



109-博士班口試申請須知

博士班研究生依規定於畢業口試前須完成下列每一項目：

- 畢業年限：一般生：3-7 年。在職生：3-8 年。
- 本研究所博士班研究生需修滿 **35 學分方得畢業** (含論文 10 學分)。畢業學分含論文、必修、必選修、各組專業課程及選修課程。必選修含：共同必選修課程及各組必選修課程。
- 必修：18 學分
 - (1) 博士論文 (10 分)
 - (2) 專題討論 (4 學分)
 - (3) 高等分子系統生物醫學-上學期 (2 學分)
 - (4) 高等生物統計學-下學期 (2 學分)
- 共同必選修：5 學分
 - (1) 高等研究計劃撰寫與論文寫作(1 學分)
 - (2) Grand Round 4 學分
- 各組必選修：6 學分 (各組可以依專長需求相互選課)
 - (1) 甲組(臨床組)：轉譯醫學(4 學分)，生物技術 (2 學分) -暑假上課
 - (2) 乙組(基礎組)：轉譯醫學(4 學分)，生物技術 (2 學分)
 - (3) 丙組(生化微免組)：高等生化學(4 學分)/高等微生物免疫學(4 學分) **二選一**，
高等生化微生物免疫專題討論 (2 學分)
- 專業課程：4 學分 (各組可以依專長需求相互選課)
- 選修課程：2 學分
- 甲組必選修臨床醫學研究特論 2 學分。
- 資格考通過。資格考口試成績佔 70%，必修科目平均成績佔 30%。
- 論文考核 2 次通過。
- SCI 二篇均須以第一著者發表刊登**，博士畢業前應發表之 **SCI 著作總分至少 4 分**，或其中一篇為該專業類科排名前 50% 之內 (含)。需以「中山醫學大學醫學研究所」名義發表，指導教授列作者序為 corresponding author。(以第一著者發表刊登定義：姓名必須列於第一順位。) 論文發表性質定義：原著論文 Original Article (Full Article)。原則兩篇均須發表或一篇已發表，另一篇接受轉載後即視同符合畢業條件。須線上先 KEY 入少二篇 SCI paper。IF 需達 4 分，才能繼續進入新增口試申請程序。低於二篇或 IF 未達 4 分，將無法進入提申請口試程序。
- 醫學研究所博士班畢業論文口試委員之遴聘，該生若為臨床醫師須有臨床相關領域之教師參予為原則。
- 博士口試成績 70 分以上，口試通過。
- 口試委員規定：置委員五人，其中 **校外委員至少聘 3 人**，論文考核委員會委員為當然委員。校外口試委員需為國內大學或學院專任具副教授以上或各國立研究機構副研究員以上資格者。當年度中山醫學大學聘任具兼任副教授 (含) 以上者視同具備校外口試委員資格(99 年 02 月 01 日「98 學年度第二學期 第一次 醫學研究所所務會議」通過)。**校外委員若為副教授**須依中山醫學大學研究生學位考核辦法第四條第三款第四項規定：**獲有博士學位**，在學術上有卓越成就者。

- 須於申請學位考試前完成「學術研究倫理教育課程」(可透過網路教學平台自行觀看且通過線上測驗達及格標準)，未完成本課程或未通過測驗者不得申請學位考試。網路教學平台網址為 <http://ethics.nctu.edu.tw/>。(105 學年度入學適用)
- Seminar 計分表 (上學期) 及研究進度 proposal 報告計分表 (下學期)。博一、二每學期須繳交。
- 論文研究進度報告 (Powerpoint 檔案) 畢業前每學年須繳交。
- 特別演講簽名單。博一、二、三每學期須繳交。
- 博士班研究生鼓勵通過中高級英文檢定合格、校內之「中山醫大 CEPT 模擬英檢測驗」中高級檢測 (博士班)，或選修醫學研究所所開設的「進階英文」選修課程。研究生得在畢業前提出英語能力檢定考試及格證明，若成績未達上述標準者，由指導教授協助提供補救方式交回所辦。
- 國際姊妹校交流或出席國際會議紀錄。畢業前每學期須繳交。
1. 出席國際會議紀錄 (碩，博士班-畢業前每學期繳交)
 2. 前往國外選課或進修紀錄 (含以第一作者發表)。博士班需進行國際姊妹校交流，至少四週，如選課、Lab Rotation，參加 Seminar、Journal Club。及前往國外選課或進修紀錄 (含照片) 畢業前須繳交。碩士班鼓勵繳交。
- 學術研究與專業表現含全民英檢紀錄，畢業前須每學期須繳交。
- 與指導教授討論情形含實驗操作紀錄，畢業前須每學期須繳交。

