

# NATIONAL TSING HUA UNIVERSITY

## Directives Governing the Grading of Students' Performance

Approved by the 1<sup>st</sup> Academic Affairs Meeting for 2009 academic year dated October 22 2009

Amendment by the 3<sup>rd</sup> Academic Affairs Meeting for 2010 academic year dated January 6 2011

Amendment to Article 2 by the 4<sup>th</sup> Academic Affairs Meeting for 2012 academic year dated March 8 2012

Amendment to Articles 3, 6, 7 by the 4<sup>th</sup> Academic Affairs Meeting for 2012 academic year dated April 18 2013

Amendment to Article 1 by the 1<sup>st</sup> Academic Affairs Meeting for 2013 academic year dated December 12 2013

Amendment to Articles 2, 6, 7 by the 1<sup>st</sup> Academic Affairs Meeting for 2014 academic year dated October 16 2014

Amendment to Articles 4, 5, 6, 8, 9, 10, 11, 12 by the 3<sup>rd</sup> Academic Affairs Meeting for 2016 academic year dated March 8 2018

Amendment to Article 7 by the 4<sup>th</sup> Academic Affairs Meeting for 2017 academic year dated June 21 2018

Amendment to Articles 6, 8, 8-1 by the 5<sup>th</sup> Academic Affairs Meeting for 2020 academic year dated June 10, 17, 28 2021

Amendment to Articles 9, 10 by the 3<sup>rd</sup> Academic Affairs Meeting for 2023 academic year dated March 9 2023

Amendment to Article 10 by the 4<sup>th</sup> Academic Affairs Meeting for 2024 academic year dated May 29 2025

- Article 1 National Tsing Hua University (hereinafter referred to as "the University") formulates these directives in accordance with Article 22 of its *Academic Regulations* to handle student grades.
- Article 2 The change of the grading system from percentage grades to letter grades has taken effect in Academic Year 2010. Instructors 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 students' semester grades based on the attainment of the course objectives. 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 students enrolled in the University prior to the adoption of the letter grade system and for undergraduate students who enrolled after its adoption but graduated in or before Academic Year 2012 due to factors such as transfer, credit-transfer resulting in advancement of year level, or early graduation with academic excellence. Academic transcripts in English are noted with the letter grade percentage range (see Table 1).  
For students enrolled after the adoption of the letter grade system and undergraduate students enrolled prior to the adoption but graduated after Academic Year 2012 due to taking a leave of absence, transferring with grade demotion, a *NTHU Letter Grade to Percentage Grade Conversion Table for Individual Courses* (see Table 2) and the Grade Point Average (GPA) of letter grades shall be appended to their various types of transcripts.  
The grades of undergraduate students originally subject to the percentage grade system, but whose graduation is delayed until three years after the adoption of the letter grade system, shall be converted to letter grades in accordance with Table 2 and included in the current-year graduation (cumulative) ranking, leaving their original semester

rankings unchanged.

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

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

Article 6 In addition to the GPA displayed on official transcripts, relative course grades shall be provided for grades received after Academic Year 2018, and T-scores shall be provided for grades received after Academic Year 2021. Undergraduate students enrolled in or after Academic Year 2018 shall be provided with the semester class, cumulative, and graduation rankings corresponding to each relative course grade received, whereas those enrolled in or after Academic Year 2021 shall be provided with the respective 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 shall not be provided for inter-university courses, courses waived via credit transfer, and pass/fail courses.

The semester grade average, cumulative grade average, and graduation grade average for relative course grades 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 The 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 diverted into 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 retain their admission status and delayed graduation students are excluded from rankings.
- 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, delayed graduation students, and dismissed/withdrawn students who have taken courses in the preceding semester (including summer term) are included in the rankings. Following a transfer or diversion into a new department, class, or division, a student's cumulative ranking will be calculated together with the students of that new department, class, or division.
- III. Graduation ranking: All graduates of a given class within that academic year are ranked according to their final graduation grades.

Article 11 At the start of class for each semester, the tentative rankings of students are compiled for the preceding semester regardless of whether the grades of all 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<br>Used to convert the<br>grades of NTHU<br>students who did not<br>graduate before the<br>adoption of the letter<br>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-<br>Passing grade for<br>graduates      | 70~72            | 2.7         | 71                                                                                                                                                 |
| C+                                        | 67~69            | 2.3         | 68                                                                                                                                                 |
| C                                         | 63~66            | 2.0         | 65                                                                                                                                                 |
| C-<br>Passing grade for<br>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-<br>( Passing grade for graduates )      | Some goals achieved with minor flaws                  |
| C+                                         | Minimum goals achieved                                |
| C                                          | Minimum goals achieved with minor flaws               |
| C-<br>( 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 | 88.63  | 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 | 88.27  | 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 | 87.90  | 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 | 87.53  | 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 | 87.17  | 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 | 86.80  | 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 | 86.43  | 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 | 86.07  | 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 | 85.70  | 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 | 85.33  | 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 | 84.97  | 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 | 84.60  | 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 | 84.23  | 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 | 83.87  | 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 | 83.50  | 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 | 83.13  | 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 | 82.77  | 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 | 82.40  | 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 | 82.03  | 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 | 81.67  | 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 | 81.30  | 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 | 80.93  | 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 | 80.57  | 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 | 80.20  | 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 | 79.83  | 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 | 79.47  | 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 | 79.10  | 3.15 | 77.13 | 2.57 | 70.27 | 1.99 | 65.90 | 1.41 | 55.86 | 0.83 | 47.57 | 0.25 | 12.50 |      |       |