP	16.00			
LSM4259	EVOLUTIONARY GENETICS OF REPRODUCTION	A	4.00			
LSM4260	PLANKTON ECOLOGY	B	4.00			
BACHELOR OF SCIENCE						
CUMULATIVE AVERAGE POINT : 4.00						
ACADEMIC YEAR 2020/2021 SEMESTER 2						
GE2220	TERRESTRIAL AND COASTAL ENVIRONMENTS	S	4.00			
LAH1201	HINDI 1	S	4.00			
LSM4199	HONOURS PROJECT IN LIFE SCIENCES	A-	16.00			
BACHELOR OF SCIENCE						
CUMULATIVE AVERAGE POINT : 4.07						

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, <u>or</u> 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/e-documents.

5th December 2023

Dear Committee Members [Graduate Admissions Programme],

RE: REFERENCE LETTER FOR MS. SARAH NELSON

I am writing in support for the application of Ms. Sarah Nelson for the MSc programme in your department. I have known Sarah for over three years, in my capacity as her academic mentor for a final year research project.

In the three years that I have known Sarah, I have had the opportunity to observe her evolution as a keen student interested in marine sciences, to a mature young woman who is determined to effect positive changes through research. During this time, Sarah had sought opportunities into areas that interests her, including as a research assistant at James Cook University working on mariculture.

Sarah is one of the most intrinsically motivated person I know. Her desire, and drive, to excel in any task is commendable. She takes pride in the work she produces. She exhibits an excellent attitude towards life as she accepts feedback readily and implements these in a thoughtful manner. More importantly perhaps, she is hardworking, compassionate, and considerate. The outcomes of these commendable work ethics can be observed by going over her CV, and realizing the short timeline for her promotion to senior research assistant.

Sarah Nelson is an intelligent, dependable, and dedicated individual who is ready to achieve her lifelong goal to effectively and sustainably steward marine environments. She has my highest recommendation, and I have no doubt that she will excel should the opportunity be presented to her.

Sincerely,



Zeehan JAAFAR PhD
Department of Biological Sciences
14 Science Drive 4
National University of Singapore
jaafarz@nus.edu.sg

29 Nov. 2023

c/o

Associate Professor Ryan Ziels
Department of Civil Engineering
Vancouver Campus
2002 - 6250 Applied Science Lane
Vancouver, BC Canada V6T 1Z4

Dear Dr. Ryan Ziels,

I am writing to endorse Ms Sarah Priyanka Nelson for admission to the Master's program in Genome Science and Technology (GSAT) at the University of British Columbia under your supervision. I have known Sarah since August of 2021, when she accepted to take internship in my laboratory (Aquaculture Applied Breeding and Genetics) at James Cook University Singapore. Given her keen interest and dedication, I offered Sarah a Research Assistant position in May of 2022, when external funding became available.

Sarah has embraced the role of team leader assisting in the hiring, training, and mentoring of new interns, research staff and students in our molecular and aquaculture lab, and has been critical in assisting with data management, organizing field trips (to aquaculture farms) for sample collection, feeding trials, virus infection trials, procurement (and we have two complex web-based systems), staff rostering and problem-solving in general. Her Chinese speaking skills are also a plus when dealing with suppliers who don't speak English. Sarah has assisted with the recent development of immune-related RT-qPCR markers in barramundi which will be used to better understand the progression of Scale Drop Disease Virus from challenge trials, and she is working on a manuscript for submission as first author. Importantly, Sarah gets along well with all the team and is much liked by all lab members. Last September, I promoted Sarah to the position of Senior Research Assistant as she had been performing well above what I expect of my Research Assistants.

Additionally, Sarah assumed the role of project secretary. In this capacity, she has demonstrated exceptional leadership in coordinating and executing collaborative events with various stakeholders (industry and external collaborators), which have been pivotal in achieving significant project milestones. Her ability to navigate time constraints and resource limitations to deliver exceptional results is truly commendable. I am confident that she is well-suited for your laboratory.

I wholeheartedly recommend Sarah as a candidate for your supervision in the GSAT Master's program. If you have any questions or require additional information about Sarah, please do not hesitate to contact me

Sincerely,



A/Prof Jose Domingos