

National Taiwan University of Science and Technology College of Electrical Engineering and Computer Science Regulations for Faculty Promotion Review

Passed at the Third College Faculty Evaluation Committee Meeting of the 2017–2018 academic year on November 27, 2017
Passed at the First College Affairs Meeting of the 2017–2018 academic year on January 8, 2018
Passed at the Fourth College Faculty Evaluation Committee Meeting of the 2018–2019 academic year on December 24, 2018
Passed at the First College Affairs Meeting of the 2018–2019 academic year on January 9, 2019
Passed at the Sixth College Faculty Evaluation Committee Meeting of the 2018–2019 academic year on March 15, 2019
Passed at the Second College Affairs Meeting of the 2018–2019 academic year on June 10, 2019
Passed at the Fourth College Faculty Evaluation Committee Meeting of the 2019–2020 academic year on November 13, 2019
Passed at the First College Affairs Meeting of the 2019–2020 academic year on December 9, 2019
Passed at the First College Faculty Evaluation Committee Meeting of the 2020–2021 academic year on September 23, 2020
Passed at the First College Affairs Meeting of the 2020–2021 academic year on October 8, 2020
Passed at the First College Affairs Meeting of the 2021–2022 academic year on December 1, 2021

Article 1 These regulations were formulated in accordance with Articles 7-1, 7-2, and 7-3 of the Regulations Governing the Recruitment and Promotion of Faculty at the National Taiwan University of Science and Technology (hereafter “the University”).

Article 2 Faculty members of the College of Electrical Engineering and Computer Science (hereafter “the College”) applying for promotion shall meet the qualifications specified in the Act Governing the Appointment of Educators and the University’s Regulations Governing the Recruitment and Promotion of Faculty. Faculty members appointed at a rank lower than their highest academic qualification are exempt from the requirement of minimum service years. Applicants must also meet the College’s thresholds for teaching, research (or development), service, and mentoring (refer to Appendix 1).

Faculty members who submit a monograph on teaching practice as their contribution shall have received a Teaching Excellence Award during their current rank in addition to meeting the College’s research requirements for promotion by monograph.

Article 3 The College’s faculty promotion evaluation shall include teaching, research (or development), service, and mentoring. Both departmental (or institutional) faculty evaluation committees and the College’s faculty evaluation committee shall conduct assessments in line with the standards established by the College (refer to Appendix 2). For promotion candidates, scores for teaching, service, and mentoring shall each be calculated on a 100-point scale, with 50% of each score determined by the respective departmental (or institutional) faculty evaluation committee and the remaining 50% assessed by the College’s Faculty Evaluation Committee in accordance with the standards established by the College. Candidates whose scores in teaching, service, and mentoring each reach at least 80 points and whose research (or development) meets the criteria specified in Article 7-2 of the University’s Regulations Governing the Recruitment and Promotion of Faculty shall undergo a final review by the University’s Faculty Evaluation Committee.

Article 4 During the review by the College’s Faculty Evaluation Committee, promotion candidates shall be invited to attend and present their reports.

Article 5 Matters not covered in these regulations shall be handled in accordance with applicable regulations stipulated by the Ministry of Education, the University, and the College.

Article 6 These regulations and any amendments thereto shall take effect upon approval by the College Affairs Meeting and submission to the University's Faculty Evaluation Committee for recordkeeping.

College of Electrical Engineering and Computer Science
Faculty Promotion Thresholds

Teaching	Service and Mentoring
<p>Within the current rank, or within the 5 years preceding promotion (extendable to 7 years in cases of maternity or parental leave), faculty members shall meet at least two of the following criteria:</p> <ol style="list-style-type: none"> 1. Received a teaching award from the University or an external institution. 2. Taught at least one required course per year on average. 3. Achieved teaching evaluation scores higher than the departmental average or <u>above 4.0</u> in more than 60% of the courses taught. <u>Departmental averages and course evaluation scores</u> shall be separately calculated for the required courses, electives, undergraduate courses, graduate courses, and English-taught courses, with <u>the highest and lowest 5% excluded</u>. 4. Supported the teaching of departmental or cross-departmental courses (e.g., Ministry of Education projects, temporary coverage due to faculty vacancies or leave, college-wide course support, IEET accreditation requirements, or courses taught in English). 5. Supervised students in national or international programming or thematic competitions and received awards. 	<p>Within the current rank, faculty members shall meet at least five of the following criteria:</p> <ol style="list-style-type: none"> 1. Served as a university administrative director or executive assistant. 2. Participated in committees at the university, college, or department level. 3. Participated in examination preparation, admission interviews, accreditation, or evaluation activities within or outside the University. 4. Served as an advisor. 5. Served as an advisor or judge for competitions, performances, or related activities. 6. Provided mentoring with documented evidence. 7. Received an award for mentoring or service. 8. Organized or co-organized a national academic or <u>technical conference</u>. 9. Organized or co-organized an international academic or <u>technical conference</u>. 10. Served as an editor-in-chief, editorial board member, or reviewer for domestic (TSSCI) or international (SCI or SSCI) journals of repute. 11. Undertook major responsibilities related to IEET accreditation or other tasks assigned by the department, College, or University.

