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Rkwudwi j . "RC"37482"

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How to authenticate this Official Transcript from the University of Pittsburgh

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Qhlekcn'tcpuetr v'qpn{ 'kpvpgf gf 'hqt<"Zhiguang Huo

"

Vj ku'qhlekcn'tcpuetr v'j cu'dggp'tcpuo kwgf "grgvtqplecm{ "v'j g'tgekr kpv'cpf 'ku'kpvpgf gf 'uqng{ 'hqt'wug'd{ " v'j cv'tgekr kpv'0"K{ qw'ctg'pqv'j g'kpvpgf gf 'tgekr kpv'r rncug'pqv{ 'v'j g'Vtcpuetr u'Qhleg'cv'j g'Wpkxgtuk{ 'qh' Rkwudwi j "cv'634/846/98570"K'ku'pqv'r gto kuukdg'v'g'tgr rdecv'j ku'f qewo gpv'qt 'hqt' ctf 'k'v'cp{ 'r gtuqp'qt" qti cpk{ cvkqp'q'j g't'j cp'v'j g'k'f gpv'hgf 'tgekr kpv'0"Trgcug'qh'v'j ku'tgeqtf "qt'f ku'quwtg'qh'ku'eqpv'p'v'v'j cp{ " v'j kf 'r ctf' 'y kj qw'y tkwgp'eqpugp'qh'v'j g'tgeqtf "qy pgt 'ku'r tqj kdkgf 0"

"

Vj ku'qhlekcn'tcpuetr v'j cu'dggp'f ki kcm{ 'uki pgf "cpf "v'j g'tghqtg'eqpv'kpu'ur gekn'ej ctcevgtku'0"K'v'j ku' f qewo gpv'j cu'dggp'ku'wgf 'd{ "v'j g'Wpkxgtuk{ 'qh'Rkwudwi j "cpf 'hqt'qr v'ko cni'tguwu' 'y g'tgeqo o gpf 'v'j cv'v'j ku' f qewo gpv'ku'x'gy gf 'y kj "v'j g'rcv'v'x'gtukp'qh'Cf qdg{ 'Cetqdcv'qt' "Cf qdg{ 'Tgcf gt="k'y kn'tgx'cni'c'f ki kcn" egt'v'k'ecv'j cv'j cu'dggp'cr r'ngf "v'j g'v'cpuetr v'0"Vj ku'f ki kcn'egt'v'k'ecv'j kn'cr r gct 'k'p'c'r qr /wr 'uetggp'qt'ucwu" dct'qp'v'j g'f qewo gpv'f ku'r { "c'dnw'g'tkddq' 'cpf 'f gmtg'v'j cv'v'j g'f qewo gpv'j cu'egt'v'k'gf 'd{ "v'j g'Wpkxgtuk{ 'qh' Rkwudwi j "y kj "c'xcrk' 'egt'v'k'ecv'j ku'wgf 'd{ "I mdcn'Uki p'EC'hqt' 'Cf qdg{ "0"Vj ku'f qewo gpv'egt'v'k'ecv'j q'p'ecp'dg" xcrk' cvgf 'd{ "erlen'pi "qp'v'j g'Uki pcwtg'Rtqr gt'v'gu'qh'v'j g'f qewo gpv'0"

"



Vj g'dnw'g'tkddq'u{ o dqn'ku'f{ qwt'cuwtcpeg'v'j cv'v'j g'f ki kcn'egt'v'k'ecv'j ku'xcrk' . 'v'j g'f qewo gpv' ku'cwj gpv'k' . 'cpf 'v'j g'eqpv'p'v'j qh'v'j g'v'cpuetr v'j cxg'pqv'dggp'cngt'gf 0"

"



K'v'j g'v'cpuetr v'f qgu'pqv'f ku'r { "c'xcrk' 'egt'v'k'ecv'j q'p'f 'uki pcwtg'u{ o dqn'tgl'gev'v'j ku' v'cpuetr v'lo o gf k'vgn{ 0"Cp'lp'xcrk' 'f ki kcn'egt'v'k'ecv'j ku'r { "o gcpu'gkj g't'v'j g'f ki kcn' uki pcwtg'ku'pqv'cwj gpv'k' . 'qt'v'j g'f qewo gpv'j cu'dggp'cngt'gf 0"Vj g'f ki kcn'uki pcwtg'ecp'cnuq" dg'tgxqngf 'd{ "v'j g'v'cpuetr v'qh'leg'h'v'j g'tg'ku'ecwug' . 'cpf 'f ki kcn'uki pcwtg'ecp'g'zr k'g'0"C" f qewo gpv'v'j kj "cp'lp'xcrk' 'f ki kcn'uki pcwtg'f ku'r { "uj qwf "dg'tgl'gev'f 0"

