

# 臺北醫學大學管理學院國際生技醫療管理博士學位學程修業規定

## **Degree Requirements for International Ph.D. Program in Biotech and Healthcare Management in College of Management, Taipei Medical University**

108 年 10 月 07 日學程籌備處會議新訂通過

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108 年 10 月 22 日院務會議新訂通過

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Second Revision Approved by Academic Affairs Council on December 02 2019

第一條 修業及休學年限，依本校學則規定辦理。

- I. The maximum time limits to complete the degree or for suspended study are subject to the Taipei Medical University Academic Regulations. The maximum time limits to complete the degree or for temporarily suspension of study shall be subject to the Taipei Medical University Academic Regulations.

第二條 修業學分，須修畢至少 30 學分，包括必修 22 學分(含博士論文 12 學分，研究倫理 0 學分)及至少選修 8 學分；學分修習時限以第一、二年為原則，學生須修滿學程所有必修學分含研究倫理(除了博士論文學分外)及至少 4 學分之選修科目方得參加資格考試。

- II. Course Requirements

Each student is required to complete a minimum of 30 credits, including 22 mandatory credits (12 credits from Doctoral Dissertation and 0 credits from Research Ethics), and a minimum of 8 elective credits. Each student needs to complete and pass all of the courses within the first two years. Any student who has completed all mandatory credits including Research Ethics (but excluding the Doctoral Dissertation), and at least 4 credits of elective courses will be eligible to apply for the Qualification Examination.

第三條 論文輔導委員會：

- 一、 研究生應於第一學年結束前選定指導老師，並由指導老師組成論文輔導委員會，此委員會置委員三至五人(含指導老師)，並由學程主任指定委員一人擔任召集人(指導老師不得擔任召集人)。
- 二、 自博三起，每學年向論文輔導委員會進行至少一次的進度報告；自博四起，每年須對全學程師生進行公開進度報告。
- 三、 論文輔導委員會須於每學年進度報告後，將相關意見彙整繳交於學程辦公室，經學程主任組成之博士生研究進度審核委員會審核後，審核意見彙整交予研究生及指導老師，給予適度輔導。
- 四、 如有更換指導老師情形，須於一年內組成新的論文輔導委員會。

### III. Dissertation Guidance Committee (DGC)

- (1) Prior to the end of the first school year, each graduate student should choose his or her dissertation advisor, who will be responsible for constituting the Dissertation Guidance Committee (DGC). A DGC consists of three to five members, including the advisor. The program director will appoint one member (other than the student's advisor) to be the chief coordinator of the DGC.
- (2) From the third year of their doctoral study, each student will be required to report the progress to DGC at least once per school year. From the fourth year of their study, each student will be required to report the progress to the faculty and students in his or her program each year.
- (3) The DGC shall turn the progress report of each school year, collect relevant their opinions and report to the program office. The Audit Committee for Research Progress of Ph.D. Students (ACRPPS) organized by the program director will review the progress report, and provide their opinions to the graduate students and their advisors for proper guidance.
- (4) If a student has changed his or her advisor, the new DGC should be formed within one year.

#### 第四條 資格考試規定：

- 一、 博二(含)以上研究生須修滿學程所有必修學分含研究倫理(除了博士論文學分外)及至少 4 學分之選修科目方得參加資格考試。
- 二、 資格考試須在博三(含)結束前完成，可考二次，若仍不及格者，

應令退學。通過資格考後，即成為博士學位候選人。

三、 考試委員組成方式：

- (1) 由學程主任指派一名本學程專任或合聘專任教師擔任召集人。
- (2) 召集人建議考試委員 5-7 人，由學程主任圈選出 4 人(校外至少一人，學程主任亦可推薦考試委員)，組成 5 人考試委員小組。

