

**The Department of Environmental Engineering Graduation Requirements
for Doctoral Students Enrolled after 2020**

Items	Notes										
I. Years of Enrollment: 1. Minimum years of enrollment: 2 year 2. Maximum years of enrollment: 7 years (not including 2 years' intermission)	Part-time students may prolong years of enrollment for 1 more year.										
II. Minimum credits for graduation: <u>36</u> credits (physical education and citizen national defense education are not included), including: 1. Courses: minimum of required credits: <u>0</u> ; minimum of elective credits: <u>24</u> 2. Master Thesis: <u>12</u> credits	To pass academic and conduct courses, the grade has to be over 70. Students who fail the conduct grade will be terminated from their study. The average of academic grades comprises 50 % of the overall graduation grades. *Required credits+ Elective credits + Doctoral dissertation = minimum credits for graduation										
III. Transfer credits: maximum <u>9</u> credits	According to NCHU regulation for credits exemption, students should apply for credits exemption prior to the deadline of course add/drop.										
IV. Undergraduate credits from discipline-related courses may be counted as graduation credits. <u>0</u> credits	According to NCHU regulation, graduate students who need to take undergraduate courses for research purposes can submit the application during the period of course selection, and obtain approval from the chairperson, advisor, chairperson of the course offered, and dean of the academic affairs. The credits may be counted as graduation credits after students pass the courses. The maximum for such undergraduate credits: <u>6</u> credits										
V. Credits from other departments: <u>not limited</u> credits	Including inter-university credits. Follow the program's "Guidelines for Graduation Credit Recognition of Non-Departmental Courses". For foreign student, overseas Chinese student, and Mainland students, the allowed other department credits are 12.										
VI. Core courses and credits: 12 credits <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Core Course Title</th><th>Credits</th></tr> </thead> <tbody> <tr> <td>1. Seminar in Environmental Engineering (I)</td><td>0</td></tr> <tr> <td>2. Seminar in Environmental Engineering (II)</td><td>0</td></tr> <tr> <td>3. Seminar in Environmental Engineering (III)</td><td>0</td></tr> <tr> <td>4. Doctoral Dissertation</td><td>12</td></tr> </tbody> </table>	Core Course Title	Credits	1. Seminar in Environmental Engineering (I)	0	2. Seminar in Environmental Engineering (II)	0	3. Seminar in Environmental Engineering (III)	0	4. Doctoral Dissertation	12	1. Students who fail the core courses should retake core courses. 2. Students who don't complete core courses cannot graduate. * First-year students should take "Seminar in Environmental Engineering (I)", Second-year students should take "Seminar in Environmental Engineering (II)", and third-year students should take "Seminar in Environmental Engineering (III)". * For the master students directly advanced to the doctoral program have to retake all three seminars for the first three years in the doctoral program.
Core Course Title	Credits										
1. Seminar in Environmental Engineering (I)	0										
2. Seminar in Environmental Engineering (II)	0										
3. Seminar in Environmental Engineering (III)	0										
4. Doctoral Dissertation	12										
VII. Prerequisite Courses (not included in graduation credits): <u>0</u> credits											
VIII. Qualification approval: Doctoral students should find an academic advisor before the end of the first enrolled year with the approval of the department chair.	For those who cannot pass the qualification approval within the first enrolled year will be disqualified for doctoral study and be suspended for one semester.										
IX. Doctoral preliminary examination (DPE) Doctoral students who have fulfilled the minimum years of enrollment and passed all the required courses and finished a written preliminary research proposal can apply for a DPE. At least two thirds of the committee members approved the performance, the doctoral students then can proceed to the next stage.	The students who failed the DPE cannot take the dissertation oral defense but can apply for a second DPE. The students who failed the second DPE should discontinue their study. Please refer to the departmental "Codes for the practice of doctoral preliminary examination for doctoral preliminary examination".										

<p>X. Dissertation oral defense (DOD):</p> <ol style="list-style-type: none"> 1. Students should discuss with their advisors prior to the end of first academic year. 2. Students must get the certification of "Education on Academic and Research Ethics" course before the application of the oral defense. 3. Students who complete minimum of enrollment, fulfill graduation credits, and complete the draft of thesis should apply for oral defense at least 20 days prior to the oral defense. The passing grade for defense is 70. 	<p>Dissertation defense comprises 50% of graduation grade. Dissertation should be written in English and oral defense should be carried out in English.</p> <p>Students must take "Education on Academic and Research Ethics" course and pass the exam to obtain the certificate from the website of the Research Ethics Education.</p> <p>Students who failed DOD within the maximum enrollment year limit can retake DOD in the following academic year or semester. If they failed the 2nd DOD, they have to discontinue their study. The grade for passing the oral defense is 70. For details, please refer to the departmental "Rules for Doctoral Programs".</p>
<p>IX. Others:</p> <p>Graduation standard on English proficiency: Please refer to the departmental "Rules for Doctoral Programs".</p>	

助教吳麗芬

2019/12/11

Coordinator 系(所、學位學程)承辦人：

行政陳芃安

Chairperson 系所主管簽章：

校長兼環境工程學系系主任林伯雄