

臺北醫學大學 國際生醫工程博士學位學程修業規定

Study Regulations of International Ph.D. Program in Biomedical Engineering (IPBME)

113 年 12 月 5 日教務會議修訂通過
Approved by the Academic Council on Dec. 5, 2024

第一條 (修業及休學年限)

Article 1 (Period of Study and Leave of Absence)

依本校學則規定辦理。

Credit requirements for graduation and guidelines for taking a leave of absence from the school are followed according to the regulations of Taipei Medical University.

第二條 (修業學分)

Article 2 (Graduation Credit Requirements)

修畢至少 30 學分，包括必修 26 學分(含博士論文 12 學分、研究倫理 0 學分)及選修至少 4 學分，選修學分得至他系所學位學程修習，且須經指導教授同意依研究領域需求修習。

At least 30 credits should be completed in total. This should include 26 required credits (including 12 of the doctoral dissertation and 0 of Research Ethics) and at least 4 elective credits which can be obtained from other institute or program, after being approved by the student's advisor.

第三條 (指導教授)

Article 3 (Advisor)

依「臺北醫學大學國際生醫工程博士學位學程教師指導研究生細則」辦理。

Please follow the guidelines of IPBME in order to choose an advisor.

第四條 (研究所學術學習護照)

Article 4 (TMU Research and Learning Passport)

研究所學術學習護照（以下簡稱：學習護照）時數認列及相關規範須符合以下標準，始得申請學位考試。

The recognition of TMU Research and Learning Passport (hereinafter referred to as: Passport) hours and related regulations must adhere to the following standards before applying for the degree examination.

一、學習護照時數認列以拇山產學論壇特論為主，其餘專題演講或校外研討會需取得指導教授同意後始得認列。

Recognition of passport hours is primarily based on the Special Topics in Moon-Shan Academia-Industry Forum, while other special lectures or off-campus seminars require the approval of the advisor before being considered for recognition.

二、研究生須於每學期末繳交學習護照至所辦公室，統計參加演講時數。

Students must hand in the passport to IPBME office at the end of each semester.

三、研究生於在學期間須平均每學期參加演講至少 8 小時，未符合標準者，不得申請學位考試。

Students are required to attend an average of at least 8 hours of lecture attendance per semester during their studies. Those who do not meet the criteria cannot apply for degree examination.

第五條（進度報告）

Article 5 (Progress Report)

一、博士班二年級以上（含）學生須於以下規定時程辦理一次論文研究進度報告，內容須符合本學程專業領域，並應於口頭報告日之前一星期，繳交依據本學程規定格式撰寫之書面資料，至學程辦公室與論文輔導委員會召集人處。若於下述規定時程舉行資格考，得以資格考取代進度報告。未依規定舉行進度報告

者，不得申請資格考。因病或特殊情況未如期舉行者，得專案提報學程會議，經會議決議認定者，不在此限。

(一) 入學學期為 9 月者，於每年 9 月至 10 月辦理。

(二) 入學學期為 2 月者，於每年 2 月至 3 月辦理。

PhD students in the second year and above (inclusive) must present a progress report every year follow these guidelines. Its content must be consistent with the academic objectives (scope) of IPBME. PhD students should complete the approved format of the PhD progress report, and give it to the secretariat of IPBME and to the chairperson of the PhD progress report committee at least one week before the date of the oral interview. If the Qualifying Exam is held during the time specified below, the progress report may be replaced by the Qualifying Exam. Those who do not hold the progress reports as regulations cannot apply for qualifying exam. In cases of illness or special circumstances preventing the timely conduct, it is permissible to submit a special request to the IPBME Council Meeting, including both reporting the matter and retroactively proposing the event. Those recognized by the Council Meeting resolution are exempt from this limitation.

(I) Those who enroll in September should present a progress report between September and October every year.

(II) Those who enroll in February should present a progress report between February and March every year.

二、論文輔導委員會由指導教授與共同指導教授推薦名單後，經由主任圈選並核准。委員須包含指導教授與共同指導教授，並具有副教授以上資格或符合指導博士生條件之助理教授。指導教授及共同指導教授不得為召集人。如果學生只有一位共同指導

教授，論文輔導委員會委員至少四位；如果學生有兩位共同指導教授，論文輔導委員會委員至少五位。

The director selects and approves the PhD progress report committee members, recommended by the advisor and co-advisor(s). The committee members must include the advisor and co-advisor(s) and be at least Associate Professors, or Assistant Professors meeting criteria to advise PhD students. The chairperson of the Committee cannot be the advisor or co-advisor. If the student has only one co-advisor, there must be at least 4 committee members; if the student has 2 co-advisors, at least 5 members.