"



K'v'j g'Cwj qt'Wpnpqy p'u{ o dqn'ku'f ku'r { gf . 'v'j g'tg'ecp'dg'v'y q'r quukdg't'gcuqpu<30"Vj g' egt'v'k'ecv'j ku'c'ugr'uki pgf "egt'v'k'ecv'j qt'j cu'dggp'ku'wgf 'd{ "cp'v'pnpqy p'qt'v'p'v'wugf " egt'v'k'ecv'j cwj qtkv{ "cpf 'v'j g'tghqtg'j cu'pqv'dggp'v'wugf 040"Vj g'tgxqecv'k'p'ej gen'eqwf "pqv' eqo r r'ngv'0"K{ qw'ugg'v'j ku'u{ o dqn'o cng'uwg' "q'w'ctg'r tqr gtn{ "eqppgevgf "v'j g'k'p'v'pgv'0"K{ { qw'j cxg'c'eqppgevgf q'p'f " { qw'ukn'ecppq'v'xcrk' cvg'v'j g'f ki kcn'egt'v'k'ecv'j qp'v'p'g' . 'tgl'gev'v'j ku' f qewo gpv'0"

"

Vj g'ruv'r ci g'eqpv'kpu'v'j g'v'cpuetr v'ng{ 'hqt'v'j ku'f qewo gpv'0"Vj g'f qewo gpv'dceni tqw'pf "o c{ "dg'dnw'y kj "v'j g' wpkxgtuk{ 'ugcn'qt' 'y j kg'f gr gpf kpi "qp'v'j g'u'w'f gpv'v'k' o g'q'h'cw'g'f cpeg'cpf "u{ ugo 'eqpxgtukp'et'kgt'k'0" S w'g'uk'p'cu'v'j g'cwj gpv'k'v{ 'qh'v'j ku'f qewo gpv'dcugf "qp'v'j g'f qewo gpv'dceni tqw'pf "uj qwf "dg'f k'gevgf "v'j v'j g'Vtcpuetr u'Qhleg'cv'v'j g'Wpkxgtuk{ 'qh'Rkwudwi j "cv'634/846/98570"

"

Vj g'ewt'gpv'x'gtukp'qh'Cf qdg{ "Tgcf gt'ku'htgg'qh'ej cti g' . 'cpf 'cxck'rdg'hqt'ko o gf k'v'g'f qy p'q'cf "cv' [j wr<1y y v Qf qdg Qeqo 0"](#)

"

K'f{ qw'tgs v'k'g'h'v'j g't'lp'qto cvkqp'tgi ctf kpi "v'j g'cwj gpv'k'v{ 'qh'v'j ku'v'cpuetr v'f{ qw'o c{ "go ckn'qt'ecm'v'j g' Vtcpuetr u'Qhleg'cv'v'j g'Wpkxgtuk{ 'qh'Rkwudwi j "cv'v'cpu'egt'v'k' tgi kn'ct'0' k'v'g'f w'qt'634/846/98570"

Zhiguang Huo
Student ID: 3727202



University of Pittsburgh

DocumentID:11765632

Institution: University of Pittsburgh
4200 Fifth Avenue
Pittsburgh, PA 15260
Print Date: 11/27/2016

Degrees Awarded

Degree: Master of Science
Confer Date: 09/11/2012
Plan: Physics

Academic Program History

Program: School of Arts & Sciences

01/27/2011: Physics Major

Program: Arts and Sciences Name Change

11/07/2011:

Program: Graduate Sch of Public Health

02/01/2012: Biostatistics Major

Program: Dietrich Sch Arts and Sciences

05/01/2012: Physics Major

Beginning of Graduate Record

Fall Term 2011-2012

Course	Description	Attempted	Earned	Grade	Points
PHYS 2373	MATHMTCL METHODS IN PHYSICS	3.00	3.00	A	12.000
PHYS 2513	DYNAMICAL SYSTEMS	3.00	3.00	A	12.000
PHYS 2565	NON-RELATIVSTC QUNTM MECHANIC 1	3.00	3.00	A+	12.000
PHYS 2997	TEACHING OF PHYSICS	1.00	1.00	A	4.000
PHYS 2998	TEACHING OF PHYSICS-PRACTICUM	1.00	1.00	A	4.000
PHYS 2999	PHYSICS & ASTRONOMY COLLO	1.00	1.00	S	0.000
PHYS 3715	SOLID STATE PHYSICS	3.00	3.00	A-	11.250

