Office of the University Registrar

150 Franklin Building
3451 Walnut Street
Philadelphia, PA 19104-6270
Tel 215.898.6636
Fax 215.573.2076
www.upenn.edu/registrar

How to Authenticate This Official Transcript from the University of Pennsylvania

This official transcript has been transmitted electronically to the recipient, and is intended solely for use by that recipient. If you are not the intended recipient, please notify the Office of the University Registrar at the University of Pennsylvania. 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. If this document has been issued by the University of Pennsylvania, and this document is viewed using Adobe® Acrobat version 6.0 or greater, or Adobe® Reader version 6.04 or greater, it will reveal a digital certificate that has been applied to the transcript. 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 Pennsylvania with a valid certificate issued by AVOW for Adobe®. This document certification can be validated by clicking on the Signature Properties of the document.

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

 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 transcript has been altered. The digital signature can also be revoked by the Registrar Office if there is cause, and digital signatures can expire. A transcript with an invalid digital signature display should be rejected.

 Lastly, one other possible message, Author Unknown, can have two potential 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 transcript.

The transcript key and guide to transcript evaluation is the last page of this document.

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

If you require further information regarding the authenticity of this transcript, you may email or call the Office of the University Registrar at the University of Pennsylvania at registra@pobox.upenn.edu or 215.898.6636.

UNIVERSITY of PENNSYLVANIA

OFFICE OF THE UNIVERSITY REGISTRAR PHILADELPHIA, PA 19104 - 6291

Margaret Kip
Acting University Registrar

RECORD OF WORK DONE

RECORD OF	RAO XIONG
ID NUMBER	XXX-XX-1651 BIRTHDATE: 07/16/93
DATE OF ISSUE	05/17/18

```
[ * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *]
[      AT THE GRADUATE LEVEL IN THE SCHOOL OF EDUCATION      ]
[ * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *]
```

```
* * * * * * * * * * ACADEMIC PROGRAM   * * * * * * * * * * * *

              School: EDUCATION
            Division: EDUCATION MASTERS/DOCTORATE
      Degree Program: MASTER OF SCIENCE IN EDUCATION
               Major: STATISTICS  MEASUREMENT & RESEARCH


* * * * * UNIVERSITY OF PENNSYLVANIA COURSE WORK * * * * * *

Spring 2017         EDUCATION MASTERS/DOCTORATE
    EDUC   683    SURVEY METHODS & DESIGN   1.00  CU   B-
    EDUC   767    REGRESSION & ANALYSIS OF VARIANCE
                                           1.00  CU   B
    EDUC   829    POLICY RESEARCH          1.00  CU   A
                  Term Statistics:         3.00  CU  GPA 3.23
                       Cumulative:         3.00  CU  GPA 3.23


Summer 2017         EDUCATION MASTERS/DOCTORATE
    FNCE   611    CORPORATE FINANCE        1.00  CU   B
                  Term Statistics:         1.00  CU  GPA 3.00
                       Cumulative:         4.00  CU  GPA 3.18


Fall 2017           EDUCATION MASTERS/DOCTORATE
    EDUC   625    DATA PROCESSING & ANALYSIS
                                           1.00  CU   A
    EDUC   680    EVALUATION OF POLICIES, PROGRAMS &
                  PROJECTS                 1.00  CU   B
    EDUC   684    MEASURE & PSYCHOLOGICAL ASSESSMENT
                                           1.00  CU   B+
    STAT   503    DATA ANALY & STAT COMP: Data
                  Analytics and Statistical
                  Computing                1.00  CU   A-
                  Term Statistics:         4.00  CU  GPA 3.50
                       Cumulative:         8.00  CU  GPA 3.34


Spring 2018         EDUCATION MASTERS/DOCTORATE
    EDUC   575    TOPICS IN PSYCH OF EDUCATION:
                  QUALITATIVE STUDIES DEV
                  INTERVENTIONS            1.00  CU   A-
    EDUC   768    MEASUREMENT THEORY & TEST
                  CONSTRUCTION             1.00  CU   B
                  Term Statistics:         2.00  CU  GPA 3.35
                       Cumulative:        10.00  CU  GPA 3.34


* * * * * NO OFFICIAL ENTRIES BEYOND THIS POINT  * * * * * *
```

TRANSCRIPT INTERPRETATION

GENERAL INFORMATION

Current official transcripts are printed on tinted paper; erasures will be apparent, and photocopies will say VOID across them. An Official University Signature will appear in the top right corner of the document in blue ink.

Course Numbering System

1-399	Undergraduate courses
400-499	Mixed courses primarily for Undergraduate students
500-599	Mixed courses primarily for Graduate students
600-989	Graduate courses
990-999	Graduate individual study (thesis/dissertation) courses

Course Units, Semester Hours and Credit Hours

Credit information appears to the right of the course information on the transcript.

Effective Spring 2014, a course unit should be converted to Semester Hours at a ratio of 1:4. Previous to Spring 2014 a course unit should be converted to Semester Hours at a ratio of 1:3.

A course unit (CU) generally represents one course that meets for 3 hours per week of class time, 4 hours of laboratory, or 5 hours of class time in beginning language courses, in a course that lasts for one term (semester).

A semester hour (SH) is defined as one hour per week of class time per term, or equivalent in other course-related activities.

Courses for which no credit is awarded appear with parentheses around their credit value, for example (1.00).

Penn Equivalent Credit is added to the credit total under the last term appearing on the transcript. It includes internal and external transfer credit, advanced placement credit, and credit by examination.

An H or GH preceding the course number indicates an honors course.

Free-form text included in current transcripts is concluded by ∮.

At the end of the transcript message NO OFFICIAL ENTRIES BEYOND THIS POINT appears.

Key to Grades

Term and Cumulative Averages

Not all schools use grade-point averages on the transcript. When averages appear, they are calculated according to this scale (except for the School of Dental Medicine):

A*	5.0	B+	3.3	C+	2.3	D+	1.3
A+	4.0	B	3.0	C	2.0	D	1.0
A	4.0	B-	2.7	C-	1.7	D-	0.7
A-	3.7					F	0.00

Key to Wharton Graduate Grades, Effective Summer 2006

A+	4.00	B+	3.33	C+	2.33	D+	1.33
A	4.00	B	3.00	C	2.00	D	1.00
A-	3.67	B-	2.67	C-	1.67	D-	0.67
						F	0.00

INTERPRETING GRADES

The various schools and divisions of the University use different grading systems. The first section of the transcript, ACADEMIC PROGRAM, includes school division, and degree information. Find the table that corresponds to that information below. Exceptions will be noted in the appropriate table.

Table 1

Annenberg School of Communications
Graduate Arts & Sciences
Graduate School of Education
School of Design, formerly known as Graduate School of Fine Arts
Ph.D. programs – All PhD programs and School of Engineering and applied sciences Graduate and executive masters programs, effective Spring, 2003 (see Table 3 for data prior to Spring 2003)
Law Students, when taking courses outside the Law School: otherwise see Table 5 & Table 6

A+,A,A-	Distinguished
B+,B,B-	Good (in Annenberg, B- = Unsatisfactory)
C+,C,C-	Unsatisfactory
D+,D	Poor
D-	Poor (not used for Grad. Ed. Annenberg)
F	Failure
P	Pass = A+ to D- (not used for Ph.D. Annenberg, Fine Arts-Harrisburg)
S	Satisfactory progress (not used for Law students)
U	Unsatisfactory (not used for Law students)
I	Incomplete
I*	Permanent Incomplete (Ph.D. only)
W	Withdrew (Ph.D., Annenberg, Fine Arts-Harrisburg only)
NR	No grades reported for course
GR	No grade reported for student
AUD	Audit(not used for Law students)

INTERPRETING GRADES - Continued

Table 2

College Arts & Sciences, undergraduate
College of General Studies
College of Liberal and Professional Studies
Summer Sessions
School of Nursing, undergraduate (effective Fall, 1994)
Wharton Evening School (effective Fall, 1994)
Wharton Graduate School (effective Summer, 2006)
Wharton School, undergraduate (effective Fall, 1994)
School of Engineering and Applied Science, undergraduate

A+	Distinguished
A,A-	Excellent
B+,B,B-	Good
C+,C,C-	Average
D+,D	Below Average
F	Failure
P	Pass = A+ to D
S	Satisfactory progress
U	Unsatisfactory
I	Incomplete
II	Extended Incomplete (College Only)
I*	Permanent Incomplete
W	Withdrew
NR	No grades reported for course
GR	No grade reported for student
AUD	Audit
X	Academic Violation (CGS, Nursing & Engineering)

Table 3

School of Engineering and Applied Science –
Undergraduates through Fall, 1996 (see Table 1 for data effective Spring, 1997)
Graduate Programs & Executive Management Programs through Fall, 2002 (see Table 1 for data effective Spring, 2003)
School of Nursing (through Summer, 1994) except for Ph.D. programs (see Table 1)

A	Distinguished
B	Good
C	Average (in graduate programs, C = Unsatisfactory)
D	Below Average (in graduate programs, D = Poor)
F	Failure
P	Pass = A+ to D
S	Satisfactory progress
U	Unsatisfactory
I	Incomplete
W	Withdrew
NR	No grades reported for course
GR	No grade reported for student
AUD	Audit
X	Academic Violation (undergraduate only)

Table 4

Dental School

A	Distinguished
B, B+	Good
C, C+	Average
E	Exempt
F	Failure
F/C	Fail then Pass – Repeated Exams
GR	No grade reported for student
NR	No grades reported for course
H	Honors
I	Incomplete
IW	Incomplete (Withdrew)
P	Pass

Table 5

Law School (through Summer, 1995) except for courses outside the Law school (see Table 1)

O	Outstanding	These grades apply to first year course in Professional Responsibility
S	Satisfactory	
U	Unsatisfactory	
DD	Distinguished	
E	Excellent	
G	Good	
Q	Qualified	
U	Unsatisfactory, with credit	
UNC	Unsatisfactory, no credit	
F	Failure	
P	Pass	
I	Incomplete	
W	Withdrew	
NR	No grades reported for course	
GR	No grade reported for student	
CR	Credit	

Table 6

Law School (effective Fall, 1995) except for courses outside the Law school (see Table 1)

A+	Distinguished
A, A-	Excellent
B+, B, B-	Good
C	Average
CR	Credit
F	Failure
FNC	Failure - No Credit
GR	No grade reported for student
H	Honors
I	Incomplete
NR	No grades reported for the course
P	Pass
S	Satisfactory Progress
W	Withdrew

Table 7

School of Social Policy and Practice (formerly known as School of Social Work, DSW) except DSW program (see Table 8) and Ph.D. program (see Table 1).

CR	Credit (Passed = B or better at graduate level)
F	Failure
NCR	Non-Credit course
I	Incomplete
W	Withdrew
WF	Withdrew, Failing
NR	No grades reported for course
GR	No grade reported for student
P	Pass

Table 8

School of Social Policy and Practice (formerly known as School of Social Work, DSW) (through Summer, 2002).

A	Distinguished
B	Good
C	Unsatisfactory
F	Failure
I	Incomplete
W	Withdrew (Social Work doctoral only)
WF	Withdrew Failing, (Social Work doctoral only)
NR	No grades reported for course
GR	No grade reported for student
AUD	Audit (Social Work doctoral only)

Table 9

School of Social Policy and Practice (formerly known as School of Social Work, DSW) (effective Fall, 2002).

A+	Distinguished
A,A-	Excellent
B+,B,B-	Good
C+,C,C-	Average
D	Below Average
F	Failure
CR	Credit (Passed = B or better)
NCR	Non-Credit course
I	Incomplete
GR	No grade reported for student
NR	No grades reported for course
W	Withdrew

Table 10

Wharton Evening School (through Summer, 1994)
Wharton School, undergraduate (through Summer, 1994)

A*	Distinguished
A	Excellent
B	Good
C	Average
D	Below Average
F	Failure
P	Pass = A* to C (Wharton courses only, not given in Evening School)
I	Incomplete
W	Withdrew
NR	No grades reported for course
GR	No grade reported for student
AUD	Audit
NC	No credit (not given in Evening School)
X	Academic Violation

Table 11

Wharton School, Executive MBA – (through Spring, 2006)
Wharton School, graduate except for Ph.D. programs (see Table 1)

DS	Distinguished
HP	High Pass
P	Pass
I	Incomplete
NR	No grades reported for course
GR	No grade reported for student
AUD	Audit
NC	No Credit