

# 臺北醫學大學生醫材料暨組織工程研究所

## 碩士班及博士班修業規定

### Studying Regulations in GIBMTE

100.11.30 教務會議新訂通過  
102.04.24 教務會議修正通過  
103.07.10 教務會議修正通過  
104.04.10 教務會議修正通過  
104.09.17 教務會議修正通過  
105.03.17 教務會議修正通過  
105.05.17 教務會議修正通過  
105.09.22 教務會議修正通過  
106.05.16 教務會議修正通過  
107.09.18 教務會議修正通過  
107.12.06 教務會議修正通過  
108.09.17 教務會議修正通過  
111.05.18 教務會議修正通過  
112.05.17 教務會議修正通過  
112.12.18 教務會議修正通過

#### 第一篇、碩士班 Master Program

##### 第一條 (修業及休學年限 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 school are followed according to the regulation of Taipei Medical University.

##### 第二條 (修業學分 Graduation Credit Requirements)

一、108學年度(含)之前入學：修畢至少30學分，包括必修24學分

(含碩士論文6學分、研究倫理0學分)及選修至少6學分。

For students admitted in and before the 108 academic year:  
At least 30 credits should be completed. This should include 24 required credits (including 6 of thesis, and 0 of

research ethics) and at least 6 elective credits.

二、109學年度(含)之後入學：修畢至少30學分，包括必修26學分(含碩士論文6學分、研究倫理0學分)及選修至少4學分。

For students admitted in and after the 109 academic year:  
At least 30 credits should be completed. This should include 26 required credits (including 6 of thesis, and 0 of research ethics) and at least 4 elective credits.

### 第三條 (指導教授 Advisor)

依「臺北醫學大學生醫材料暨組織工程研究所教師指導研究生細則」辦理。

Please follow the guidelines of this department in order to choose a thesis advisor.

### 第四條 (英文畢業門檻 Graduation Threshold for English)

本所碩士班英文畢業門檻，須依本校「研究生英語認證實施要點」辦理。

The English criteria for Master students are according to TMU regulations.

### 第五條 (研究所學術學習護照 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、學習護照時數認列依拇山產學論壇講座為主，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 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 GIBMTE office in the end of each semester.

- 三、研究生於在學期間須每學期平均參加演講至少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 graduation defense.

#### 第六條（論文計畫書審查 Master's thesis proposal defense）

- 一、須於以下相關規定時程前提出個人論文計畫書審查，經委員審查通過者，方可提出學位考試。

Please follow these guidelines in order to present your master thesis proposal to an evaluation committee.

- （一）第一學期畢業者，於每年4月30日前提出。

For graduating in the first semester, please complete the application before April, 30th.

(二) 第二學期畢業者，於每年10月31日前提出。

For graduating in the second semester, please complete the application before October, 31st.

二、論文計畫書內容依據生醫材料暨組織工程研究所規定格式撰

寫，內容須符合本所專業領域。

The proposed master thesis document should comply with the approved format of GIBMTE. Its content must be consistent with the academic objectives (scope) of GIBMTE.

三、審查委員三(無共同指導教授)至五名(具共同指導教授)，指

導教授及共同指導教授為當然委員但不得為召集人；委員組

合毋須為學位考試委員，但須為相關領域專家並具助理教授

以上資格。

The evaluation committee should include 3 (if no co-advisor) to 5 (if co-advisor) members in total. The advisor and co-advisor should be members of the committee, but they are not eligible to serve as chairperson. All committee members should have knowledge in the field, or related to the field of interest, and should be at least Assistant Professor.

四、論文計畫書審查分數以出席委員評定分數平均決定之，且個

別委員評分需達七十分以上為及格。

Approval of the master thesis proposal is decided by majority voting of the committee members. Master thesis

proposal approval is decided based on the mean score given by Committee members. In order to pass, all scores given by committee members should be above or equal to 70.

五、審查完畢後，將審查成績表送至所內備查。

After the evaluation of the master thesis proposal is completed, students should turn in all of the required documentation to the department's office.

六、通過論文計畫書審查後變更題目，須經口試召集委員同意後方可修改。

If there is a change in the research topic following the master thesis proposal evaluation, this new research topic should be approved by the committee members.

#### 第七條（碩士學位考試 Oral Defense for Master Graduation）

一、學位考試委員三至五名，其中校外委員以三分之一為限，由所長依指導教授建議名單圈選並指定一人為召集人，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 number of the evaluation committee for thesis defense is 3 to 5. The director assigns members and decides the chairperson of the committee from the evaluation committee list suggested by the advisor. Please note that at most 1/3 of evaluation committee members should be from outside of our university. Neither the thesis advisor nor the co-advisor is eligible to serve as chairperson of the committee. In order for the student to pass, all scores given

by committee members should be above or equal to 70.

