國立台灣大學生醫電子與資訊學研究所
博士學位候選人資格考核注意事項
Graduate Institute of Biomedical Electronics and Bioinformatics, National Taiwan University Regulations Governing the Ph.D. Candidacy Qualifying Examination

(95.12.11　第 2 次招生及學術委員會通過)
(96.1.12　95 學年度第 1 次所務會議通過)
(96.7.11　95 學年度第 2 次所務會議通過)
(97.2.1　96 學年度第 1 學期第 2 次招生及學術委員會討論通過)
(97.4.1　96 學年度第 2 學期第 1 次所務會議討論通過)
(100.5.24　99 學年度第 2 學期第 3 次招生及學術委員會討論通過)
(100.6.27　99 學年度第 2 學期第 2 次所務會議討論通過)
(100.12.21　100 學年度第 1 學期第 2 次招生及學術委員會討論通過)
(101.5.2　100 學年度第 2 學期第 1 次所務會議修正通過)
(101.5.28　100 學年度第 2 學期第 4 次招生及學術委員會討論通過)
(101.6.19　100 學年度第 2 學期第 6 次招生及學術委員會討論通過)
(101.7.2　100 學年度第 2 學期第 2 次所務會議修正通過)
(101.11.27　101 學年度第 1 學期第 2 次招生及學術委員會討論通過)
(102.1.15　101 學年度第 1 學期第 1 次所務會議修正通過)
(104.1.5　103 學年度第 1 學期第 2 次招生及學術委員會討論通過)
(107.1.11　106 學年度第 1 學期第 4 次招生及學術委員會討論通過)
(107.4.30　106 學年度第 2 學期第 1 次所務會議修正通過)
(109.1.15　108 學年度第 1 學期第 4 次招生及學術委員會討論通過)
(114.1.6　113 學年度第 1 學期第 2 次招生及學術委員會討論通過)
(114.01.17　113 學年度第 1 學期第 1 次所務會議修正通過)
英文譯本僅供參考，文義如與中文版有歧異，概以中文版為準。
The English version is provided for reference only.
The Chinese version shall prevail in case of any discrepancies between the English and Chinese versions

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(一) 本所博士學位候選人資格考核包括筆試及審查。其中筆試科目共分基本科目與選考科目兩種，考生須依各組規定從各科目中選擇若干門課程應考，合計五門（含保留之科目），所選課程得不受限於已修習過的。審查由招生及學術委員會負責辦理。

The Doctoral Candidate Qualifying Examination consists of two components: a written examination and a committee review. The written examination consists of core subjects and elective subjects. Students shall select a total of five subjects (including any retained passing subjects) in accordance with the requirements of their academic division. The selected examination subjects are not limited to courses previously taken. The committee review shall be conducted by the Admissions and Academic Affairs Committee.

(二) 筆試考試方式：基本科目考試一律不得攜帶參考資料，其他科目則另行規定，每門考試時間以一百分鐘為原則，試卷採彌封方式。不依規定，擅自記名或任意塗改毀損者不予記分。

Written Examination：No reference materials are permitted during examinations for **core subjects**. Regulations regarding reference materials for **elective subjects** shall be determined separately for each subject. Each examination shall be **100 minutes** in duration

unless otherwise specified. Answer sheets will be graded anonymously. Any examinee who writes identifying information on the answer sheet or intentionally alters or damages the examination paper in violation of the regulations will receive **no score** for that examination.

(三) 筆試成績平均達七十分，且無三門（含）以上未達七十分者為通過。未達上述標準者，由招生及學術委員會審查決定，經招生及學術委員會審查未通過者必須重考。重考得於一學期後提出申請，以一次為限，選考課程科目得改變，並得申請保留成績達 70 分(含)以上之科目，保留之科目不得為重考之選考科目。重考及保留成績之科目仍需符合本辦法第(一)條之規定。筆試科目成績達 70 分者，所方可告知該科目名稱及分數。重考後仍未通過者即造冊送研教組公告退學。全部考試必須於進入本所博士班後四個學期以內通過（不包含休學期間），未通過者即造冊送研教組公告退學，但經各組及所長認定須補修大學部學分超過九學分者(含)得延長資格考試年限為六個學期。

Students shall pass the written examination by achieving **an average score of at least 70** and having **fewer than three subjects with scores below 70**. Students who do not meet the above requirements shall be reviewed by the Admissions and Academic Affairs Committee. Those who fail the review must retake the examination. A retake may be applied for **after at least one semester** and is limited to **one retake only**. Students may change their elective examination subjects when taking the retake and may apply to retain the scores of subjects with a score of **70 or above**. Retained subjects may not be selected again for the retake, and the combination of retained and retaken subjects must still comply with the requirements specified in Section (1). The Institute will disclose the names and scores of examination subjects **only if the score is 70 or above**. Students who fail the retake shall be reported to the **Graduate Academic Affairs Division** for dismissal from the program in accordance with University regulations. The Qualifying Examination must be passed **within four semesters** after enrollment in the doctoral program, excluding periods of leave of absence. Students who fail to meet this requirement shall be reported to the Graduate Academic Affairs Division for dismissal. Students who are required by their academic division and the Institute Director to complete **nine or more undergraduate credits** may have the Qualifying Examination deadline extended to **six semesters**.

