

# NATIONAL TSING HUA UNIVERSITY

## Directives Governing the Grading of Students' Performance

Passed by the 1st Academic Affairs Meeting in Academic Year of 2009 on October 22, 2009

Amended by the 3rd Academic Affairs Meeting in Academic Year 2010 on January 6, 2011

Amended Article 2 by the 4th Academic Affairs Meeting in Academic Year 2012 on March 8, 2012

Amended Article 3, 6, 7 by the 4th Academic Affairs Meeting in Academic Year 2012 on April 18, 2013

Amended Article 1 by the 1st Academic Affairs Meeting in Academic Year 2013 on December 12, 2013

Amended Article 2, 6, 7 by the 1st Academic Affairs Meeting in Academic Year 2014 on October 16, 2014

Amended Article 4, 5, 6, 8, 9, 10, 11, 12 by the 3rd Academic Affairs Meeting in Academic Year 2016 on March 8, 2018

Amended Article 7 by the 4th Academic Affairs Meeting in Academic Year 2017 on June 21, 2018

Amended Article 6, 8, 8-1 by the 5th Academic Affairs Meeting in Academic Year 2020 on June 10, 17, 28 2021

Amended Article 9, 10 by the 3<sup>rd</sup> Academic Affairs Meeting in the Academic Year 2023 on March 9, 2023

- Article 1 National Tsing Hua University (NTHU or “the University”) formulates the NTHU *Directives Governing the Grading of Students' Performance* (“the Directives”) in accordance with Article 22 of the University’s *Academic Regulations* to handle the grading of students’ performance.
- Article 2 The change of the grading system from percentage grades to letter grades has taken effect in the 2010-2011 academic year. Faculty members can choose to input student grades in percentage or letter grade, after which the system will automatically convert the grades based on each student’s year of enrollment using the *NTHU Letter Grade to Percentage Grade Conversion Table for Individual Grades* (Table 2).  
Instructors shall evaluate the semester grade received by each student by assessing the student’s completion of the learning objectives set for each course. See Table 3 for definition, percentage grade equivalent, and grade point equivalent corresponding to each letter grade.
- Article 3 The percentage grade system is still used for the grading of students who have enrolled in NTHU prior to the adoption of the letter grade system and for NTHU undergraduate students who have transferred to NTHU, advanced to a higher year of study due to credit transfer, and graduated early in or before the 2012-2013 academic year. Academic transcripts in English are noted with the letter grade percentage range (see Table 1).  
For students who have enrolled in NTHU after the adoption of the letter grade system and students who have enrolled in NTHU prior to the adoption of the said system but graduated in or after the 2012-2013 academic year due to taking a leave of absence, changing majors, or other reasons that resulted in their being dropped to a lower year of study, the academic transcripts of such students are attached with the Letter Grade to Percentage Grade Conversion Table for Individual Courses (see Table 2) and noted with their grade point average (GPA).  
The grades of undergraduate students for whom the percentage grade system was originally applicable but whose graduation has been deferred until three years after the

adoption of the letter grade system, will be converted to letter grades using Table 2. Such students will be ranked against other students graduating in the same year for their graduation (cumulative) rank but will retain their ranks for each semester.

Article 4 The calculation of letter grade averages is carried out in accordance with Article 27 of the *NTHU Academic Regulations*.

Article 5 For the purposes of references and external use, NTHU further formulates the *NTHU Grade Point Average (GPA) to Percentage Conversion Table* (Table 4).

Article 6 In addition to GPA, relative course grades are provided for grades received after the 2018-2019 academic year, and T-scores are provided for grades received after the 2021-2011 academic year. Undergraduate students who have enrolled in NTHU in or after the 2018-2019 academic year are provided with the semester class, cumulative, and graduation rankings corresponding to each relative course grade received, while undergraduate students who have enrolled in NTHU in or after the 2021-2022 academic year are provided with the semester class, cumulative, and graduation rankings corresponding to each T-score received.

Article 7 Relative course grades are the class rank of each student for individual courses and are given in fraction form. The denominator of a relative course grade is the total number of participants for that course, and the numerator is the student's class rank in that course. For each course, the students are ranked in descending order based on the grades they received for that course, for which the students ranked in the highest grade tier are given the rank of 1 and the students ranked in the lower grade tiers are given the rank of (1+ the total number of students in the grade tiers higher than the respective student's grade tier).

