

172 St. George Street Toronto, Ontario, Canada M5R OA3

How to Authenticate This Official PDF Transcript

This official PDF transcript has been transmitted electronically to the recipient, and is intended solely for use by that recipient. It is not permissible to replicate this document or forward it to any person or organization other than the identified recipient. Release of this record or disclosure of its contents to any third party without written consent of the record owner is prohibited.

This official transcript has been digitally signed and therefore contains special characteristics. This document will reveal a digital certificate that has been applied to the transcript, and for optimal results, we recommend that this document is viewed with the latest version of Adobe® Acrobat or Adobe® Reader. This digital certificate will appear in a pop-up screen or status bar on the document, display a blue ribbon, and declare that the document was certified by the University of Toronto, with a valid certificate issued by Global-Sign CA for Adobe®. This document certification can be validated by clicking on the Signature Properties of the document.



The Blue Ribbon Symbol: The blue ribbon is your assurance that the digital certificate is valid, the document is authentic, and the contents of the transcript have not been altered.



Invalid: If the transcript does not display a valid certification and signature message, reject this transcript immediately. An invalid digital certificate display means either the digital signature is not authentic, or the document has been altered. The digital signature can also be revoked by the transcript office if there is cause, and digital signatures can expire. A document with an invalid digital signature display should be rejected.



Author Unknown: Lastly, one other possible message, Author Unknown, can have two possible meanings: The certificate is a self-signed certificate or has been issued by an unknown or untrusted certificate authority and therefore has not been trusted, or the revocation check could not complete. If you receive this message make sure you are properly connected to the internet. If you have a connection and you still cannot validate the digital certificate on-line, reject this document.

The current version of Adobe® Reader is free of charge, and available for immediate download at http://www.adobe.com.

ABOUT PARCHMENT: Parchment is an academic credential management company, specializing in delivery of official electronic credentials. As a trusted intermediary, all documents delivered via Parchment are verified and secure.

Learn more about Parchment at www.parchment.com





TRANSCRIPT OF CONSOLIDATED ACADEMIC RECORD

TORONTO, ONTARIO, CANADA

Page 1 of 2

Mali, Utkarsh Vidyadhar NAME:

Utkarsh Mali ISSUED TO:

2022-06-28 RECORD AS OF: STUDENT NUMBER: 1004713232

870182698

BIRTH DAY/MONTH: 21/08

REGISTRATION HISTORY

2018 Fall - 2022 Winter: Faculty of Arts and Science

GRADUATION SUMMARY

HONOURS BACHELOR OF SCIENCE CONFERRED - JUNE 2022 WITH HIGH DISTINCTION

Faculty of Arts and Science

Completed - 2022 Winter - SPECIALIST - PHYSICS Completed - 2022 Winter - MINOR - MATHEMATICS

2021 Winter-Dean's List Scholar 2022 Winter-Dean's List Scholar

CRS CODE	TITLE	WGT	
BIO1***	Transfer Credit - Equivalent 130 (BR=4)	0.50	<u> </u>
BIO1***	International Baccalaureate Higher Level Transfer Credit - Equivalent (BR=4) International Baccalaureate Higher Level	0.50	
PHY1***	Transfer Credit - Equivalent 131 (BR=5) International Baccalaureate Higher Level	0.50	UNIVER
PHY1***	Transfer Credit - Equivalent 132 (BR=5) International Baccalaureate Higher Level	0.50	TORO
C 1:1	International Baccalaureate Higher Level		

Credits earned: 2.00

2018 FALL - 1ST YEAR STUDIES IN MATH & PHYS SCIENCES - VICTORIA COLLEGE

SESSIONAL	GPA: 3.00	CUMULATIVE GPA: 3.00					
CRS CODE	TITLE		WGT	MRK	GRD	CRS AVG	
MAT137Y1	Calculus!		1.00		IPR		
PHY151H1	Found Physic	es I	0.50	76	В	C+	
VIC172Y1	Physl Science	es Today	1.00		IPR		
VIC173Y1	Phil Sci for P	PhysSci	1.00		IPR		

Credits earned: 0.50

2019 WINTER - 1ST YEAR STUDIES IN MATH & PHYS SCIENCES - VICTORIA COLLEGE

SESSIONAL GPA: 3.40 ANNUAL GPA: 3.36 CUMULATIVE GPA: 3.36 STATUS: IN GOOD STANDING

CRS CODE	TITLE	WGT	MRK	GRD	CRS AVG	
MAT137Y1	Calculus!	1.00	71	B-	C+	
MAT223H1	Linear Algebra I	0.50	72	B-	С	
PHY152H1	Found Physics II	0.50	80	Α-	C+	
VIC172Y1	Physl Sciences Today	1.00	87	Α	А-	
VIC173Y1	Phil Sci for PhysSci	1.00	80	Α-	B+	

Credits earned: 4.00 Successfully completed

Vic One Program (Schawlow Stream).