(四) 身心障礙應考學生得檢具身心障礙手冊及診斷證明書，經指導教授及所長同意後，提出權益維護措施申請。一般應考學生如因臨時事故受傷、罹病、持學習障礙證明或其它功能性障礙，致閱讀、書寫試卷困難者，得檢具診斷證明書提出權益維護措施申請。

本所應視其需要，提供所需之權益維護措施，相關辦法依本所博士學位候選人資格考核身心障礙及突發傷病考生應考權益維護措施要點辦理。

Students with disabilities may apply for examination accommodations by submitting valid disability certification and medical documentation, subject to the approval of their academic advisor and the Institute Director. Students without a registered disability who experience temporary injuries, illness, documented learning disabilities, or other functional impairments that affect their ability to read or write during the examination may also apply for examination accommodations by providing appropriate medical documentation. The Institute will provide reasonable examination accommodations based on individual needs. All accommodation requests shall be handled in accordance with the **Guidelines for Examination Accommodations for Doctoral Candidate Qualifying Examination Applicants with Disabilities or Temporary Medical Conditions** of the Graduate Institute.

(五) 基本科目至少須選考二至三門，計有九門可以選考：

At least two and no more than three core subjects must be selected from the following nine options:

一、數學：（三選一，100％） Mathematics (choose one of three, 100%) 線性代數 Linear Algebra 離散數學 Discrete Mathematics 機率與統計 Probability and Statistics	三學分 3 credits
二、電路學（100％） Circuit Theory (100%)	三學分 3 credits
三、電子學（一）（50％）及電子學（二）（50％） Electronics I (50%) and Electronics II (50%)	六學分 6 credits
四、電磁學（一）（50％）及電磁學（二）（50％） Electromagnetics I (50%) and Electromagnetics II (50%)	六學分 6 credits
五、演算法（100％）Algorithms (100%)	三學分 3 credits
六、電腦網路（100％）Computer Networks (100%)	三學分 3 credits
七、機器學習（100％）Machine Learning (100%)	三學分 3 credits

八、應用電學（100％）（限非理工資訊相關背景學生選考） Applied Electricity (100%) (available only to students without an engineering or information-technology-related background)	四學分 4 credits
九、（二選一，100％）分子生物學 或 生物化學 Molecular Biology or Biochemistry (choose one of two, 100%)	三學分 3 credits

(六) 筆試科目及相關規定如下：

1.基本科目：二至三門。

理工資訊相關背景者不得選考應用電學。

2.選考科目：二至三門。

生理學、分子生物學、生物化學或生物科學通論（四選一）為非生醫背景學生必考，其他科目之認定與同意須由指導教授簽名始予生效。

Written-examination subjects and related requirements are as follows:

1. Core subjects: two to three subjects. Students with an engineering or information-technology-related background may not select Applied Electricity.

2. Elective subjects: two to three subjects. Students without a biomedical background must take one of the following: Physiology, Molecular Biology, Biochemistry, or Introduction to Biological Sciences. Any other elective subject requires the advisor's signature for approval.

（七）以修課成績取代資格考：選修符合資格考選考科目之課程，該科修課成績達 A 或 A+ 者，可申請取代該科資格考試，取代科目至多三門。申請取代資格考科成績參考國立臺灣大學學生成績評量辦法，以等第制成績對照為百分制單科成績(如附檔)。

Substitution of the qualifying examination by course grade: A student who completes a course corresponding to an elective qualifying-examination subject and earns a grade of A or A+ may apply to substitute the course grade for that subject examination. A maximum of three subjects may be substituted. The score used for substitution shall be converted from the letter-grade system to a percentage score in accordance with the National Taiwan University Regulations Governing Student Performance Assessment (see attachment).

(八)本辦法經招生及學術委員會討論，並報所務會議通過後施行，其他未盡事宜悉依本所、本院、本校及教育部規定辦理。

These Regulations shall take effect after discussion by the Admissions and Academic Committee and approval by the Institute Affairs Meeting. Matters not addressed herein shall be governed by the applicable regulations of the Institute, the College, the University, and the Ministry of Education.