

# 生物醫學影像暨放射科學系 博士班

114 學年度

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| 最低修業年限                 | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 應修學分數                  | 18                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 逕博應修學分數                | 36                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 應修(應選)課程及符合畢業資格之修課相關規定 | <p>(一) 各組必修科目：</p> <p>1. 甲組（醫學物理暨醫學影像組）：</p> <p>(1) 以下四門課程擇二門課程修讀：</p> <p style="padding-left: 20px;">I. 高等放射物理學</p> <p style="padding-left: 20px;">II. 高等輻射劑量學</p> <p style="padding-left: 20px;">III. 生醫影像原理</p> <p style="padding-left: 20px;">IV. 生醫影像應用</p> <p>(2) 學術研究倫理。</p> <p>(3) 生物統計學。</p> <p>(4) 專題討論：六學期共計6學分。</p> <p>2. 乙組（分子影像暨核醫藥物組）：</p> <p>(1) 以下兩門課程擇一門課程修讀：</p> <p style="padding-left: 20px;">I. 高等放射生物學</p> <p style="padding-left: 20px;">II. 放射性藥物與生醫材料特論</p> <p>(2) 分子影像暨核醫藥物總論。</p> <p>(3) 學術研究倫理。</p> <p>(4) 生物統計學。</p> <p>(5) 專題討論：六學期共計6學分。</p> <p>(二) 選修科目：選修範圍以本校教務處該學期公佈之課程表為準。</p> <p>(三) 選課、加退選課悉依本校學則及相關規定辦理。</p> <p>(四) 外修：外校選修以5學分為限。</p> <p>(五) 若於碩士班修業期間，曾修讀本研究所必修課程並及格者，得予免修。</p> |
| 備註                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

# Department of Biomedical Imaging and Radiological Sciences

## Ph.D Program

Academic Year 2025

|                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
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| Mini. Term of Study                      | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Minimum Credits                          | 18                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Minimum Credits for Direct Entrance Ph.D | 36                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Curriculum and Regulations               | <p>1. Required subjects for each group:</p> <p><u>Group A (Medical Physics and Medical Imaging Group):</u></p> <ol style="list-style-type: none"> <li>1. Choose two courses from the following four courses. <ol style="list-style-type: none"> <li>I. Advanced Radiology Physics</li> <li>II. Advanced Radiation Dosimetry</li> <li>III. Principles of Biomedical Imaging</li> <li>IV. Applications of Biomedical Imaging</li> </ol> </li> <li>2. Ethics in academic research</li> <li>3. Biostatistics</li> <li>4. Seminar: 6 credits in total for six semesters</li> </ol> <p><u>Group B (Molecular Imaging and Nuclear Medicines Group):</u></p> <ol style="list-style-type: none"> <li>1. Choose one course from the following two courses <ol style="list-style-type: none"> <li>I. Advanced Radiobiology</li> <li>II. Advanced Topics in Radiopharmaceuticals and Biomaterials</li> </ol> </li> <li>2. General Introduction to Molecular Imaging and Nuclear Medicines</li> <li>3. Ethics in academic research</li> <li>4. Biostatistics</li> <li>5. Seminar: 6 credits in total for six semesters</li> </ol> <p>(2) Elective subjects: The scope of elective subjects is subject to the curriculum announced by the Academic Affairs Office of the university during the semester.</p> <p>(3) Course selection, addition and withdrawal of courses shall be handled in accordance with the school's academic rules and relevant regulations.</p> <p>(4) External courses: Elective courses from other schools are limited to 5 credits.</p> <p>(5) Those who have taken and passed the required courses of our graduate school during master studies may be exempted from the course.</p> |