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OFFICE OF THE REGISTRAR

CALGARY, ALBERTA, CANADA

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TRANSCRIPT OF ACADEMIC RECORD

Name: Hemanto Bairagi Student ID: 30030922 Birthdate: Mar 01

Print Date: 2025-10-12



										Spring 2017				
							A CONTRACTOR OF THE PARTY OF TH		1	Opining 2017				
redential:	Bachelor of Science (Honours)	Credential Awarded					Program:	Bachelo	Bachelor or of Science (Deg ysics (Major)	ree Stream)				
onferral:	2021-02-12							7.00.00	Olor 1000					
	Major: Astrophysics Major: Physics						Course		Description		Attempted	Earned	Grade	Poin
								311	Linear Method		3.00	3.00	B+	9.9
							Term GPA:		3.30	Term Totals:	3.00	3.00		9.
	Begir	nning of Undergraduate Progra	ams Record	VICE TO GREAT						Fall 2017				
		里沙里					Program:	Science	Bachelor					
Fransfer Cre	edit from Athabasca University er Units: 6.000	Transfer Credits					Trogram.	Bachelo	r of Science (Deg ysics (Major)	ree Stream)				
							Course		Description		Attempted	Earned	Grade	Poi.
		Test Credits					ASPH	307	Intro to Observ	vational ASPH	3.00	3.00	B+	9.
otal Transf	er Units: 6.000							375 341	Diff Equations Classical Med		3.00 3.00	3.00	C B+	6. 9.
							PHYS	375	Introduction to	Optics & Waves	3.00	3.00	C+	6.
		Fall 2016						397	Applied Physic		3.00	3.00	A-	11.
181	Science Backsler	10000000000000000000000000000000000000					Term GPA:		2.92	Term Totals:	15.00	15.00		43.
Program:	Science Bachelor Bachelor of Science (Degree Stre Astrophysics (Major)	am)								Winter 2018				
							Program:	Science	Bachelor					
Course ARKY 2	Description 201 Introduction To Archae	oology Carlo	Attempted 3.00	Earned 3.00	<u>Grade</u> B	9.000	1 Togram.	Bachelo	r of Science (Deg	ree Stream)				
GERM 2	202 German I		3.00	3.00	A-	11.100		Astroph Physics	ysics (Major) (Major)					
	Calculus for Engineers Classical Physics	s & Scie	3.00 3.00	3.00	B B	9.000 9.000								
							Course		Description	さん ////2/ \せい\\ 、日 //////	Attempted	Earned	<u>Grade</u>	Poi
Term GPA:	3.17	Term Totals:	12.00	12.00		38.100	CHEM :	203 ignation:	Gen CHEM:CI Extra to Degre		3.00	3.00	В	9.1
								204 377	German II Vector Calc fo	r Eng & Scie	3.00	0.00 3.00	W A-	11.
		Winter 2017					PHYS :	325	Modern Physic	cs o	3.00	3.00	Α	12.
Program:	Science Bachelor Bachelor of Science (Degree Stre	am)					PHYS :	343	Classical Mec	nanics II	3.00	3.00	В-	8.
	Astrophysics (Major)	(alli)					Term GPA:		3.35	Term Totals:	12.00	12.00		40.
Course	Description		Attempted	Earned	<u>Grade</u>	<u>Points</u>								
	213 Introduction To Astrop		3.00	3.00	B+	9.900				Spring 2018				
	217 Intro CPSC Multidisc S 211 Linear Methods I	Study I	3.00 3.00	0.00 3.00	D+ C	6.000	Program:		Bachelor or of Science (Deg	roo Stroom)				
	277 Multivariable Calc Eng 255 Electromagnetic Theo		3.00 3.00	3.00	B- A	8.100 12.000		Astroph	ysics (Major)	ice direally				
erm GPA:	2.66	Term Totals:	15.00	12.00		39.900		Physics						
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								217 201	Intro CPSC M Principles Of M	ultidisc Study I Microeconomics	3.00 3.00	3.00 3.00	B+ A	9.9 12.0



