

NATIONAL TAIWAN UNIVERSITY
College of Engineering
Institute of Industrial Engineering
Specific Rules for the Doctoral Degree Program

June 11, 2014	Amended and passed by the Academic Committee Meeting; June 18, 2014 Approved by the Institute Affairs Meeting; July 25, 2014 Promulgated
March 10, 2017	Passed by the Academic Committee Meeting; March 14, 2017 Amended and passed by the Academic Affairs Meeting
June 15, 2018	Amended and passed by the Institute Affairs Meeting; June 22, 2018 Passed by the College Affairs Meeting
August 10, 2018	Amended and passed by the Academic Committee Meeting; November 29, 2018 Amended and passed by the Institute Affairs Meeting; January 4, 2019 Passed by the Academic Affairs Meeting
May 3, 2022	Passed by the Institute Affairs Meeting
May 9, 2023	Passed by the 4 th Academic Affairs Meeting, Academic year 2022–23
June 14, 2023	Approved by the 3 rd Institute Affairs Meeting, Academic year 2022–23
June 21, 2023	Promulgation of amended Article 1

- Article 1 The doctoral degree qualifying examination shall consist of two tests: a written test and a test of the student's elective subjects. The written test shall include statistical methods. The elective examination shall include two of the following subjects: (a) Introduction to Optimization, (b) Introduction to Stochastic Modeling, (c) Dynamic Programming, (d) Introduction to Nonlinear Programming, (e) Integer and Combinatorial Optimization, (f) Data Analytics, and (g) Linear Algebra and its Applications.
- Article 2 Pursuant to the *National Taiwan University Academic Regulations*, candidates are allowed a maximum of two attempts to pass the qualifying examination. The choice of examination subjects requires approval from the advisor or the director. Students shall be limited to a maximum of two attempts to pass the qualifying examination in each elective examination subject.
- Article 3 The requirements of the general Ph.D. program and the global Ph.D. program are not interchangeable.
- Article 4 Upon the submission of a dissertation defense application by a doctoral student, the advisor shall draw up a list of five to nine scholars and experts to form a degree examination committee. The committee shall be appointed by the President at the recommendation of the Director. The convener of the committee shall be appointed by the Director, and the advisor shall not serve as convener. A minimum of five committee members must be present for the dissertation defense examination to be held; otherwise, the examination shall not proceed. The results of any examination already undertaken shall not be recognized. Committee members may not appoint proxies to stand in for them in case of absence.
- Article 5 Doctoral students must attend and present papers at international conferences. Only international conferences organized by an international academic

association such as the Asia Pacific Industrial Engineering and Management Society (APIEMS), the Institute for Operations Research and the Management Sciences (INFORMS), the Institute of Industrial and Systems Engineers, or the Institute of Electrical and Electronics Engineers (IEEE), or other conferences approved by the academic committee, will be accepted.

Article 6 These Rules shall be passed by the Academic Committee, approved by the Institute Affairs Meeting, and then implemented on the date of promulgation.