Spring Term 2011-2012

Course	Description	Attempted	Earned	Grade	Points
PHYS 2541	THERMDYNMCS & STATSTCL MECHNCES	3.00	3.00	A	11.250
PHYS 2555	ADV CLSSCL ELECTRY & MAGNTSM	4.00	4.00	B+	13.000
PHYS 2566	NON-RELATIVSTC QUNTM MECHANIC 2	3.00	3.00	A+	12.000
PHYS 2998	TEACHING OF PHYSICS-PRACTICUM	1.00	1.00	A	4.000
PHYS 2999	PHYSICS & ASTRONOMY COLLO	1.00	0.00	IGH	0.000

Fall Term 2012-2013

Course	Description	Attempted	Earned	Grade	Points
BIOST 2041	INTRO TO STATISTICAL METHODS 1	3.00	3.00	A	12.000
BIOST 2043	INTRO TO STATISTICAL THEORY 1	3.00	3.00	A+	12.000
EPIDEM 2110	PRINCIPLES OF EPIDEMIOLOGY	3.00	3.00	A	12.000
HUGEN 2070	BIOINF FOR HUMAN GENETICS	3.00	3.00	AVERS	12.000
PUBHLT 2022	THE DEAN'S PH GRAND ROUNDS	0.00	0.00	S	0.000

Spring Term 2012-2013

Course	Description	Attempted	Earned	Grade	Points
BIOST 2042	INTRO TO STATISTICAL METHODS 2	3.00	3.00	A	12.000
BIOST 2044	INTRO TO STATISTICAL THEORY 2	3.00	3.00	A+	12.000
BIOST 2049	APPLIED REGRESSION ANALYSIS	3.00	3.00	B	9.000
PUBHLT 2011	ESSENTIALS OF PUBLIC HEALTH	3.00	3.00	A	11.250
PUBHLT 2022	THE DEAN'S PH GRAND ROUNDS	0.00	0.00	S	0.000

Fall Term 2013-2014

Course	Description	Attempted	Earned	Grade	Points
BIOST 2046	ANALYSIS OF COHORT STUDIES	3.00	3.00	A+	12.000
BIOST 2051	STATISTICAL ESTIMATION THEORY	3.00	3.00	A+	12.000
BIOST 2078	INT GNOMC ANAL 2: THRY ALGRTHM	3.00	3.00	A+	12.000
BIOST 2083	LINEAR MODELS	3.00	3.00	A+	12.000
CMSTAT 0725	CONVEX OPTIMIZATION	3.00	3.00	A	12.000

Course Topic: TAKEN AT CARNEGIE MELLON UNIV

Spring Term 2013-2014

Course	Description	Attempted	Earned	Grade	Points
BIOST 2025	BIostatistics SEMINAR	1.00	1.00	S	0.000
BIOST 2055	INTROD GNOMC ANAL 1; APPLCS	3.00	3.00	A+	12.000
BIOST 2061	LIKELIHOOD THEORY & APPLICATN	2.00	2.00	A	8.000
BIOST 2086	APPLIED MIXED MODELS ANALYSIS	3.00	3.00	A	12.000
CMMLG 0708	PROBABILISTIC GRAPHIC MODELS	4.00	4.00	A	16.000

Course Topic: TAKEN AT CARNEGIE MELLON UNIV

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Patricia J. Mathay

Patricia J. Mathay
University Registrar



Send To: Zhiguang Huo

Zhiguang Huo
Student ID: 3727202



University of Pittsburgh

DocumentID:11765632

Fall Term 2014-2015

Course	Description	Attempted	Earned	Grade	Points
BIOST 2021	SPECIAL STUDIES	7.00	7.00	S	0.000
BIOST 2025	BIOSTATISTICS SEMINAR	1.00	1.00	S	0.000
BIOST 2087	BIOST CONSULTING PRACTICUM	1.00	1.00	A	3.750
CMSTAT 0705	INTERMEDIATE STATISTICS	4.00	4.00	A	16.000
Course Topic	TAKEN AT CARNEGIE MELLON UNIV				

Spring Term 2014-2015

Course	Description	Attempted	Earned	Grade	Points
BIOST 2025	BIOSTATISTICS SEMINAR	1.00	1.00	S	0.000
BIOST 2054	SURVIVAL ANALYSIS	3.00	3.00	A	12.000
FTDR 3999	FULL-TIME DISSERTATION STUDY	0.00	0.00		0.000

Fall Term 2015-2016

Course	Description	Attempted	Earned	Grade	Points
FTDR 3999	FULL-TIME DISSERTATION STUDY	0.00	0.00		0.000

Spring Term 2015-2016

Course	Description	Attempted	Earned	Grade	Points
FTDR 3999	FULL-TIME DISSERTATION STUDY	0.00	0.00		0.000