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TRANSCRIPT OF ACADEMIC RECORD

Name: Student ID: Birthdate:

Hemanto Bairagi 30030922

Print Date:

Mar 01 2025-10-12



			Summer 2018												
rogram:		of Science (Degree Stream) sics (Major)								ce - Honours (Degree S	Winter 2020 tream)				
ourse		Description Description		Attempted	<u>Earned</u>	<u>Grade</u>	<u>Points</u>		Astrophysics (Major) Physics (Major)	or) II O II					
ECON PHIL	203 377	Principles Of Macroeconor Elementary Formal Logic	mics	3.00 3.00	3.00 3.00	B B	9.000 9.000	Course	Descr	iption		Attempted	i Earned	<u>Grade</u>	Point.
erm GPA	4 : 0	3.00 Te	rm Totals:	6.00	6.00		18.000	ASPH 40 ASPH 50 PHYS 45	09 HighEr	Structure & Evolution lergyAstrophys&Cosmo cal Mechanics II	logy	3.00 3.00 3.00	3.00	CR CR B+	9.90
			Fall 2018					PHYS 50 PHYS 59		rs Research Thesis		3.00 6.00		A CR	12.00
Program:	Bachelor	of Science (Degree Stream) sics (Major)						Term GPA: Dean's List - F	3.65 Faculty of Science	Term	Fotals: - End of Transcript	18.00	18.00		21.90
ourse		Description Description		Attempted	Earned	<u>Grade</u>	<u>Points</u>								
ASPH MATH PHYS	401 433 449	Galactic Astrophysics Mathematical Methods Phy Statistical Mechanics I	vsics	3.00 3.00 3.00	3.00 3.00 3.00	A- A A-	11.100 12.000 11.100								
HYS erm GPA	455	Electromagnetic Theory II 3.60 Te	rm Totals:	3.00	3.00	B	9.000								
Program:	Bachelor	of Science (Degree Stream) sics (Major)	Winter 2019												
ourse		<u>Description</u>		Attempted	<u>Earned</u>	<u>Grade</u>	<u>Points</u>								
ASPH PHYS PHYS PHYS	503 381 443 457	The Interstellar Medium Computational Physics I Quantum Mechanics I Electromagnetic Theory III		3.00 3.00 3.00 3.00	3.00 3.00 3.00 3.00	B+ A- A- B-	9.900 11.100 11.100 8.100								
PHYS	497	Applied Physics Laboratory		3.00	3.00	A-	11.100								
erm GPA	A:/5/	3.42 Te	rm Totals:	15.00	15.00		51.300								
			Fall 2019												
	Science	Bachelor	e Stream)												
Program:	Bachelor	of Science - Honours (Degre sics (Major) Major)													
ourse	Bachelor Astrophy Physics (sics (Major) Major) <u>Description</u>		Attempted	<u>Earned</u>	<u>Grade</u>	<u>Points</u>								
Program: Course PHYS PHYS PHYS PHYS PHYS	Bachelor Astrophy	sics (Major) Major)		Attempted 3.00 3.00 3.00 3.00 3.00	Earned 3.00 3.00 3.00 3.00 0.00	Grade A- A+ A- A MT	Points 11.100 12.000 11.100 12.000								



UNIVERSITY OF CALGARY

RECOGNIZED STANDARD

The University of Calgary, established under the Statutes of the Province of Alberta, is a member of the Association of Commonwealth Universities and of the Association of Universities and Colleges of Canada.

THE ACADEMIC YEAR

In May 1973 the University began operating under a four session organization. The length of sessions, exclusive of the examination periods, are:

Fall: September to December (13 weeks)

Winter: January to April (13 weeks)
Spring: May to June (6 to 7 weeks)
Summer: July to August (6 weeks)

Courses offered during the Spring/Summer carry the same weight as if offered in the Fall/Winter Sessions.

Prior to Spring 1973 the University conducted a Winter Session of 2 thirteen week terms and Summer Session of 6 weeks during the academic year (July 1-June 30).