三、論文輔導委員會需於學生口頭報告完畢並請指導教授及共同指導教授離席後，與學生面談以瞭解學生所面臨可能問題、所需指導及支援。論文輔導委員會主席於報告結束後一星期內需將委員意見表送至學程辦公室。

The members of the Committee should interview the PhD student after the oral presentation, in the absence of the advisor and co-advisor(s), to identify any possible issues being faced by the student. The chairperson of the Committee should fill the approved format of the PhD progress report and give it to the secretariat of IPBME within one week after the oral interview.

第六條 （資格考試）

Article 6 (Doctoral Qualifying Exam)

一、修滿本學程規定之必修(含研究倫理 0 學分)及選修至少 18 學分後，得申請資格考試。資格考試須在修畢必修及選修課程後二年內完成，通過資格考後，即成為博士學位候選人。

Students may apply for the doctoral degree qualifying exam after earning at least 18 credits (including 0 of research ethics). Students must pass the doctoral qualifying exam within two

years after finishing all required and elective courses. Students who have passed the doctoral qualifying exam become doctoral candidates.

- 二、資格考試以口試為主，可考二次，第一次資格考試須在博三(含)結束前舉行，口試內容為博士論文計畫書。口試不及格者得於六個月內進行補考，若仍不及格者，應令退學。

The content of the doctoral qualifying exam is the proposal of the dissertation. The doctoral qualifying exam is an oral presentation mainly and is limited to two attempts. The first doctoral qualifying exam must be held before the end of PhD3. A doctoral student who does not pass the qualifying exam can apply to for another qualifying exam within six months. If the student fails the second qualifying exam, they will be reported to the university and expelled.

- 三、考試委員組成方式：

- (一) 主任指派一名醫學工程學院專任或合聘專任教師擔任召集人。
- (二) 由主任圈選召集人所推薦的專業領域考試委員若干人(指導教授及共同指導教授不得為資格考試委員)，與召集人共同組成三至五人資格考試委員會，任期一年。
- (三) 論文及口試之書面資料依據本學程規定格式撰寫，並於面試前一週將電子檔案寄予考試委員。

The doctoral Qualifying Exam Review (QER) Committee:

- (I) The director assigns one full-time or jointly appointed faculty in CBME to be the chairman of the QER Committee.
- (II) A doctoral Qualification Examination Review (QER) committee for a candidate shall consist of 3 to 5 members, including the chairperson and members recommended by the director and selected by the chairperson. The recommended members must have expertise in the

relevant field of study and cannot be the candidate's advisor or co-advisor. The term of service for the QER committee shall be one year.

(III) The qualifying exam thesis document is written according to the approved format of IPBME and should be sent, together with the presentation file, to the committee members one week ahead of the oral presentation.

四、檢附資料

- (一) 博士學位候選人資格考試申請書。
- (二) 歷年成績單正本乙份。
- (三) 依據本學程之規定格式撰寫書面資料以及博士論文初稿。

Required Documents

- (I) Application Form for QER.
- (II) The original transcript.
- (III) Draft of the dissertation and document written according to the approved format of IPBME.

五、申請時間：依照本學程公告時程。

Please complete the application subject to the official announcement.

六、已申請資格考試之研究生，若因故無法於該學期內完成資格考試，應於該學期結束日之前，報請撤銷該學期資格考試之申請。未撤銷亦未舉行考試者，以一次不及格論。

If PhD students who have applied for the QER are unable to complete the QER in the current semester, they should apply for cancellation of QER before the end of semester.

Failure to cancel the QER will result in failing the QER.

第七條 (博士論文發表)

Article 7 (Publication Review Requirements)

一、須符合以下其一規定，始得提出學程內博士論文初審：

(一)以單獨第一作者發表 1 篇 SCI 論文之原始著作，該論文須於該領域排名前 30%。

(二)以單獨第一作者或共同第一作者發表多篇 SCI 收錄論文，其 impact factor 總分達 5 分以上。以相同貢獻方式與他人並列論文第一作者時，該篇論文 IF 須除以共同第一作者人數。

The doctoral student can apply for the dissertation review if his/her publications meet one of the following requirements:

(I) Single first author of 1 SCI original paper in the top 30%.