College of Electrical Engineering and Computer Science Faculty
Promotion Thresholds Based on Monographs

Research (Assistant Professor to Associate Professor)	Research (Associate Professor to Professor)
<p>Within the current rank, faculty members shall meet any three of the following criteria:</p> <ol style="list-style-type: none"> 1. Accumulated at least 120 points in research performance bonuses, as calculated within the University's Directives for Research and Development Performance Awards. 2. Published at least three SCI-indexed journal articles as the first author or as a primary author, except for their supervised students. 3. Completed at least three projects as a principal investigator, funded by the Ministry of Science and Technology (currently the National Science and Technology Council) or through industry–academia collaboration. 4. Participated in at least five projects funded by the Ministry of Science and Technology (currently the National Science and Technology Council) or through industry–academia collaboration, serving as a principal investigator, co-principal investigator, or collaborating investigator. 5. Obtained at least two invention patents with more than 50% ownership held by the University or another public legal entity (patent recognition based on publication date), with documented evidence of technology transfer or industry–academia collaboration. 6. Secured cumulative international collaboration funding of at least NT\$300,000 under the University's name (excluding projects undertaken only because of administrative appointments). 7. Received the Wu Ta-You Award from the Ministry of Science and Technology (currently the National Science and Technology Council). 8. Received a University Outstanding or Excellent Research Award. 	<p>Within the current rank, faculty members shall meet any four of the following criteria:</p> <ol style="list-style-type: none"> 1. Accumulated at least 210 points in research performance bonuses, as calculated within the University's Directives for Research and Development Performance Awards. 2. Published at least seven SCI-indexed journal articles as the first author or as a primary author, except for their supervised students. 3. Completed at least four projects as a principal investigator, funded by the Ministry of Science and Technology (currently the National Science and Technology Council) or through industry–academia collaboration. 4. Participated in at least 10 projects funded by the Ministry of Science and Technology (currently the National Science and Technology Council) or through industry–academia collaboration, serving as a principal investigator, co-principal investigator, or collaborating investigator. 5. Obtained at least four invention patents with more than 50% ownership held by the University or another public legal entity (patent recognition based on publication date), with documented evidence of technology transfer or industry collaboration. 6. Secured cumulative international collaboration funding of at least NT\$300,000 under the University's name (excluding projects undertaken only because of administrative appointments). 7. Received the Wu Ta-You Award or the Outstanding Research Award from the Ministry of Science and Technology (currently the National Science and Technology Council).

<p>9. Produced at least one creative work, had at least one competition achievement, or made at least one contribution of practical importance or international standing, as certified by the University's Office of Research and Development.</p>	<p>8. Received a University Outstanding or Excellent Research Award.</p> <p>9. Produced at least two creative works, had at least two competition achievements, or made at least two contributions of practical importance or international standing, as certified by the University's Office of Research and Development.</p>
--	--

Notes: 1. Research publication scores shall be calculated in accordance with the attached table. The definition of first authorship shall follow the regulations of the Office of Research and Development.

2. Multiyear projects funded by the Ministry of Science and Technology (currently the National Science and Technology Council) or through industry-academia collaboration shall be counted as one project for each year of implementation.