四、 申請時間：每年三月及九月前提出申請，確切時間依學程公告時間為準。

五、 申請文件：

- (一) 博士學位候選人資格考試申請書。
- (二) 歷年成績單正本。
- (三) 報告研究主題及英文摘要。
- (四) 欲證明的假說及支持假說成立之佐證資料(含初步實驗數據)。

六、 考試內容：

- (一) 由研究生報告其進行中之博士論文作為資格考主題。
- (二) 報告內容包涵「背景介紹」、「理論基礎」、「假說」，以及支持「假說」成立的有力證據、初步數據及其他應有的證據，並對證據提出評估與批判討論，及對「假說」是否成立做評斷。
- (三) 考試前十日繳交書面報告書。
- (四) 研究生報告 50 分鐘，資格考試時間約 2 小時。

七、 評分標準：

- (一) 文獻收集及證據整理、報告主題假說之價值性、理解力及邏輯思考能力、英文書面初稿之撰寫、表達能力及臨場反應。
- (二) 考試成績採多數決決定之。

IV. Eligibility for Qualification Exam (QE)

- (1) Each student in his or her second or higher year of the doctoral program has completed all mandatory credits including Research

Ethics (but excluding the Doctoral Dissertation), and at least 4 credits of elective courses will be eligible to apply for the Qualification Examination.

(2) Each student must complete the QE by the end of the third year of study. The QE can be taken twice. Any student who fails to pass QE after the second time will be disqualified to continue the study. A student who has passed QE becomes a Ph.D. candidate.

(3) Constitution of Examination Committee

A. The program director shall appoint one full-time or jointly-appointed full-time teacher to be the chief coordinator.

B. The chief coordinator shall nominate five to seven candidates for committee members. The program director shall choose four from the list (the committee shall have at least one member who is not from the TMU faculty) to constitute the Examination Committee of five members (the program director can also suggest any suitable candidate for committee members).

(4) Application time:

QEs are offered twice a year. Students are required to apply before each March or September. The program office will announce the exact application period.

(5) Application materials:

A. The Ph.D. candidate QE application form.

B. Original copy of all past transcripts.

C. Topic of interest, and the abstract in English.

D. Hypothesis to be proven and evidence materials (including preliminary experimental data) for assuming the hypothesis to be valid.

(6) Examination contents:

A. The graduate student's presentation on his or her Dissertation in progress shall be the subject to the QE.

B. Such presentation should cover "Background Introduction", "Basis of Theory", "Hypothesis", and any compelling evidence that supports the "Hypothesis". Preliminary data and other evidence should also be provided along with an evaluation and

critical discussion, as well as the judgment on the validity of “Hypothesis”.

- C. A written report should be subject ten days before the QE.
- D. Each graduate student shall have 50 minutes to deliver the presentation. A QE takes around 2 hours.

(7) Evaluation criteria:

- A. Literature gathering and evidence organization, value of report’s hypothesis, comprehension and logical thinking, writing of English draft paper, expression and spontaneous response.
- B. The score will be determined by a majority decision.

第五條 博士論文學程內初審：

一、申請時間：每年三月及十月前提出申請，確切時間依學程公告時間為準。

二、繳交資料：

(一)修業成績證明。

(二)發表於 SCI、SSCI、A&HCI、EI、THCI Core 論文之抽印本(或接受函)。

(三)博士論文初稿 (博士論文須以英文撰寫)，以及博士論文初稿 Turnitin 論文原創性比對系統證明。

(四)出席至少一次學術研討會報告之證明文件。

三、SCI、SSCI、A&HCI、EI、THCI Core 論文須符合以下規定，始得提出博士論文學程內初審：

(一)至少有 1 篇 SCI、SSCI、A&HCI、EI、THCI Core 論文 (歸類該類別 50%)，且以第一作者發表之原始論文。

(二)研究生發表論文需以國際生技醫療管理博士學位學程 (International Ph.D. Program in Biotech and Healthcare Management)之名義發表，且國際生技醫療管理博士學位學程需放第一位，始得以計算。