Fall Term 2016-2017

Course	Description	Attempted	Earned	Grade	Points
FTDR 3999	FULL-TIME DISSERTATION STUDY	0.00	0.00		0.000

Graduate Career Totals

Cum GPA:	3.899	Cum Totals:	95.00	95.00	327.500
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End of Transcript

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Patricia J. Mathay
University Registrar



Send To: Zhiguang Huo

In September 2005, the University implemented a new student administration computer system resulting in the change to some historic terminology. Depending on the status of the student at the time the transcript is produced, the transcript labels may contain either current or historic terminology. These wording changes follow with the historic terminology in parentheses: Career (Level); Program (Academic Center); Plan (Major/Minor); Subplan (Area of Concentration); GPA (QPA).

GRADING POLICY

The following are grades and grade/quality points associated with each grade:

A+	4.00	C+	2.25
A	4.00	C	2.00
A-	3.75	C-	1.75
B+	3.25	D+	1.25
B	3.00	D	1.00
B-	2.75	D-	0.75
		F	0.00

The following grades carry no grade/quality points:

G	Unfinished Course Work
H	Honors
HS	High Satisfactory
I	Incomplete
LS	Low Satisfactory
N	Audit
NC	No Credit
R	Resignation
S	Satisfactory
T	Test Credit
U	Unsatisfactory
W	Withdrawal

The following are discontinued grades:

K	Competent Attainment
P	Pass
Q	Qualified
WF	Withdrawal/Failing
Z	Invalid Grade
**	No grade Reported

Note: Plus and minus grades were added to the University's grading system in the Winter Term 1975-1976.

For additional grade information please see the University grading policy online.

SPECIAL NOTATIONS (Applies only to students who attended prior to Fall Term 2005-2006).

1. Indicates that the course was repeated. The credits and quality points earned in this course are not used in the calculation of the QPA.
2. Indicates that the course was offered through the University Honors College

TRANSCRIPT GUIDE

3. Indicates that the course was taken at one or more of the institutions participating in the University of Pittsburgh cross-registration program. Decode for the abbreviations are:

CAR	Carlow University (formerly Carlow College)
CMU	Carnegie-Mellon University
CHA	Chatham University (formerly Chatham College)
CCA	Community College of Allegheny County
DUQ	Duquesne University
LAR	La Roche College
PTS	Pittsburgh Theological Seminary
PPU	Point Park University (formerly Point Park College)
RMU	Robert Morris University (formerly RMC Robert Morris College)
SE	Seton Hill University (formerly Seton Hill College)
WC	Westmoreland County Community College

GPA/QPA POLICY: Prior to the Fall Term 2005-2006, the University cumulative Quality Point Average (QPA) was calculated based on all University of Pittsburgh courses relevant to the student's degree goal(s). Effective with the Fall Term 2005-2006, the cumulative Grade Point Average (GPA) is associated with credits completed at the Career Level. For additional QPA/GPA information, please see the University GPA/QPA policy online.

THREE-TERM CALENDAR: The University of Pittsburgh utilizes a three-term academic calendar which is equivalent to the semester-hour system. The first-professional programs operate on the semester calendar.

ACCREDITATION: The University of Pittsburgh is accredited by the Middle States Association of Colleges and Schools, Commission on Higher Education. Individual school or program accreditation may be verified by contacting the Dean's Office of the Academic Center/Program identified on the student's record.

DEGREES AWARDED FROM OTHER INSTITUTIONS: Any information displayed reflecting degrees awarded by other institutions should be verified with the awarding institution for accuracy.

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COURSE NUMBERING SYSTEM Effective Fall Term 1990-1991

0001-0999	and
7000-7999	Lower Level Undergraduate
1000-1999	and
8000-8999	Upper Level Undergraduate
2000-2999	Master Level Graduate
3000-3999	Doctoral Level Graduate
4000-4999	Noncredit
5000-5999	First Professional Programs (Medicine, Dental Medicine, Law)
6000-6999	Career Development Undergraduate
9000-9999	Career Development Graduate

Prior to Fall Term 1990-1991

0001-0099	Lower Level Undergraduate
0010-0099	First Year Sectioned Courses (Law)
0100-0199	Upper Level Undergraduate
0100-0399	Upper Level Electives (Law)
0200-0299	Master Level Graduate
0300-0399	Doctoral Level Graduate
0400-0499	Third Year Limited Enrollment Courses (Law)
0500-0599	First Professional Programs (Medicine and Dental Medicine)
0500-0699	Upper Division Seminars (Law)
0700-0799	Lower Level (General Studies)
0800-0899	Upper Level (General Studies)
0900-0999	Other
0900-0999	Activities for Credit (Law)

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