

**DEPARTMENT OF ELECTRICAL ENGINEERING, NATIONAL TAIPEI  
UNIVERSITY OF TECHNOLOGY**  
**Scoring Regulations Concerning the Research Achievements of Technology-  
Oriented Postgraduate Students**

Established by the Academic Review Meeting on 6 November 2012  
Amended by the Academic Review Meeting on 27 November 2012  
Approved by the Department Affairs Meeting on 4 December 2012

- I. The present regulations are established in accordance with Article III, Paragraph 4, of the “National Taipei University of Technology Regulations for Postgraduate Examinations” to evaluate the research achievements of technology-oriented postgraduate students (hereafter referred to as “postgraduate students”) studying in the Department of Electrical Engineering (hereafter referred to as “the Department”) and regulate the scoring method for their patents, university–industry projects, technology transfers, international exhibition invention awards, and academic papers.
- II. University–industry projects shall satisfy the following criteria in order to be eligible for scoring. Each research achievement may only be scored **once**.
  - A. Completed projects (the completion year of multi-year projects is based on the end of year).
  - B. Projects initiated and completed within the student’s postgraduate program period and undertaken in the name of the National Taipei University of Technology (hereafter referred to as “the University”); project content consistent with the student’s scope of research.
  - C. The principal investigator is the student’s advisor.
  - D. Project is formulated by the student and implemented by enterprises or government department.
- III. Patents must satisfy the following criteria in order to be eligible for scoring. Each research achievement may only be scored **once**.

- A. Approved invention patents.
  - B. Patents completed within the student's postgraduate program period and approved in the name of the University; patent content consistent with the student's scope of research.
- IV. Technology transfers shall satisfy the following criteria in order to be eligible for scoring. Each research achievement may only be scored **once**.
- A. Payment for technology transfer received.
  - B. Transfers completed within the student's postgraduate program period and in the name of the University. Transfer content consistent with the student's scope of research.
  - C. The contractor is the student's advisor.
  - D. Technology transfer projects derived from student's approved invention patents or university–industry projects.
- V. International invention exhibition awards shall satisfy the following criteria in order to be eligible for scoring. Each research achievement may only be scored **once**.
- A. The three major international invention exhibitions are INPEX, the Geneva International Exhibition of Inventions, and the iENA. Popular international invention exhibitions include ITEX Malaysia, Seoul International Invention Fair, British Invention Show, International Warsaw Invention Show, International Salon of Inventions and New Technologies, Tokyo Invention Show, ConcoursLépine, Inventeco International Invention Show, Taipei International Invention Show and Technomart, and other international invention exhibitions approved and announced by the Taiwan Intellectual Property Office.
  - B. Exhibition participation completed within the student's postgraduate program period and in the name of the University; exhibition content consistent with the student's scope of research.

VI. Academic papers, including full dissertations, short dissertations, and conference papers, shall satisfy the following criteria in order to be eligible for scoring. Each research achievement may only be scored **once**.

- A. Papers submitted within the student's postgraduate program period; paper content consistent with the student's scope of research.
- B. Published or approved papers with the Department as the first publication unit and advisor listed as the co-author.

The scoring standard is as follows (Note: different from the scoring standard for academic-oriented students):

- A. A-Class papers: **Four** points are awarded to SCI or SSCI that achieve an average ranking of the top 50% from two years prior to the submission date to the date of acceptance.
- B. B-class papers: **Three** points are awarded to SCI papers.
- C. C-class papers: English EI papers.
- D. D-class papers: **One** to **two** points are awarded to key international conference papers and English papers published in general journals.

VII. The rankings and scoring standard for research achievements stipulated from Articles II to Article V are listed as follows:

A-class technologies: **Four** points are awarded to (1) university–industry projects with a cumulative amount of NT\$10 million; (2) US, European, and Japanese invention patents; and (3) technology transfer projects with a cumulative amount of NT\$1.5 million.