Article 8 Relative course grades and T-scores are not provided for inter-university courses, courses waived via credit transfer, and pass/fail courses. Relative semester cumulative grade average, cumulative grade average, and graduation grade average are weighted with the number of credits for each course and calculated as percentages (a lower percentage indicates better performance).

Article 8-1 The definition of a T-score is:

$$T=10Z+50, Z = \frac{x-\bar{x}}{\sigma}$$

, where  $x$  is a student's raw score,  $\bar{x}$  is the mean score, and  $\sigma$  is the standard deviation.

If  $T=50$ , the student's raw score is equal to the mean score.

If  $T=60$ , the student's raw score is one standard deviation above the mean score.

If  $T=70$ , the student's raw score is two standard deviations above the mean score.

If  $T=40$ , the student's raw score is one standard deviation below the mean score, and so on.

Article 9 NTHU undergraduate students are ranked against students in the same class. For departments with multiple divisions, with the exception of the Department of Physics and Department of Mathematics who use department rankings, the class ranking is used

as the division ranking. Graduate students are not ranked on their performance.

When students from the International Bachelor Degree Program at Tsing Hua College are assigned to various College Interdisciplinary Program (teaching groups), rankings of the class and the department are processed separately from those students who begin their studies at College Interdisciplinary Program originally.

Article 10 Grade ranking:

I. Semester class ranking (grades received in summer term courses are not counted): Students are ranked based on their grade average against the other students in the same class who have taken at least one course in a given semester. However, exchange students, joint/dual degree students, students who only receive credits from waived courses, and students who only take zero-credit courses or courses with a pass/fail grading system shall not be included in the ranking for that semester. Students who are on a leave of absence, students who are not enrolled but who have retained their admission status and undergraduate students who have deferred their graduation will also not receive the class ranking during the deferral period.

II. Cumulative ranking: Students are ranked against other students in the same class based on their grade average (grades received in summer term courses are counted) for all courses taken. Joint Dual-degree students, exchange students, students who have deferred their graduation, and dismissed/withdrawn students who have taken a course in the preceding semester (including summer term) are included in the ranking.

Students who have changed their major or who have been distributed to a new department, class, or division will be ranked against other students in the new department, class, or division.

III. Graduation ranking: All graduates of a given class and graduating in a given academic year are ranked according to their final grade at graduation.

Article 11 At the start of class for each semester, the tentative rankings of NTHU students are compiled for the preceding semester regardless of whether the grades of all NTHU students have been submitted, after which the official rankings will be compiled within three weeks. Upon announcement of the official rankings, the rankings are final and will not be changed even in the event of grade revisions or delayed grade submissions.

Article 12 The Directives shall be passed by the Academic Affairs Meeting and then implemented.

Table 1 Letter Grade Percentage Range Noted on the English Academic Transcripts of NTHU Students Who Are Graded Using the Percentage Grade System

Undergraduate student score: $A \geq 80, 70 \leq B \leq 79, 60 \leq C \leq 69, F < 60$
Graduate student score: $A \geq 80, 70 \leq B \leq 79, F < 70$

Table 2 NTHU Letter Grade to Percentage Grade Conversion Table for Individual Courses

Letter Grade	Percentage Range	Grade Point	Percentage Grade Used to convert the grades of NTHU students who did not graduate before the adoption of the letter grade system
A+	90~100	4.3	95
A	85~89	4.0	87
A-	80~84	3.7	82
B+	77~79	3.3	78
B	73~76	3.0	75
B- Passing grade for graduates	70~72	2.7	71
C+	67~69	2.3	68
C	63~66	2.0	65
C- Passing grade for undergraduates	60~62	1.7	61
D	50~59	1.0	55
E	1~49	0	49
X	0	0	0

Table 3 Letter Grade Definitions

Letter Grade	Definition
A+	All goals achieved beyond expectation
A	All goals achieved
A-	All goals achieved, but need some polish
B+	Some goals well achieved
B	Some goals adequately achieved
B- (Passing grade for graduates)	Some goals achieved with minor flaws
C+	Minimum goals achieved
C	Minimum goals achieved with minor flaws
C- (Passing grade for undergraduates)	Minimum goals achieved with major flaws
D	Below the passing grade
E	Failed
X	Not graded due to unexcused absences or other reasons