二、學位考試通過，彙整委員意見進行論文修改，且論文主體之「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 final examination, students should edit their dissertation, following the guidance of committee members. Plagiarism detection should then be conducted. An Originality Report of Plagiarism Detection showing, in principle, less than 30% for the main text should be shown and signed by the advisor. Students should then submit their dissertation for publication to the university after approval by the advisor. After completion of the Master Degree examination and graduation procedures, the Office of Academic Affairs will issue degree certification.

## **第二篇、博士班 PhD Program**

第八條（修業及休學年限 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 school are followed according to the regulation of Taipei Medical University.

第九條（修業學分 Graduation Credit Requirements）

一、108學年度(含)之前入學：修畢至少30學分，包括必修24學分(含博士論文12學分、研究倫理0學分)及選修至少6學分。

For students admitted in and before the 108 academic year:  
At least 30 credits should be completed. This should include 24 required credits (including 12 of doctoral dissertation, and 0 of research ethics) and at least 6 elective credits.

二、109學年度(含)之後入學：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。

For students admitted in and after the 109 academic year:  
At least 30 credits should be completed. This should include 26 required credits (including 12 of doctoral dissertation, and 0 of research ethics) and at least 4 elective credits.

三、選修學分得至他系所學位學程修習，須經指導教授同意依研究領域需求修習；學分修習時限以第一、二年為原則，修滿方得參加資格考試；逕修博士學位者，須修畢至少42學分(含碩士班所修學分及博士論文12學分)。

Elective credits can be earned from other institutes or programs, after approved by students' advisor. Students can apply for the doctoral qualifying examination after the required number of credits are completed. The periods for earning credits are the first 2 years of study, in principle. Students studying in the doctoral program directly, without completing master's degree, should complete 42 credits at least (including credits earned in the master's program and 12 credits for dissertation).

#### 第十條（指導教授 Advisor）

依「臺北醫學大學生醫材料暨組織工程研究所教師指導研究生細則」辦理。

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#### 第十一條（英文畢業門檻 Graduation Threshold for English）

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#### 第十二條（研究所學術學習護照 TMU Research and Learning Passport）

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一、學習護照時數認列依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 GIBMTE office in the end of each semester.

三、研究生於在學期間須每學期平均參加演講至少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 graduation defense.

### 第十三條（進度報告 Progress Report）

一、博士班二年級以上（含）學生須於以下規定時程辦理論文研究進度報告，內容須符合本所專業領域，並應於口頭報告日之前一星期繳交依據本所規定格式撰寫之書面資料至所辦與論文輔導委員會召集人處。

PhD students 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 GIBMTE. PhD students should complete the approved format of the PhD progress report, and give it to the secretariat of GIBMTE and to the chairperson of the PhD progress report committee at least one week before the date of the oral interview.

(一) 入學學期為9月者，於每年9月至10月辦理。

For students entering in September, must present a progress report between September and October.

(二) 入學學期為2月者，於每年2月至3月辦理。

For students entering in February, must present a progress report between February and March.

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，經由所長圈選至少四位委員組成，委員應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為委員但不得為召集人。

The advisor and co-advisor suggest the composition of the PhD progress report committee. The PhD progress report committee should comprise at least 4 members. All members should be at least Associate Professors, or Assistant Professors meeting criteria to advise PhD students. They should be approved by the Director. Both advisor and co-advisor are committee members but neither can be the chairperson of the committee.

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所辦公室。

The members of the Committee should interview the PhD student after the oral presentation, in the absence of the advisor or co-advisor, to identify any possible

issues being faced by the student. The chairperson of the Committee should fill in the approved format of the PhD progress report and give it to the secretariat of GIBMTE within one week after the oral interview.

四、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，得專案提報本所學生事務委員會，經委員會決議認定者，不在此限。

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 GIBMTE Student Affairs Committee, including both reporting the matter and retroactively proposing the event. Those recognized by committee resolution are exempt from this limitation.

五、當學期若同時舉行進度報告及資格考者，得以資格考取代。

For students who are scheduled to hold the Progress Report and Qualifying Exam in the same semester, the qualification exam can serve as a substitute.