College of Electrical Engineering and Computer Science Research and Development Thresholds for Faculty Promotion Based on Technical Reports

Research <u>Development</u> (Assistant Professor to Associate Professor)	Research <u>Development</u> (Associate Professor to Professor)
<p>Within the current rank, faculty members shall meet three of the following criteria, including at least one from items 1 to 4, which constitute the University's technical promotion standards:</p> <ol style="list-style-type: none"> 1. Secured cumulative research funding of at least NT\$5 million within projects under the University's name or with subawarded funding allocated to the University (excluding projects undertaken only because of administrative appointments; for industry–academia collaboration projects, recognition shall be based on contract completion date). 2. Generated cumulative revenue of at least NT\$1.5 million from a single technology transfer project under the University's name (recognition based on contract completion date). 3. Obtained at least two invention patents with more than 50% ownership held by the University or another public legal entity (patent recognition based on publication date), with documented evidence of technology transfer or industry collaboration. 4. Achieved at least one competition result of international standing, as certified by the University's Office of Research and Development. 5. Accumulated at least 120 points in research and development performance bonuses, calculated in accordance with the University's Regulations for Research and Development Performance Awards. 6. Published at least two SCI-indexed journal articles as the first author or as a primary author, except for their supervised students. 7. Completed at least four projects as a principal investigator, funded by the Ministry of 	<p>Within the current rank, faculty members shall meet four of the following criteria, including at least one from items 1 to 4, which constitute the University's technical promotion standards:</p> <ol style="list-style-type: none"> 1. Secured cumulative research funding of at least NT\$5 million within projects under the University's name or with subawarded funding allocated to the University (excluding projects undertaken only because of administrative appointments; for industry–academia collaboration projects, recognition shall be based on contract completion date). 2. Generated cumulative revenue of at least NT\$1.5 million from a single technology transfer project under the University's name (recognition based on contract completion date). 3. Obtained at least four invention patents with more than 50% ownership held by the University or another public legal entity (patent recognition based on publication date), with documented evidence of technology transfer or industry collaboration. 4. Achieved at least two competition results of international standing, as certified by the University's Office of Research and Development. 5. Accumulated at least 240 points in research and development performance bonuses, calculated in accordance with the University's Regulations for Research and Development Performance Awards. 6. Published <u>at least three SCI-indexed journal articles</u> as the first author or as a primary author, except for their supervised students. 7. Completed at least six projects as a principal investigator, funded by the Ministry of Science

<p>Science and Technology (currently the National Science and Technology Council) or the Ministry of Education or through industry–academia collaboration.</p> <p>8. Participated in at least six projects funded by the Ministry of Science and Technology (currently the National Science and Technology Council) or through industry–academia collaboration, serving as a principal investigator, co-principal investigator, or collaborating investigator.</p> <p>9. Secured cumulative international collaboration funding of at least NT\$300,000 under the University’s name (excluding projects undertaken only because of administrative appointments).</p> <p>10. Received the Wu Ta-You Award from the Ministry of Science and Technology (currently the National Science and Technology Council).</p> <p>11. Received a University Outstanding or Excellent Research Award.</p>	<p>and Technology (currently the National Science and Technology Council) or the Ministry of Education or through industry–academia collaboration.</p> <p>8. Participated in at least 12 projects funded by the Ministry of Science and Technology (currently the National Science and Technology Council) or through industry–academia collaboration, serving as a principal investigator, co-principal investigator, or collaborating investigator.</p> <p>9. Secured cumulative international collaboration funding of at least NT\$300,000 under the University’s name (excluding projects undertaken only because of administrative appointments).</p> <p>10. Received the Wu Ta-You Award or the Outstanding Research Award from the Ministry of Science and Technology (currently the National Science and Technology Council).</p> <p>11. Received a University Outstanding or Excellent Research Award.</p>
---	--

Notes: 1. The recognition of invention patents, technology transfer achievements, technology competition awards, and tangible outcomes of industry–academia collaboration shall follow the regulations stipulated by the Office of Research and Development.

2. Multiyear projects funded by the Ministry of Science and Technology (currently the National Science and Technology Council) or industry–academia collaboration projects shall be counted as one project for each year of implementation.