2019 FALL - BACHELOR'S DEGREE PROGRAM - VICTORIA COLLEGE

SESSIONAL GPA: 3.60 CUMULATIVE GPA: 3.43					
CRS CODE TITLE	WGT	MRK	GRD	CRS AVG	
MAT237Y1 Advanced Calculus	1.00		IPR		
MAT244H1 Ordinary Diff Equat	0.50	81	Α-	В	
PHY224H1 Practical Physics I	0.50	90	A +	Α-	
PHY254H1 Classical Mechanics	0.50	82	A-	C+	
PHY256H1 Intro Quantum Physic	0.50	73	В	C+	
Credits earned: 2.00					

2020 WINTER - BACHELOR'S DEGREE PROGRAM - VICTORIA COLLEGE

In the 2019-20 academic year, the University of Toronto was affected by the global COVID-19 pandemic. Instructional methods were modified and some students were graded on the University's approved Credit/No Credit scale for courses completed in Winter 2020.

For more information, see:

http://www.transcripts.utoronto.ca/guide

SESSIONAL GPA: 3.40 ANNUAL GPA: 3.49 CUMULATIVE GPA: 3.42 STATUS: IN GOOD STANDING

CRS CODE	TITLE	WGT	MRK	GRD	CRS AVG	
CSC148H1	Intro to Comp Sci	0.50	81	A-	B+	
MAT224H1	Linear Algebra II	0.50		CR	В-	
MAT237Y1	Advanced Calculus	1.00	73	В	C+	
PHY250H1	Electricity & Mag	0.50	77	B+	В-	
PHY252H1	Thermal Physics	0.50	93	A+	B+	

Credits earned: 3.00

2020 FALL - BACHELOR'S DEGREE PROGRAM - VICTORIA COLLEGE SESSIONAL CDA+3.48 CLIMITI ATTIVE CDA+3.43

JEJJIONAL	GrA. 3.40	COMOLATIVE GIA.	J. 4 J				
CRS CODE	TITLE		WG	T MRK	GRD	CRS AVG	
CSC207H1	Software Des	sign	0.50	85	Α	B+	
MAT334H1	Complex Var	iables	0.50	86	Α	В	
PHY350H1	Electromagne	etic Theory	0.50	0 60	C-	C	
PHY356H1	Quantum Me	chanics I	0.50	81	Α-	В-	
PHY407H1	Computation	al Physics	0.50	93	A+	B+	

Credits earned: 2.50

2021 WINTER - BACHELOR'S DEGREE PROGRAM - VICTORIA COLLEGE

SESSIONAL GPA: 3.94 ANNUAL GPA: 3.71 CUMULATIVE GPA: 3.53

STATUS: IN GOOD STANDING

CRS CODE	TITLE	WGT	MRK	GRD	CRS AVG	
APM346H1	Partial Diffl Equat	0.50	94	A+	В	
PHY324H1	Practical Physics II	0.50	92	A+	B+	
PHY354H1	Adv Classical Mechan	0.50	81	A-	В-	
PHY408H1	Time Series Analysis	0.50	91	A+	В	
STA237H1	Prob Stat Data I	0.50	85	Α	C+	

Credits earned: 2.50

2021 FALL - BACHELOR'S DEGREE PROGRAM - VICTORIA COLLEGE

SESSIONA	L GPA: 3.93	CUMULATIVE GPA: 3.58					
CRS CODE	TITLE		WGT	MRK	GRD	CRS AVG	
CSC311H1	Intro Machi	ne Learning	0.50	82	A-	B+	
PHY424H1	Advanced P	hysics Lab	0.50	87	A	B+	
PHY456H1	Quantum M	echanics II	0.50	88	Α	В	
PHY483H1	Relativity T	heory I	0.50	96	A +	А-	
- 1-	1						

Credits earned: 2.00



TRANSCRIPT OF CONSOLIDATED ACADEMIC RECORD

TORONTO, ONTARIO, CANADA

Page 2 of 2

Mali, Utkarsh Vidyadhar NAME

ISSUED TO: Utkarsh Mali

2022-06-28 RECORD AS OF: STUDENT NUMBER: 1004713232 870182698 OEN:

BIRTH DAY/MONTH: 21/08

2022 WINTER - BACHELOR'S DEGREE PROGRAM - VICTORIA COLLEGE SESSIONAL GPA: 3.90 ANNUAL GPA: 3.91 CUMULATIVE GPA: 3.60

STATUS: IN GOOD STANDING

WGT MRK GRD CRS AVG CRS CODE TITLE AST320H1 Intro Astrophysics 0.50 90 B-PHY450H1 Relativistic Electrodynamics 0.50 82 В-PHY484H1 Relativity Theory II 0.50 85

Credits earned: 1.50

Angelique Saweczko University Registrar

End of Transcript

In cases where the NCR grade is used in calculating grade point averages, the symbol NC% is used and a grade point value of 0.0 is assigned.