B-class technologies: **Three** points are awarded to (1) university–industry projects with a cumulative amount of NT \$8 million; (2) Taiwanese, Chinese, New Zealand, and Australian invention patents; (3) technology transfer projects with a cumulative amount of NT\$1.2 million; and (4) first place in the three major international invention exhibitions.

C-class technologies: **Two** points are awarded to (1) university–industry projects with a cumulative amount of NT\$5 million; (2) technology transfer projects with a cumulative amount of NT\$750,000; (3) first place in world-renowned international invention exhibitions; and (4) second or third place in the three major international invention exhibitions.

D-class technologies: **One** point is awarded to (1) university–industry projects with a cumulative amount of NT \$3 million; (2) technology transfer projects with a cumulative amount of NT \$450,000; and (3) second or third place in popular international invention exhibitions.

VIII. For research achievements stipulated from Article II to Article VI that are completed by more than one researcher, scores are allocated as follows:

First author receives the **full** amount of the scores.

Second author receives **half** the amount of the scores.

Third author receives **a third** of the amount of the scores.

For academic papers, advisors shall choose whether to be included in the aforementioned author ranking.

IX. Postgraduate students shall comply with the following criteria to be eligible for graduation:

A. Complete a three-year postgraduate course, obtain a minimum cumulative graduation score of **nine**, and satisfy the following conditions:

1. Undertake university–industry projects for a cumulative amount of NT\$5 million.
2. Attain A-class technological achievements.
3. Submit a B-class paper.

B. Complete a postgraduate course longer than three years, obtain a minimum cumulative graduation score of **eight**, and satisfy the following conditions:

1. Undertake university–industry projects for a cumulative amount of NT\$5 million.
  2. Attain A-class technological achievements.
  3. Submit a C-class paper.
- C. Complete a postgraduate course longer than three years, obtain a minimum cumulative graduation score of **nine**, and satisfy the following conditions:
1. Undertake university–industry projects for a cumulative amount of NT\$5 million.
  2. Attain B-class technological achievements.
  3. Submit a D-class paper.
- D. A maximum score of **two** may be awarded to D-class papers

Students shall also complete the required course, attain the required credits (in addition to their dissertation), and pass their qualifying examination. Once these criteria are satisfied, students can complete the “Department of Electrical Engineering Postgraduate Dissertation (Research Achievement) Scoring Review Form.” Once the form is approved and signed by the student’s advisor, it shall be submitted to the Department Academic Review Board to be approved by the Department Director.

Once postgraduate students satisfy the scoring criteria for their research achievements, they become eligible to apply for their dissertation oral examination. However, the actual time of their oral examination is decided by their advisor based on their actual research achievements.

External committee members for technology-oriented postgraduate examinations should comprise at least two experts in the relevant industry.

- X. Matters not mentioned in the present regulations shall be handled in accordance with the decision of the department-level Academic Review Meeting and relevant University regulations.
- XI. The present regulations shall be implemented once approved in the department-level Academic Review Meeting and the Department Affairs Meeting, and archived by the

Academic Affairs Office. The same procedure shall be carried out when amendments are made.

### Technology-Oriented Postgraduate Program Score Summary

	Points	University– industry projects	Invention patents	Technology transfers	Invention exhibitions	Graduate within three years	Graduate over three years	
A-class technology	4	NT\$10 Million	US, EU, JP	NT\$1.5 Million		✓	✓	
B-class technology	3	NT\$8 Million	TW, CN, NZ, AU	NT\$1.2 Million	First Place in Top Three Exhibitions			✓
C-class technology	2	NT\$5 Million		NT 0.75 Million	First Place in Top Three Exhibitions; First Place in Popular Exhibitions	university– industry✓	univers ity– industr y✓	univers ity– industr y✓
D-class technology	1	NT\$3 Million		NT\$0.45 Million	Second Place in Popular Exhibitions			
A-class dissertation	4	SCI Top 50%						
B-class dissertation	3	SCI				✓		
C-class dissertation	2	EI					✓	
D-class dissertation (1 to 2 points)		International conference; general journals						✓
Graduation score						<b>9</b>	<b>8</b>	<b>9</b>