**College of Electrical Engineering and Computer Science Teaching
Evaluation Criteria for Faculty Promotion Applications**

	<p style="text-align: center;">Evaluation is based on performance during the most recent 5 years at the current rank (extendable to 7 years in cases of maternity or parental leave). Candidates may select one option per category.</p>
	<p>1. Teaching Awards:</p> <p><input type="checkbox"/> Received a teaching award from the University or an external institution: 15 points (Major achievements may be noted as remarks)</p>
	<p>2. Required Courses:</p> <p><input type="checkbox"/> Taught at least one required course per year on average: 10 points <input type="checkbox"/> Taught at least two required courses per year on average: 15 points (Major achievements may be noted as remarks)</p>
	<p>3. Required or Elective Practicum Courses:</p> <p><input type="checkbox"/> Taught at least one required or elective practicum course per year on average: 5 points <input type="checkbox"/> Personally supervised at least one required or elective practicum course per year on average: 10 points <input type="checkbox"/> Personally supervised at least two required or elective practicum courses per year on average: 15 points (Major achievements may be noted as remarks)</p>
	<p>4. Teaching Evaluations:</p> <p><input type="checkbox"/> Achieved evaluation scores above the departmental average or above 4.0 in more than 40% of personally taught courses: $7.5 \times (\text{number of undergraduate courses} \div \text{total courses taught}) + 7.5$ points (rounded) <input type="checkbox"/> Achieved evaluation scores above the departmental average or above 4.0 in more than 60% of personally taught courses: $10 \times (\text{number of undergraduate courses} \div \text{total courses taught}) + 10$ points (rounded) <input type="checkbox"/> Achieved evaluation scores above the departmental average or above 4.0 in more than 80% of personally taught courses: $12.5 \times (\text{number of undergraduate courses} \div \text{total courses taught}) + 12.5$ points (rounded) Departmental averages and course evaluation scores shall be separately calculated for the required courses, electives, undergraduate courses, graduate courses, and English-taught courses, with the highest and lowest 5% excluded. (Major achievements may be noted as remarks)</p>
	<p>5. English-Medium Instruction (select one):</p> <p><input type="checkbox"/> Taught at least one English-taught course every 2 years on average: 10 points <input type="checkbox"/> Taught at least one English-taught course per year on average: 15 points <input type="checkbox"/> Taught at least one English-taught course per semester on average: 20 points <input type="checkbox"/> Taught at least one English-taught required undergraduate course per year on average: 20 points</p>

	<p><input type="checkbox"/> Taught at least one English-taught required undergraduate course per semester on average: 30 points (Major achievements may be noted as remarks)</p> <p>6. Teaching Service:</p> <p><input type="checkbox"/> Supported the teaching of departmental or cross-departmental courses (e.g., temporary coverage due to faculty vacancies or leave, college-wide course support, or courses required for IEET accreditation): 15 points (Major achievements may be noted as remarks)</p> <p>7. Teaching Projects:</p> <p><input type="checkbox"/> Participated in Ministry of Education teaching projects: 6 points</p> <p><input type="checkbox"/> Served as a principal investigator or co-principal investigator of Ministry of Education teaching projects: 15 points (Major achievements may be noted as remarks)</p> <p>8. Competitions:</p> <p><input type="checkbox"/> Supervised students in on-campus programming, thematic, or project competitions and received awards: 6 points</p> <p><input type="checkbox"/> Supervised students in national or international programming or thematic competitions and received awards: 15 points (Major achievements may be noted as remarks)</p> <p style="text-align: center;">Subtotal for Self-Evaluation Items: Maximum 70 points</p>
Departmental Faculty Evaluation Committee's Comprehensive Assessment	The Departmental Faculty Evaluation Committee may assign a comprehensive score, up to a maximum of 30 points, based on teaching feedback surveys and overall teaching performance.
College Faculty Evaluation Committee's Comprehensive	The College Faculty Evaluation Committee may assign a comprehensive score, up to a maximum of 30 points, based on teaching feedback surveys and overall teaching performance.