Other Symbols and Notations:

Additional course, taken for credit. Included in grade point averages. (note: the following symbols are not used in calculating grade point averages.)

AEG Aegrotat standing granted on the basis of term work and medical or similar evidence.

Course credit granted.

DNW Did not write/did not attend/did little work.

EXT Extra course, not for credit. Grade withheld pending review.

GWR Incomplete. INC

IPR

In progress.

(IPR will also appear if the course has not yet started or the course has finished but an

approved grade is not yet available.)
Late withdrawal without academic penalty.

LWD No grade available. NGA

SDF Standing deferred on the basis of incomplete course work because of medical or similar

reasons.

WDR Withdrawn without academic penalty.

XMP Exemption granted on the basis of credit for work done elsewhere. Course credit granted.

Candidacy Achieved

A student who has completed all program requirements for the PhD degree exclusive of thesis research will be considered a candidate in the School of Graduate Studies.

University of Toronto Guide to Transcript

Effective Se	ptember 1998
	Undergraduate

	Undergraduat	e Grade Scale		Graduate Grade Scale	
Grade Meanings	Refined Letter Grade Scale	Numerical Scale of Marks	Grade Point Value	Truncated Letter Grade Scale	Numerical Scale of Marks
Excellent	A+ A A-	90 – 100% 85 – 89% 80 – 84%	4.0 4.0 3.7	A+ A A-	90 – 100% 85 – 89% 80 – 84%
Good	B+ B B-	77 – 79% 73 – 76% 70 – 72%	3.3 3.0 2.7	B+ B B-	77 – 79% 73 – 76% 70 – 72%
Adequate	C+ C C-	67 – 69% 63 – 66% 60 – 62%	2.3 2.0 1.7		
Marginal	D+ D D-	57 – 59% 53 – 56% 50 – 52%	1.3 1.0 0.7		
Inadequate	F	0 – 49%	0.0	FZ	0 – 69%

Approved grade scales that are outside the standard system:

A passing mark in the Faculty of Dentistry, Faculty of Medicine, and the Faculty of Nursing is 60%. H (Honours), P (Pass), FL (Failure),

HH (High Honors), H (Honours), P (Pass), LP (Low Pass), F (Fail)

The Faculty of Law J.D. program used the following grade scale between Fall-1998 and Fall-2012: A:80-100 (Excellent); B+:75-79 (Good); B:70-74 (Good); C+:65-69 (Adequate);

C:60-64 (Adequate); D:50-59 (Marginal); F:below 50 (Inadequate).

In cases where the FL grade is used in calculating grade point averages, the symbol FL% is used and a grade point value of 0.0 is assigned.

CR (Credit), NCR (No Credit).

Averages Information:

The following types of averages may appear:

GPA Grade Point Average*

(*for CTEP programs, the GPA does not include performance in B.Ed. Courses) ACCA GPA on the Academic Activity Component of the Bachelor of Physical Health and

Education

CICA GPA on the Curriculum and Instruction Component of the Bachelor of Education and

Diploma in Technical Education

CTPA GPA on the Bachelor of Education Activity Component of the Concurrent Teacher

Education Program

FNCA GPA on Foundations Component of the Bachelor of Education and Diploma in Technical

Education

PACA GPA on the Physical Activity Component of the Bachelor of Physical and Health

Education

PERS Percentage Average

ACCUM. AVG

Accumulated Average

Awards Information:

Academic awards information is not listed on University of Toronto transcripts. Academic Sessions:

Fall Session (September – December) Winter Session (January - April)

Summer Session (May - August)

Course Credits:

A course with a weight of 1.00 equals 6 semester hours.

Course Average:

Course average is shown for undergraduate courses with a size of 12 or more and is expressed as a letter grade corresponding to the refined letter grade scale. The symbol "*" is used to indicate an undergraduate course with fewer than 12 students. A"blank" is used to indicate that a course average has not been calculated.

– End of Guide –