

International Master and Ph.D. Program in Department and Institute of Physiology 【Yangming Campus】

Intake		Degree Program	Group	Language of Instruction
Fall		Master Doctoral	-	English-taught Program (Sufficient English courses to meet graduation requirement)
Application Regulations				
Department Restrictions		-		
Academic Grades Criteria		3.5 points or above (GPA)		
Required Documents		1. Required documents (Application shall not be processed if any of the following required documents is missing):	(1) Application form (2) Study plan (3) Certificate of the highest educational level (certified translation is required if the original certificate is not issued in English or Chinese) (4) Transcripts of the highest educational level (including a description of the grading system, GPA, class, or school ranking. Certified translation is required if the original transcript is not issued in English or Chinese) (5) Two recommendation letters (6) Proof of English language proficiency The English language proficiency of applicants must meet the following minimum requirement: TOEFL iTP: 500+ TOEFL iBT: 73+ IELTS (Academic): 5.5+ TOEIC: 750+ (7) Proof of Chinese Proficiency : Test of Chinese as a Foreign Language (TOCFL) Level 2 or above. (8) Financial statement (proof of scholarship award or proof of bank deposit). (9) Passport or other proof of nationality (10) Alien Resident Certificate (if applicable) (11) Applicants for doctoral programs must upload their master’s thesis. Graduating master’s students who are applying for doctoral programs must upload an outline of their master’s thesis.	
		2. Other supporting documents:		
		3. 3. Documents required by the department/institute	(1) Curriculum Vitae (CV) / Resume (2) Research proposal	
Selection Method	Preliminary Review	Application material review: Comprehensive review of the application materials submitted by the applicants.		

		Please specify. Evaluation items: Academic performance, research potential, research results published list, international corporation experience, practical skills, extracurricular activities, etc.
	Second Review	Audiovisual Interview
Other Regulations		-
Department/Institute Admissions Information		
Department/Institute Profile	<p>The Department and Institute of Physiology at National Yang Ming Chiao Tung University is dedicated to advancing physiological medicine and life sciences. As a core discipline of basic medical sciences, physiology serves as the foundation for understanding human health, disease mechanisms, and medical innovation. Our mission is to promote forward-looking research, provide high-quality education, and cultivate biomedical professionals with an international perspective.</p> <p>We integrate medical knowledge with comprehensive training at the master's and doctoral levels in physiology teaching and research. Our faculty expertise covers multiple fields, including metabolism, neuroscience, cardiovascular, respiratory, gastrointestinal, renal, and electrophysiology. We are engaged in both basic and applied physiology research, and actively participate in international physiology competitions and academic activities.</p>	
Program Curriculum	<p>Master's Program: 1–4 years; minimum of 24 credits required for graduation Ph.D. Program: 2–7 years; minimum of 18 credits required for graduation</p> <p>Required Courses</p> <p>Fundamental Physiology (English / 4 credits) Contemporary Physiological Research (English / 2 credits) Academic Research Ethics (0 credits) Gender Equality Education Course (0 credits) Seminar (8 credits / 4 semesters)</p> <p>If newly admitted students have already completed equivalent required courses at other universities or graduate institutes (either within or outside the university), the credits they have earned and passed may be submitted for review by this institute to determine eligibility for credit transfer. The maximum number of transferable credits shall not exceed 12 credits.</p> <p>Course Areas:</p> <p><u>Electrophysiology and Ion Channels</u> Introduction of Ion Channels and Membrane Electrophysiology Molecular Biophysics of Ion Channels Clinical Electrophysiology</p> <p><u>Basic Physiological Medicine and Research Methods</u> Research Principle in Physiology & Medicine Experimental Physiology</p> <p><u>Molecular and Cellular Physiological Medicine</u> Advanced RNA Biology The Molecular Physiology of Hematologic Diseases</p>	

	<p><u>Regenerative Medicine & Translational Applications</u></p> <p>Advanced Topics in Regenerative Medicine Prospects for Physiological Medicine in Precision Medicine</p> <p><u>Gastrointestinal Physiology</u></p> <p>Advanced Gastrointestinal Physiology Gastrointestinal Mucosal Immunophysiology</p> <p><u>Neurosciences</u></p> <p>Mechanisms and Therapy of Diseases in the Nervous System Special Topics in Neuropsychopharmacology Special Topics in Memory and Cognition Special Topics in Neurobiology of Emotion</p> <p><u>Clinical Physiology</u></p> <p>Clinical Andrology</p>			
Career / Future Development	Graduates may pursue careers in the biotechnology industry, at research institutes, or as research scientists.			
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Administration Staff				
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