Assessment	
Departmental Faculty Evaluation Committee's Evaluation Score (self-evaluation score confirmed by the Departmental Faculty Evaluation Committee + committee's comprehensive assessment)	50%
College Faculty Evaluation Committee's Evaluation Score (self-evaluation score confirmed by the Departmental Faculty Evaluation Committee + committee's comprehensive assessment)	50%
Final Teaching Score	Recommendation criterion: Must reach 80 points or above

**College of Electrical Engineering and Computer Science Teaching
Evaluation Criteria for Faculty Promotion Based on Teaching Practice**

	<p>Evaluation is based on performance during the most recent 5 years at the current rank (extendable to 7 years in cases of maternity or parental leave). Candidates may select one option per category.</p>
	<p>1. Teaching Awards:</p> <p><input type="checkbox"/> Received a teaching award from the University or an external institution (excluding the University Outstanding or Excellent Research Award): 15 points (Major achievements may be noted as remarks)</p>
	<p>2. Required Courses:</p> <p><input type="checkbox"/> Taught at least one required course per year on average: 10 points</p> <p><input type="checkbox"/> Taught at least two required courses per year on average: 15 points (Major achievements may be noted as remarks)</p>
	<p>3. Required or Elective Practicum Courses:</p> <p><input type="checkbox"/> Taught at least one required or elective practicum course per year on average: 5 points</p> <p><input type="checkbox"/> Personally supervised at least one required or elective practicum course per year on average: 10 points</p> <p><input type="checkbox"/> Personally supervised at least two required or elective practicum courses per year on average: 15 points (Major achievements may be noted as remarks)</p>
	<p>4. Teaching Evaluations (not applicable for applicants submitting a technical report on teaching practice for review):</p> <p><input type="checkbox"/> Achieved evaluation scores above the departmental average or above 4.0 in more than 40% of personally taught courses: $7.5 \times (\text{number of undergraduate courses} \div \text{total courses taught}) + 7.5$ points (rounded)</p> <p><input type="checkbox"/> Achieved evaluation scores above the departmental average or above 4.0 in more than 60% of personally taught courses: $10 \times (\text{number of undergraduate courses} \div \text{total courses taught}) + 10$ points (rounded)</p> <p><input type="checkbox"/> Achieved evaluation scores above the departmental average or above 4.0 in more than 80% of personally taught courses: $12.5 \times (\text{number of undergraduate courses} \div \text{total courses taught}) + 12.5$ points (rounded)</p> <p>Departmental averages and course evaluation scores shall be separately calculated for the required courses, electives, undergraduate courses, graduate courses, and English-taught courses, with the highest and lowest 5% excluded. (Major achievements may be noted as remarks)</p>
	<p>5. Instruction in English (select one):</p> <p><input type="checkbox"/> Taught at least one course in English every 2 years on average: 10 points</p> <p><input type="checkbox"/> Taught at least one course in English per year on average: 15 points</p> <p><input type="checkbox"/> Taught at least one course in English per semester on average: 20 points</p> <p><input type="checkbox"/> Taught at least one required undergraduate course in English per year on average: 20 points</p>

	<p><input type="checkbox"/> Taught at least one required undergraduate course in English per semester on average: 30 points (Major achievements may be noted as remarks)</p>
	<p>6. Teaching Service:</p> <p><input type="checkbox"/> Supported the teaching of departmental or cross-departmental courses (e.g., temporary coverage due to faculty vacancies or leave, college-wide course support, or courses required for IEET accreditation): 15 points (Major achievements may be noted as remarks)</p>
	<p>7. Teaching Projects:</p> <p><input type="checkbox"/> Participated in Ministry of Education teaching projects: 6 points <input type="checkbox"/> Served as a principal investigator or co-principal investigator of Ministry of Education teaching projects: 15 points (Major achievements may be noted as remarks)</p>
	<p>8. Competitions:</p> <p><input type="checkbox"/> Supervised students in on-campus programming, thematic, or project competitions and received awards: 6 points <input type="checkbox"/> Supervised students in national or international programming or thematic competitions and received awards: 15 points</p> <p>(Not applicable when the teaching practice technical report submitted for review already covers this item) (Major achievements may be noted as remarks)</p>
	<p>Subtotal for Self-Evaluation Items: Maximum 70 points</p>
Departmental Faculty Evaluation Committee's Comprehensive Assessment	<p>The Departmental Faculty Evaluation Committee may assign a comprehensive score, up to a maximum of 30 points, based on teaching feedback surveys and overall teaching performance.</p>
College Faculty Evaluation Committee	<p>The College Faculty Evaluation Committee may assign a comprehensive score, up to a maximum of 30 points, based on teaching feedback surveys and overall teaching performance.</p>

ttee's Compr ehensiv e Assess ment	
Departmental (Institutional) Evaluation Score (self-evaluation score confirmed by the Departmental Faculty Evaluation Committee + committee's comprehensive assessment)	50%
College Evaluation Score (self-evaluation score confirmed by the Departmental Faculty Evaluation Committee + committee's comprehensive assessment)	50%
Final Teaching Score	Recommendation criterion: Must reach 80 points or above