(三)主指導老師或共同指導老師須為該篇論文之通訊作者；其中共同指導老師報備須於該篇研究論文投稿前申請，否則研究論文不予承認。

(四)SCI 論文內容須具基礎內涵及連貫性，且須與博士論文內

容相符合。

#### 四、初審委員會

(一)由學程主任組成學程內初審委員會進行論文審核，通過後始可申請博士學位考試。

(二)如遇特殊狀況(如更換指導老師等因素)，可提出具體證明送請學程會議通過，經院務會議審核決議。

#### V. Preliminary Audit of Ph.D. Dissertation

- (1) Application time: The preliminary audits are offered twice a year. Students are required to apply before each March or October. The program office will announce the exact application period.
- (2) Application materials:
  - A. Proof of transcripts.
  - B. Photocopies of qualified SCI, SSCI, A&HCI, EI, THCI Core publications (or the acceptance letter).
  - C. Draft of the dissertation (Dissertation should be written in English) and Turnitin paper originality comparison result of such draft
  - D. Proof of giving presentation at one or more academic symposium.
- (3) SCI, SSCI, A&HCI, EI, THCI Core publications should meet the following requirements so as to apply for Preliminary Audit:
  - A. At least 1 original publication in SCI, SSCI, A&HCI, EI, THCI Core journal (ranked in top 50%) as the first author.
  - B. The publication should be published under the name of International Ph.D. Program in Biotech and Healthcare Management, College of Management, Taipei Medical University as the primary institute affiliation and so it will be counted.
  - C. The student's advisor or co-advisor should be the corresponding author of the qualified publication. A co-advisor should be notified before submitting the publication; otherwise the publication will not be qualified.
  - D. The content of the publication should be fundamentally logical, coherent and must be relevant to the student's dissertation.

- E. The Preliminary Audit Committee organized by the program director will audit the dissertation. After the Committee acknowledges the dissertation, the student will be eligible for applying for the Oral Dissertation Defense.
- F. In any special situation (such as change of advisor), the student can submit the solid evidence to the program council, then to the College Affairs Council for review and decision if the Program Affairs Council resolves to allow the situation.

第六條 學位考試：

- 一、 博士學位考試委員五至九人，其中校外委員須三分之一以上，由指導教授建議名單，呈院長圈選並指定一人為召集人，指導教授及共同指導教授不得擔任召集人。學位考試成績，以出席委員之平均分數決定之，評分超過七十分方為通過；博士學位考試有三分之一以上委員評定為不及格者，即以不及格論。
- 二、 學位考試通過，彙整委員意見及修改論文後，依本校學位考試審查流程及畢業離校程序辦理得予核發學位證書。

VI. Oral Dissertation Defense (ODD)

- (1) The Oral Dissertation Defense Committee consists of five to nine members. At least one third of members of the Committee shall be retained from outside of the TMU faculty. The advisor shall nominate the candidates, and the Dean shall select the members, and appoint one member to be the chief coordinator. Neither the advisor nor the co-advisor shall be the chief coordinator. The score of the ODD will be the average of the points given by each member attending at the event. The passing score is 70 points. If more than one third of the Committee members gives a failing score, the student will be deemed to have failed the ODD.
- (2) After the Oral Dissertation Defense is passed, after the opinions of the members of the committee are revised and the texts are revised, the degree certificate can be issued according to the examination process of the degree examination of Taipei Medical University and the graduation leaving procedure.

第七條 其他未盡事宜，按悉依教育部與本校相關規定辦理。

VII. Other unfinished matters shall be handled in accordance with the relevant regulations of Taipei Medical University and the Ministry of Education.

第八條 本規定經教務會議通過，報請校長核定後公告施行；修正時亦同。

VIII. The implementation of, and amendment to the foregoing provisions are subject to the approval of Program Affairs Council, College Affairs Council, and Academic Affairs Council.