(II) Single first author or co-first author of several SCI papers and the sum of their impact factors is 5 or above. In case of co-first authorship, the impact factor of the journal is divided by the number of co-first authors.

二、impact factor 或排名以獲得接受函或最新的數值為準，擇其高者計算。

The impact factor or ranking is based on the value at the time of manuscript acceptance or the last known value; whichever is highest.

三、論文均須以國際生醫工程博士學位學程 (International Ph.D. Program in Biomedical Engineering)之名義發表，且指導教授或共同指導教授應為通訊作者；若以共同指導教授擔任通訊作者，則主要指導教授需同時列名為共同作者。論文之使用於畢業申請，須附每位作者同意書。

Papers that are relied on for graduation purposes must meet certain criteria. These papers must be published with the student affiliation as "International Ph.D. Program in Biomedical Engineering", and the advisor or co-advisor should be the corresponding author. If the co-advisor is the corresponding author, the advisor must be listed as a co-author. In order to use the paper as evidence for graduation,

the doctoral student needs to provide the agreement from all authors of the paper.

- 四、著作內容必須為原始論文具連慣性主題及與博士論文內容相符合，臨床病例報告、回顧性論文、研討會論文及聯絡書信等不得作為發表論文。

The publications should be original papers and have coherence in topics, matching the dissertation. Case reports, review papers, conference papers, and communications cannot be used as publications used towards graduation.

第八條 (博士論文初審)

Article 8 (Review of Dissertation)

一、繳交資料：

- (一) 歷年成績單。
- (二) SCI paper 抽印本或接受函。
- (三) 依據本學程規定格式撰寫博士論文初稿。

Required documents include:

- (I) Transcript
- (II) Galley proof or letter of acceptance of SCI papers
- (III) Draft of dissertation following the approved format of IPBME

- 二、由主任組成初審委員會進行論文審核，通過後始得申請博士學位考試。

The director composes the Dissertation Preliminary Review Committee to review the dissertation. Students can apply for the Doctoral Degree Examination after passing the review.

第九條 (博士學位考試)

Article 9 (Doctoral Degree Examination)

- 一、依本學程規定時間內須通過資格考及論文初審始得提出申請，論文初稿須以英文撰寫並於學位考試兩週前將論文初稿送達各考試委員。

After passing the QER, doctoral students should provide the draft of dissertation to the Dissertation Preliminary Review Committee. After passing the review, they should apply for the degree examination within the specified time of the TMU calendar. Students should deliver a draft dissertation to each member of the committee at least two weeks before the degree examination. The dissertation must be written in English.

- 二、學位考試委員由指導教授推薦，經主任同意後，送請院長圈選五至九名委員，其中校外委員須達三分之一以上，且指導教授及共同指導教授不得為召集人，所有委員評分之平均達七十分方為通過。

The Dean selects five to nine members, recommended by the advisor and approved by the director, to form the Doctoral Degree Examination committee. At least one third of the committee must be non-TMU members, and advisor and co-advisor(s) cannot be the chairperson of the committee. The examination is passed if the average of scores by committee members reaches 70 or above.

- 三、學位考試通過，彙整委員意見進行論文修改，且論文之「原創性比對結果報告」以不超過 30%為原則，並經指導教授同意後，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。

After passing the Doctoral Degree examination, students should edit their dissertation according to the recommendations of the committee members. An Originality Report for Plagiarism Detection should, in principle, show less

than 30% for the main text. Students should then submit their dissertation for publication to the university after approval by the advisor. After completion of Doctoral Degree Examination and graduation procedures, the Office of Academic Affairs will issue degree certification.

第十條 （未盡事宜）

Article 10 (Unaddressed Matters)

其他未盡事宜，悉依教育部與本校相關規定辦理。

Regulations not mentioned here should be handled according to regulations of the Ministry of Education and Taipei Medical University.

第十一條 （核決權限）

Article 11 (Approval Authority)

本規定經教務會議通過，報請校長後公告施行；修正時亦同。

These guidelines become effective after approval by the Academic Affairs Committee and ratification by the University President. Amendments follow the same procedure.