In January 2007, the University replaced the word Session with Term.

COURSE NUMBERING

Courses at the freshman level (immediately following Grade 12) are generally numbered in the 100's and 200's, senior courses 300's and 400's and upper level undergraduate courses 500's. Graduate courses may be 500's, 600's and 700's. In certain upper level undergraduate and graduate level courses, a decimal system may be used to identify different subject matter which may change from year to year but with the same course title and the same basic three digit number. There are also courses numbered 001-099 which are not restricted to a particular level of study.

Since July 1971 all even numbered courses denote full courses normally offered for 26 weeks over the Fall/Winter Sessions and all odd numbered courses denote half courses or less normally offered over 1 thirteen week session. Effective July 2003, this distinction was removed.

Effective July 1983, some courses numbered in the 100's may not have been counted toward degree requirements. Prior to this date, certain 100 level courses could be counted toward degree requirements in some programs.

EXPLANATION OF CODES

In January 2007, the University adopted a framework of course weights, as follows:

Earned - Course Weight: 6 = Full Course, 3 = Half Course, 1.5 = Quarter Course, .75 = Eighth Course.

This change was applied retroactively to all courses offered in previous years.

CREDIT/FAII

Information about student performance in programmes where all or most courses are credit (CR) graded, (also known as pass/fail), may be obtained by contacting the faculty offering the programme.

Grading System - Effective September 1975

Undergraduate and Graduate Grading

	Grade Point	
<u>Grade</u>	Value (GPV)	Description
A+	4.0	Outstanding performance
Α	4.0	Excellent
A-	3.7	Approaching excellent performance
B+	3.3	Exeeding good performance
В	3.0	Good performance
B-	2.7	Approaching good performance
C+	2.3	Exceeding satisfactory performance
С	2.0	Satisfactory performance
C-	1.7	Approaching satisfactory performance
D+	1.3	Marginal Pass
D	1.0	Minimal pass
CR		Completed requirements
F	0	Failure
I	0	Incomplete

Symbols:

• ,	
SGR	Supplemental granted
AE	Aegrotat standing
AU	Auditor
X	Grade not reported
DFT	Deferred term work
DFE	Deferred final examination
SFE	Special deferred final examination
RTW	Required to Withdraw
W	Withdrew
RMW	Remedial work required
MT	Multi term
GP	Grade pending
1	Incomplete
EW	Extenuating circumstance withdraw
IP	In progress/future registration

PRIOR TO SEPTEMBER 1975

Undergraduate & Graduate Grading			Graduate Grading only (Effective Sept. 1973) - in courses numbered 600 or higher						
	Grade A+	Grade Point Value 4	<u>Grade</u> A+	Grade Point <u>Value</u> 4	<u>Description</u> Outstanding				
	Α	4	Α	4	Excellent				
	A-	4	A-	3.70	-				
	B+	3	B+	3.30	Good				
	В	3	В	3	Satisfactory				
	B-	3	B-	2.70	-				
	С	2	С	2	Fail				
	D	1	D	1	Fail				
	F	0	F	0	Fail				

PRIOR TO SEPTEMBER 1970

From July 1, 1967 to August, 1970 a five point letter grade system was used: A = 4, B = 3, C = 2, D = 1, F = 0 with the same descriptions as above.

PRIOR TO JULY 1967 - PERCENTAGE GRADES

First Class Standing 80 and above Second Class Standing 65 – 79 Third Class Standing 50 – 65 Fail (Undergraduate) below 50

The pass grade for graduate students was 65 or higher.

NOTE: The General Faculties Council of the University has ruled that no conversion of letter grades to numerical grades will be issued.

EXPLANATION OF OTHER SYMBOLS WHICH HAVE BEEN USED PRIOR TO 1970

S - failure, supplemental granted
F - failure, no supplemental

N - credit withheld

Ab.D. - absent, granted deferred final

Ab.F. - absent, failed
P - ungraded pass
IN - incomplete

WP - withdrew with permission
AB - absent from final exam

Inc. - incomplete