研究生學號： _____

姓名： _____ (簽名)

日期： _____

109-Ph.D. Dissertation Exam Application Rules

PhD students must to check all items below before graduation oral exam:

- Academic Timeline: **General students : 3-7 years. In-service students : 3-8years.**
- **Graduate credits: At least 35 credits**; including dissertation 10 credits, thesis, compulsory subjects, various professional courses and electives ; compulsory subjects include school-wide required courses and various required courses.
- Compulsory : 18 credits
 - (1) Doctoral Dissertation(10 credits)
 - (2) Seminar(4 credits)
 - (3) Advanced Molecular Systems Biology and Medicine-1st semester (2 credits)
 - (4) Advanced Biostatistics-2nd semester (2 credits)
- School-Wide Required : 5 credits
 - (1) Advanced Proposal and Thesis Writing (1 credit)
 - (2) Grand Round 4 credits
- Various Required : 6 credits (Each group can choose courses based on their expertise)
 - (1) Division A (Clinical group) : Translation Medicine (4 credits), Biological Technology (2 credits) - Class in summer vacation
 - (2) Division B(Basic group) : Translation Medicine (4 credits), Biological Technology (2 credits)
 - (3) Division C(Biochemistry and Microbial Immunology group) :
Advanced Biochemistry (4 credits)/ Advanced Microbiology and Immunology (4 credits) **one-out-of-two**,
Seminar in Advanced Biochemistry, Microbiology and Immunology (2 credits)
- Professional Courses : 4 credits (Each group can choose courses based on their expertise)
- Electives Courses : 2 credits
- Division A: Required, Special Topics in Clinical Medicine 2 credits
- The total passing score for the qualifying examination is 70 points.
(70% of the oral qualifying examination and 30% of the compulsory subjects)
- Thesis assessment pass twice.
- Candidates are required to publish two first authorship (must be the first author on the list) SCI papers. The total Impact factors for two papers must ≥ 4 or one of the paper is ranked $\leq 50\%$ for your professional category. The papers should be published on the name of “Chung Shan Medical University Institute of Medicine” (in the first place); Major Professor is corresponding author. (First author ship: your name is in the first place) The published papers must be the original article (full articles). While the second paper is accepted, the candidate will be qualified for dissertation exam. You should key in two SCI paper online, $IF \geq 4$, then go to apply for the oral test, application process. If less than two papers or $IF < 4$, you can't access to application process.
- For the selection and appointment of the oral examination committee members of the doctoral program, if the student is a clinician, it is the principle that teachers in clinical related fields should participate.
- The standard of Ph.D. oral test: 70
- Regulations for oral examination committee members: There are five committee members, of whom **at least 3 are external members**, and members of the thesis assessment committee are ex officio members. The off-campus oral examination committee members must be a full-time associate professor or above in a domestic university or college or an associate researcher or above in a national research institution. Those who are employed by CSMU who are part-time associate professors and above are deemed to have the qualifications of external oral examination committee members. **If an external member is an associate**

professor, he must follow the provisions of Article 4, Paragraph 3, Item 4 of the CSMU Graduate Degree Evaluation Measures: Those who have obtained a **doctorate degree** and have outstanding academic achievements.

- **You must complete the "Academic Research Ethics Education Course" before applying for the degree exam (you can watch it through the online teaching platform and pass the online test to pass the standard). Those who have not completed this course or failed the test are not allowed to apply for the degree exam. The website of the online teaching platform is <http://ethics.nctu.edu.tw/>. (Applicable for admission in the 105 academic year)**
- Seminar score sheet (last semester) and research progress proposal score sheet (next semester). Boss one and two must be paid every semester.
- The thesis research progress report (PowerPoint file) must be submitted every semester.
- Special speech signature sheet, first, second, and third grade must be paid every semester.
- **The postgraduate students are encouraged to pass the intermediate English examinations, or "the CEPT Simulated English Test" (High-Intermediate Level) in the school, or select "Advanced English" elective course offered by the Institute of Medicine. Postgraduate students must submit proof of passing the English Proficiency Test before graduation. If you don't, the instructor will assist in providing remedies and hand it back to the office.**
- **International sister schools exchange or attend international conference, pay the records every semester.**
 1. **International academic seminars**
 2. **Exchange student and/or publish papers as the first author**
Ph.D. should exchange to sister school at least 4 weeks, for example, having courses 、 Lab Rotation 、 attend Seminar 、 Journal Club, and hand the record with pictures, before you graduate.
- **Academic study and professional performance including GEPT/ CEPT pay the records every semester.**
- **Discussion situation with the instructor, including experimental operation records, pay the records every semester.**

STUDENT ID : _____

NAME : _____ (SIGN)

DATE : _____