Table 4 NTHU Grade Point Average (GPA) to Percentage Conversion Table

GPA	%	GPA	%	GPA	%	GPA	%	GPA	%	GPA	%	GPA	%	GPA	%
4.30	100.00	3.72	84.33	3.14	77.40	2.56	70.95	1.98	65.60	1.40	55.71	0.82	41.00	0.24	12.00
4.29	99.63	3.71	84.17	3.13	77.30	2.55	70.88	1.97	65.40	1.39	55.57	0.81	40.50	0.23	11.50
4.28	99.27	3.70	84.00	3.12	77.20	2.54	70.80	1.96	65.20	1.38	55.43	0.80	40.00	0.22	11.00
4.27	98.90	3.69	83.88	3.11	77.10	2.53	70.73	1.95	65.00	1.37	55.29	0.79	39.50	0.21	10.50
4.26	98.53	3.68	83.75	3.10	77.00	2.52	70.65	1.94	64.80	1.36	55.14	0.78	39.00	0.20	10.00
4.25	98.17	3.67	83.63	3.09	76.90	2.51	70.58	1.93	64.60	1.35	55.00	0.77	38.50	0.19	9.50
4.24	97.80	3.66	83.50	3.08	76.80	2.50	70.50	1.92	64.40	1.34	54.86	0.76	38.00	0.18	9.00
4.23	97.43	3.65	83.38	3.07	76.70	2.49	70.43	1.91	64.20	1.33	54.71	0.75	37.50	0.17	8.50
4.22	97.07	3.64	83.25	3.06	76.60	2.48	70.35	1.90	64.00	1.32	54.57	0.74	37.00	0.16	8.00
4.21	96.70	3.63	83.13	3.05	76.50	2.47	70.28	1.89	63.80	1.31	54.43	0.73	36.50	0.15	7.50
4.20	96.33	3.62	83.00	3.04	76.40	2.46	70.20	1.88	63.60	1.30	54.29	0.72	36.00	0.14	7.00
4.19	95.97	3.61	82.88	3.03	76.30	2.45	70.13	1.87	63.40	1.29	54.14	0.71	35.50	0.13	6.50
4.18	95.60	3.60	82.75	3.02	76.20	2.44	70.05	1.86	63.20	1.28	54.00	0.70	35.00	0.12	6.00
4.17	95.23	3.59	82.63	3.01	76.10	2.43	69.98	1.85	63.00	1.27	53.86	0.69	34.50	0.11	5.50
4.16	94.87	3.58	82.50	3.00	76.00	2.42	69.90	1.84	62.80	1.26	53.71	0.68	34.00	0.10	5.00
4.15	94.50	3.57	82.38	2.99	75.87	2.41	69.83	1.83	62.60	1.25	53.57	0.67	33.50	0.09	4.50
4.14	94.13	3.56	82.25	2.98	75.73	2.40	69.75	1.82	62.40	1.24	53.43	0.66	33.00	0.08	4.00
4.13	93.77	3.55	82.13	2.97	75.60	2.39	69.68	1.81	62.20	1.23	53.29	0.65	32.50	0.07	3.50
4.12	93.40	3.54	82.00	2.96	75.47	2.38	69.60	1.80	62.00	1.22	53.14	0.64	32.00	0.06	3.00
4.11	93.03	3.53	81.88	2.95	75.33	2.37	69.53	1.79	61.80	1.21	53.00	0.63	31.50	0.05	2.50
4.10	92.67	3.52	81.75	2.94	75.20	2.36	69.45	1.78	61.60	1.20	52.86	0.62	31.00	0.04	2.00
4.09	92.30	3.51	81.63	2.93	75.07	2.35	69.38	1.77	61.40	1.19	52.71	0.61	30.50	0.03	1.50
4.08	91.93	3.50	81.50	2.92	74.93	2.34	69.30	1.76	61.20	1.18	52.57	0.60	30.00	0.02	1.00
4.07	91.57	3.49	81.38	2.91	74.80	2.33	69.23	1.75	61.00	1.17	52.43	0.59	29.50	0.01	0.50
4.06	91.20	3.48	81.25	2.90	74.67	2.32	69.15	1.74	60.80	1.16	52.29	0.58	29.00	0.00	0.00
4.05	90.83	3.47	81.13	2.89	74.53	2.31	69.08	1.73	60.60	1.15	52.14	0.57	28.50		
4.04	90.47	3.46	81.00	2.88	74.40	2.30	69.00	1.72	60.40	1.14	52.00	0.56	28.00		
