Kaohsiung Medical University

Printed by: 1017090 Curriculum and Credits Table, Academic Year 2026-2027 Print Date: 1151113

Department: PhD Program in Environmental and Occupational Medicine (For students admitted in Academic Year 2026-2027)

No.	Academic Year	Course Code	Course Duration	Course Type	Total Credits	Course Track	Modular courses	Credits		Course Coordinator	New or Modified
								1st	2nd		
1	First Year	MACA6	First Semester	Required Courses	1	Academic	1 Foundational Courses	1	0	935041 Tusty-Jiuan HSIEH	None
		Research Ethic Education (EMI)									
2	First Year	MACA0	First Semester	Major Required Courses	1	Academic	1 Foundational Courses	1	0	945008 A-Mei Huang	None
		Academic Research Ethics									
3	First Year	MEGE8	Second Semester	Major Required Courses	2	Academic	1 Foundational Courses	0	2	880251 Hung-Yi CHUANG	None
		Special Topics on Advanced Environmental Health and Occupational Medicine （EMI）									
4	First Year	MSZE5	Full Academic Year	Major Required Courses	2	Academic	1 Foundational Courses	1	1	1050013 Chun-Hsiang Tan	None
		:Seminar (I)（EMI）									
5	First Year	MSCC3	First Semester	Major Electives Courses	3	Academic & Practical	1 Foundational Courses	3	0	975017 Ya-Ling Hsu	None
		Advanced Molecular and Cellular Biology									
6	First Year	MSAK1	First Semester	Major Electives Courses	2	Academic & Practical	1 Foundational Courses	2	0	880251 Hung-Yi CHUANG	None
		Special Topics on Advanced Exposure Assessment									
7	First Year	MATM4	First Semester	Major Electives Courses	3	Academic & Practical	1 Foundational Courses	3	0	945035 Chang-Shen Lin	None
		Translational Medicine									
8	First Year	MOHP0	Second Semester	Major Electives Courses	2	Academic & Practical	1 Foundational Courses	0	2	945002 Chiung-Yu Peng	None
		Special Topics in Advanced Occupational Health and Safety Practice									
9	First Year	MCAT3	Second Semester	Major Electives Courses	3	Academic & Practical	1 Foundational Courses	0	3	915013 Hung-Pin Tu	None
		Advanced Biostatistics Analysis									
10	First Year	MBOT2	Second Semester	Major Electives Courses	2	Academic & Practical	1 Foundational Courses	0	2	935027 Jau-Ling SUEN	None
		Research Methods in Biotechnology									
11	First Year	MAPH0	Full Academic Year	Major Electives Courses	4	Academic & Practical	1 Foundational Courses	2	2	880251 Hung-Yi CHUANG	None
		Special Topics on Advanced Puplic Health									
12	First Year	MIIP1	First Semester	Major Electives Courses	2	Academic & Practical	1 Foundational Courses	2	0	800139 fang-ming chen	None
		Innovation and Entrepreneurship									
13	First Year	MATA1	First Semester	Major Electives Courses	2	Academic & Practical	1 Foundational Courses	2	0	875004 Tai-Cheng LAI	None
		Special Topics on Advanced Toxicology									
14	First Year	EPHS0	First Semester	Major Electives Courses	2	Academic & Practical	1 Foundational Courses	2	0	1035011 Dahms Hans-Uwe	None
		Special Topics in Advanced Environmental and Public Health Sciences									

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								1st	2nd		
15	First Year	OMIC0	First Semester	Major Electives Courses	2	Academic & Practical	1 Foundational Courses	2	0	1035011 Dahms Hans-Uwe	None
		Special Topics in Advanced OMICs Approached in Life Sciences									
16	First Year	MAEM1	Full Academic Year	Major Electives Courses	4	Academic	1 Foundational Courses	2	2	915013 Hung-Pin Tu	None
		Special Topics on Advanced Epidemiology									
17	First Year	MSAV1	Second Semester	Major Electives Courses	2	Academic & Practical	1 Foundational Courses	0	2	960021 Ming-Tsang Wu	None
		Special Topics in Advanced Molecular Epidemiology									
18	First Year	MAIM9	Second Semester	Major Electives Courses	4	Academic	1 Foundational Courses	0	4	1035021 Wei-Chun Hung	None
		Special Topics in Advanced Immunology(EMI)									
19	First Year	MFIE8	Second Semester	Major Electives Courses	2	Academic	1 Foundational Courses	0	2	1035002 Shih, Chien-Ming	None
		Advanced Topics on Tropical Medicine(EMI)									
20	First Year	MANT3	Second Semester	Major Electives Courses	2	Academic	1 Foundational Courses	0	2	935041 Tusty-Jiuan HSIEH	None
		Innovative Research on Animal Models of Human Diseases (EMI)									
21	First Year	MSHD2	Second Semester	Major Electives Courses	3	Academic	1 Foundational Courses	0	3	1085003 Shih Yao Hsiang	None
		Special topics in human anatomy (EN)(EMI)									
22	First Year	MAAY4	First Semester	Major Electives Courses	2	Academic	1 Foundational Courses	2	0	1055022 Ponnusamy Vinoth Kumar	None
		Special Topics in Advanced Analytical Chemistry (I) (EN/EMI)									
23	First Year	MAAY3	Second Semester	Major Electives Courses	2	Academic	1 Foundational Courses	0	2	1055022 Ponnusamy Vinoth Kumar	None
		Special Topics in Advanced Analytical Chemistry (II) (EN/EMI)									
24	First Year	MBOT7	Second Semester	Major Electives Courses	2	Academic	1 Foundational Courses	0	2	935027 Jau-Ling SUEN	
		Application of Biotechnology in Research(EMI)									