**College of Electrical Engineering and Computer Science Evaluation Criteria
for Faculty Promotion Based on Service and Mentoring**

	Evaluation is based on performance during the most recent 5 years at the current rank (extendable to 7 years in cases of maternity or parental leave).
<p align="center">Self-Evaluation Items</p> <p>(to be completed by the applicant with supporting documentation attached)</p>	<p>1. Service as a second-tier (or above) administrator or executive assistant within the university: 8 points per semester, up to 20 points (Major achievements may be noted as remarks)</p>
	<p>2. Participation in committees at the university, college, or department level: 2 points per semester, up to 8 points (Major achievements may be noted as remarks)</p>
	<p>3. Participation in examination preparation within or outside the University or admission work: 2 points per semester, up to 8 points</p>
	<p>4. Service as an advisor: 2 points per semester, up to 8 points (Major achievements may be noted as remarks)</p>
	<p>5. Service as an advisor or judge for competitions, performances, or related activities within or outside the University: 3 points per event, up to 12 points (Major achievements may be noted as remarks)</p>
	<p>6. Mentoring with documented evidence: 2 points per case, up to 8 points (Major achievements may be noted as remarks)</p>
	<p>7. Receipt of awards for mentoring or service: 15 points (Major achievements may be noted as remarks)</p>
	<p>8. Service as a reviewer for domestic (TSSCI) or international (SCI or SSCI) journals: 2 points per review, up to 8 points (Major achievements may be noted as remarks)</p>
	<p>9. Service as an editor-in-chief, editorial board member, or associate editor for domestic (TSSCI) or international (SCI or SSCI) journals: 15 points (Major achievements may be noted as remarks)</p>
	<p>10. Service as an IEET accreditation reviewer (8 points) or completion of other tasks assigned by the department, College, or University (2 points per case, up to 8 points total), with a combined maximum score for both categories of 8 points (Major achievements may be noted as remarks)</p>
	<p>11. Participation in international exchange or recruitment activities abroad on behalf of the College or department: 5 points per event, up to 15 points (Major achievements may be noted as remarks)</p>

	<p>12. Organization of national academic or technical conferences, serving as a chair, co-chair, or track chair of the organizing committee or technical program committee: 5 points per event, up to 15 points (Major achievements may be noted as remarks)</p>
	<p>13. Co-organization of national academic or technical conferences, serving as a member of the organizing committee or technical program committee: 2 points per event, up to 8 points (Major achievements may be noted as remarks)</p>
	<p>14. Organization of international academic or technical conferences, serving as a chair, co-chair, or track chair of the organizing committee or technical program committee: 5 points per event, up to 15 points (Major achievements may be noted as remarks)</p>
	<p>15. Co-organization of international academic or technical conferences, serving as a member of the organizing committee or technical program committee: 2 points per event, up to 8 points (Major achievements may be noted as remarks)</p>
	<p>16. Service as a reviewer for professional activities or delivery of academic or technical lectures outside the University: 2 points per event, up to 8 points (Major achievements may be noted as remarks)</p>
	<p>Subtotal for Self-Evaluation Items: Maximum 70 points</p>
Departmental Faculty Evaluation Committee's Comprehensive Assessment	<p>The Faculty Evaluation Committee shall assign a comprehensive score, up to a maximum of 30 points, based on the applicant's overall administrative service performance in coordination with department, college, and university leadership.</p>
College Faculty Evaluation Committee's Comprehensive Assessment	<p>The Faculty Evaluation Committee shall assign a comprehensive score, up to a maximum of 30 points, based on the applicant's overall administrative service performance in coordination with department, college, and university leadership.</p>
Departmental (Institutional) Evaluation Score (self-evaluation score confirmed by the Departmental Faculty Evaluation Committee + College Faculty Evaluation Committee's comprehensive assessment)	<p>50%</p>
College Evaluation Score	<p>50%</p>

(self-evaluation score confirmed by the Departmental Faculty Evaluation Committee + College Faculty Evaluation Committee's comprehensive assessment)	
Final Service and Mentoring Score	Criterion for recommendation: Must reach 80 points or above