4.03	90.10	3.45	80.88	2.87	74.27	2.29	68.90	1.71	60.20	1.13	51.86	0.55	27.50		
4.02	89.73	3.44	80.75	2.86	74.13	2.28	68.80	1.70	60.00	1.12	51.71	0.54	27.00		
4.01	89.37	3.43	80.63	2.85	74.00	2.27	68.70	1.69	59.86	1.11	51.57	0.53	26.50		
4.00	89.00	3.42	80.50	2.84	73.87	2.26	68.60	1.68	59.71	1.10	51.43	0.52	26.00		
3.99	88.83	3.41	80.38	2.83	73.73	2.25	68.50	1.67	59.57	1.09	51.29	0.51	25.50		
3.98	88.67	3.40	80.25	2.82	73.60	2.24	68.40	1.66	59.43	1.08	51.14	0.50	25.00		
3.97	88.50	3.39	80.13	2.81	73.47	2.23	68.30	1.65	59.29	1.07	51.00	0.49	24.50		
3.96	88.33	3.38	80.00	2.80	73.33	2.22	68.20	1.64	59.14	1.06	50.86	0.48	24.00		
3.95	88.17	3.37	79.88	2.79	73.20	2.21	68.10	1.63	59.00	1.05	50.71	0.47	23.50		
3.94	88.00	3.36	79.75	2.78	73.07	2.20	68.00	1.62	58.86	1.04	50.57	0.46	23.00		
3.93	87.83	3.35	79.63	2.77	72.93	2.19	67.90	1.61	58.71	1.03	50.43	0.45	22.50		
3.92	87.67	3.34	79.50	2.76	72.80	2.18	67.80	1.60	58.57	1.02	50.29	0.44	22.00		
3.91	87.50	3.33	79.38	2.75	72.67	2.17	67.70	1.59	58.43	1.01	50.14	0.43	21.50		
3.90	87.33	3.32	79.25	2.74	72.53	2.16	67.60	1.58	58.29	1.00	50.00	0.42	21.00		
3.89	87.17	3.31	79.13	2.73	72.40	2.15	67.50	1.57	58.14	0.99	49.86	0.41	20.50		
3.88	87.00	3.30	79.00	2.72	72.27	2.14	67.40	1.56	58.00	0.98	49.71	0.40	20.00		
3.87	86.83	3.29	78.88	2.71	72.13	2.13	67.30	1.55	57.86	0.97	49.57	0.39	19.50		
3.86	86.67	3.28	78.75	2.70	72.00	2.12	67.20	1.54	57.71	0.96	49.43	0.38	19.00		
3.85	86.50	3.27	78.63	2.69	71.87	2.11	67.10	1.53	57.57	0.95	49.29	0.37	18.50		
3.84	86.33	3.26	78.50	2.68	71.73	2.10	67.00	1.52	57.43	0.94	49.14	0.36	18.00		
3.83	86.17	3.25	78.38	2.67	71.60	2.09	66.90	1.51	57.29	0.93	49.00	0.35	17.50		
3.82	86.00	3.24	78.25	2.66	71.47	2.08	66.80	1.50	57.14	0.92	48.86	0.34	17.00		
3.81	85.83	3.23	78.13	2.65	71.33	2.07	66.70	1.49	57.00	0.91	48.71	0.33	16.50		
3.80	85.67	3.22	78.00	2.64	71.20	2.06	66.60	1.48	56.86	0.90	48.57	0.32	16.00		
3.79	85.50	3.21	77.88	2.63	71.07	2.05	66.50	1.47	56.71	0.89	48.43	0.31	15.50		
3.78	85.33	3.20	77.75	2.62	70.93	2.04	66.40	1.46	56.57	0.88	48.29	0.30	15.00		
3.77	85.17	3.19	77.63	2.61	70.80	2.03	66.30	1.45	56.43	0.87	48.14	0.29	14.50		
3.76	85.00	3.18	77.50	2.60	70.67	2.02	66.20	1.44	56.29	0.86	48.00	0.28	14.00		
3.75	84.83	3.17	77.38	2.59	70.53	2.01	66.10	1.43	56.14	0.85	47.86	0.27	13.50		
3.74	84.67	3.16	77.25	2.58	70.40	2.00	66.00	1.42	56.00	0.84	47.71	0.26	13.00		
3.73	84.50	3.15	77.13	2.57	70.27	1.99	65.90	1.41	55.86	0.83	47.57	0.25	12.50		