#### 第十四條 (資格考試 Doctoral Qualifying Exam)

一、修滿所上規定之必修(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 18 credits (including 0 of research ethics) at least. 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 then 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 should be the same as the proposed dissertation. The doctoral qualifying exam is an oral presentation mainly and is limited to a maximum of two attempts. The first doctoral qualifying exam must be held before the end of the third year of PhD enrolment. A doctoral student who fails the first attempt at the qualifying exam can apply for a second qualifying exam within six months. If the student fails the qualifying exam a second time, they will be reported to the university and expelled.

三、考試委員組成方式

The doctoral Qualifying Exam Review (QER) Committee

（一）所長指派一名醫學工程學院專任或合聘專任教師擔

任召集人。

The director assigns one full-time or adjunctive faculty in CBME to be the chairperson of the QER Committee.

（二）由所長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七人資格考試委員會，任期一年。學生具一位共同指導教授須有五位資格考試委員，具二位共同指導教授須有七位資格考試委員。

A doctoral Qualification Examination Review (QER) committee for a candidate shall consist of 3 to 7 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. The number of committee members required shall depend on the number of co-advisors. If the candidate has one co-advisor, the committee shall consist of 5 members, and if the candidate has two co-advisors, the committee shall consist of 7 members.

#### 四、檢附資料 Required Documents

(一) 博士學位候選人資格考試申請書。

Application Form for QER.

(二) 歷年成績單正本乙份。

The original transcript.

(三) 依據本所規定格式撰寫書面資料以及博士論文初稿。

Draft of the dissertation and document written according to the approved format of GIBMTE.

五、申請時間：依照本所公告時程。

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 have applied for the QER but cannot finish the examination in that semester, for any reason, they should apply for cancellation of QER before the end of the semester. Students who did not apply for cancelation and failed to attend the QER will be graded as failing that attempt.

#### 第十五條（博士論文發表 Publication Review Requirements）

一、須符合以下其一規定，始得提出所內博士論文初審：

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

(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%。

Single first author of 1 SCI original paper in the top 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。

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 acceptance or last known; whichever is highest.

三、論文均須以生醫材料暨組織工程研究所(Graduate Institute of Biomedical Materials and Tissue Engineering)之名義發表，且指導教授或共同指導教授應為通訊作者；指導教授及共同指導教授皆須列名作者列。論文之使用於畢業申請，須附每位作者同意書。

Papers which are relied on for graduation purposes must meet certain criteria. These papers must be published with the student affiliation as "Graduate Institute of Biomedical Materials and Tissue Engineering". The students' advisor or co-advisor should be the corresponding author of the manuscript. Both the advisor and co-advisor must be on the author list. In order to use the paper as evidence for graduation, the doctoral student 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 research papers and have coherence in topics, matching the dissertation. Case reports, review papers, conference papers, and communications cannot be used as publications for graduation purposes.

## 第十六條（博士論文初審 Review of Dissertation）

### 一、繳交資料 Required Documents

（一）歷年成績單。

The original transcript.

（二）SCI paper抽印本或接受函。

Galley proof or letter of acceptance of SCI papers.

（三）依據本所規定格式撰寫博士論文初稿。

Draft of dissertation following the approved format of GIBMTE.

二、由所長召開學生事務委員會進行論文審核，通過後始得申請學位考試。

The director convenes the Student Affairs Committee to review the dissertation. Students can apply for the Doctoral Degree Examination after passing the review.

## 第十七條（博士學位考試 Oral Defense for PhD Graduation）

一、依本所規定時間內須通過資格考及博士論文初審始得提出申請。

After passing the QER and review of dissertation, doctoral students must apply for an oral examination within the specified time of TMU calendar.

二、論文初稿須以英文撰寫並將論文初稿送達各考試委員先行審查。

Doctoral students must deliver a draft dissertation to each member of the committee to review in advance. The dissertation should be written in English.

三、學位考試委員由指導教授推薦五至九名為委員，經所長同意後，送請院長圈選，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 cannot be the chairperson of the committee. The examination is passed if the averaged scores from all committee members reaches 70 or above.

四、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 in accordance with the

instructions. Plagiarism detection should then be conducted. An Originality Report of Plagiarism Detection showing, in principle, less than 30% for the main text should be shown and signed by the advisor. Students should then submit their dissertation for publication to the university after approval by the advisor. After completion of the Doctoral Degree examination and graduation procedures, the Office of Academic Affairs will issue degree certification.

### **第三篇、附則 Supplementary Provisions**

#### **第十八條（未盡事宜 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 the regulations of Ministry of Education and TMU.

#### **第十九條（核決權限 Approval Authority）**

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。

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