



NATIONAL UNIVERSITY OF SCIENCES AND TECHNOLOGY

ACADEMIC TRANSCRIPT (Postgraduate)

Name: Didar Murad
Degree: Doctor of Philosophy
Campus: School of Interdisciplinary Engineering and Sciences, Islamabad

Registration No: 00000322238
Date of Award: 29 October 2025
Date of Issue: 18 December 2025

COURSE CODE	TITLE	CRs	GRADE	GPs
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1st Semester (02 September 2019 – 03 January 2020)

BI-851	Computational Immunology	—	C+	—
CSE-883	Data Analysis and Statistics	—	C+	—
Sem Cr: 00.00		Sem GPA: 0.00		

2nd Semester (20 January 2020 – 15 August 2020)

CSE-881	Applied Mathematics for Computational Science and Engineering	3.0	A	12.00
CSE-887	Computing for Computational Science and Engineering	3.0	A	12.00
Sem Cr: 06.00		Sem GPA: 4.00		

3rd Semester (19 October 2020 – 26 February 2021)

PI-851	Computational Immunology – Repeated	3.0	A	12.00
CSE-845	Applied Machine Learning	3.0	A	12.00
CSE-880	Computational Linear Algebra and Optimization	3.0	B+	10.50
CSE-883	Data Analysis and Statistics – Repeated	3.0	B	09.00
Cum Cr: 18.00		Cum GPA: 3.75		

Doctoral Research Work (21 September 2021 – 29 October 2025)

CSE-999	PhD Thesis	30.0	Qualified	
Cum Cr: 48.00		Cum GPA: 3.75	Status: Degree Conferred	

Discipline: Computational Science and Engineering

Dissertation Title:

Modeling and Analysis of SARS-CoV-2-Induced Complement and Hemostatic Systems Using Computational Approaches.

Director of Dissertation:

Dr Rehan Zafar Paracha
School of Interdisciplinary Engineering and Sciences
National University of Sciences and Technology
Islamabad, Pakistan

Doctoral Research Evaluators:

Dr Brian Ingalls
Department of Applied Mathematics,
University of Waterloo,
Waterloo, Ontario, N2L 3G1, Canada.

Dr Jan Baumbach
Faculty of Mathematics, Informatics and Natural Sciences,
University of Hamburg,
22607 Hamburg, Germany

Dr Aamira Tariq
Department of Bioscience,
COMSATS University,
Islamabad, Pakistan

Dr Humaira Nadeem
Riphah Institute of Pharmaceutical Sciences,
Riphah International University, Islamabad, Pakistan

Qualifying Examination: Completed on 20 September 2021
Final Oral Examination: Completed on 29 October 2025
Doctor of Philosophy: Granted on 29 October 2025

-----END OF TRANSCRIPT-----

COURSE CODE	TITLE	CRs	GRADE	GPs
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Controller of Examinations

ACADEMIC TRANSCRIPT (PG COURSES)

A transcript is official when it bears the signatures of the Controller of Examinations with the embossed University seal.

COURSE NUMBERING SYSTEM

500-799	PG Courses
800 & above	Advanced PG Courses

CREDITS

Courses at NUST are offered on semester basis. One credit normally requires one contact hour a week in class or 2 to 3 contact hours a week of laboratory work per semester.

GRADE-POINT AVERAGES

GPs for each course are determined by multiplying the numerical grade with the number of credits for the course.

Minimum Cum GPA required for graduation from the University is 3.00 for MS/ME/MPhil/MSIT/MBA/EMBA and 3.50 for PhD (all disciplines).

Cum GPA appears on the transcript after each semester. To compute the Cum GPA, divide the total grade points earned for all semesters by the total credits carried for those semesters.

CURRENT GRADING SYSTEM

Letter Grade Numerical Grade

A
B+
B
C+
C
F
I
W
Q
XF

Rs.1000



HIGHER EDUCATION COMMISSION
PAKISTAN



4488692

MEDIUM OF INSTRUCTION

Medium of instruction/examination at NUST is English

SYMBOLS USED

CR	Credit	GPs	Grade Points
CRs	Credits	Cum	Cumulative
GPA	Grade Point Average	PG	Postgraduate
I	Incomplete	W	Dropped
Q	Qualified	XF	F on Shortage of Attendance

REPEATING / IMPROVEMENT POLICY

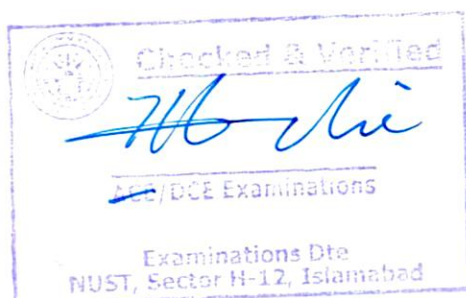
A student is allowed to clear 'F' grade through repeat only and will be awarded new earned grade.

A student can improve his CGPA by repeating maximum of three courses for MS/ME/MPhil/MSIT/PhD, four courses for MBA and five courses for EMBA apart from clearance of 'F' grade if any, during his/her entire degree programme in which he/she received the grade 'C' or 'C+' (MS/ME/MPhil/MSIT/MBA/EMBA) or 'C', 'C+' or 'B' (PhD).

Note: In case QR code is not searchable/scanned through QR code scanner, please search/type student QR Encrypted code mentioned under QR code box on NUST portal at: <https://onlineverification.nust.edu.pk/mvdoc.aspx> and get the credentials verified.

NATIONAL UNIVERSITY OF SCIENCES AND TECHNOLOGY (NUST)

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Serial No: 001140

Registration No: 00000322238

National University of Sciences & Technology Pakistan



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Be it known that DIDAR MURAD S/O SULTAN MURAD
having completed all the requirements for the degree of

Doctor of Philosophy

and having been recommended by the Doctoral Defence Committee
has been awarded that degree with all the rights, privileges and
honours thereunto appertaining.

In witness whereof, we have hereunto affixed our signatures
and the seal of the University


Controller of Examinations



Rector 

Dated: 29 OCTOBER 2025