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								1st	2nd		
1	Second Year	MSZE6	Full Academic Year	Major Required Courses	2	Academic	1 Foundational Courses	1	1	960021 Ming-Tsang Wu	None
		Seminar(II)（EMI）									

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								1st	2nd		
1	Third Year	MDST0	Second Semester	Major Required Courses	12	Academic & Practical	1 Foundational Courses	0	12	%	None
		Dissertation for Ph.D. Degree									

Total Credits Offered								
Required Courses	Major Required Courses	Elective Courses	Major Electives Courses	General Education Elective Courses	General Education Required Courses	General Micro-Credit Courses	General Education Micro-Credit Courses	Total
1	19		50					70

Credits Required for Graduation									
Required Courses	Major Required Courses	Elective Courses	Major Electives Courses	General Education Elective Courses	General Education Required Courses	General Micro-Credit Courses	General Education Micro-Credit Courses	Total	Interdisciplinary Credits
0	19	0	11	0	0			30	
English Proficiency	**English Proficiency: CEFR B2**								

Notes:

Doctoral Program Graduation Requirements

1. **Credit Requirements**

Newly admitted students must complete a total of 30 credits to graduate, including 7 required credits, 11 elective credits, and 12 credits for the doctoral dissertation. Graduate students may take a maximum of 15 credits per semester.

2. **Credit Requirements for Students with Different Academic Backgrounds**

Students who hold a master's degree in a medical-related field must complete at least 18 credits, excluding the 12 doctoral dissertation credits, to qualify for graduation.

Students with a bachelor's degree in medicine who are admitted directly to the doctoral program must fulfill the graduation requirements in accordance with the University's Academic Regulations.

3. **English Proficiency Graduation Requirement**

Students must meet the English proficiency graduation requirement before applying for the doctoral degree examination.

Doctoral students in this program must fulfill the following English proficiency requirement:

Students must demonstrate English proficiency at CEFR B2 level (inclusive) or above in all four skills: listening, reading, speaking, and writing, or pass an equivalent recognized English proficiency test.

For detailed information, please refer to the University's English Proficiency Test Equivalency Table (applicable to students newly admitted in Academic Year 2024).

Website Path: Office of Academic Affairs → Registration and Curriculum Section → English Proficiency Graduation Requirements.

Note: Students who have taken an English proficiency test at least once during their enrollment but failed to meet the above requirements may fulfill the requirement by completing and passing the supplementary English courses offered by the University's Center for Language and Culture.

4. **Academic Research Ethics Requirement**

Graduate students admitted in or after Academic Year 2017 must complete the self-learning courses and pass the overall assessment on the Taiwan Academic Ethics Education Resource Center website during their first semester of enrollment. A certificate of completion must be obtained before applying for the doctoral degree examination.

5. **Grading Standards for Undergraduate and Master's-Level Courses**

For undergraduate courses taken by graduate students, a minimum grade of 60 is required to pass. For master's-level courses, a minimum grade of 70 is required to pass.

Students who fail these courses are not eligible for make-up examinations. The credits and grades of these undergraduate and master's-level courses will not be included in the calculation of semester averages, graduation averages, or total earned credits.

6. **Annual Progress Reports**

After passing the qualifying examination, students are required to submit and present an annual progress report. Both dissertation advisors must attend the progress assessment.

7. **Recognition of Elective Credits from Other Doctoral Programs**

The following courses offered by other doctoral programs may be recognized as elective credits for this program:

Institute of Biomedical Sciences, National Sun Yat-sen University:
- Bioinformatics
- Advanced Bioinformatics

Institute of Environmental Engineering, National Sun Yat-sen University:
- Environmental Fate and Risk Assessment of Emerging Contaminants
- Nanotechnology and the Environment (I) and (II)

Cross-university course registration shall be handled in accordance with the University's regulations.

8. **EMI Course Credit Recognition**

For graduation credit recognition, students may receive credits for either an EMI (English as a Medium of Instruction) course or its corresponding Chinese-taught course, but not both.

Department Chair Signature: Dean Signature: