

Course Structure for Ph. D Program
, Graduate Institute of Information and Computer Education
National Taiwan Normal University

| Adaptive to Class of | Required Credit(s) | Elective Credit(s) | Free Elective Credit(s) | Minimum Total Credits for Graduation |
|----------------------|--------------------|--------------------|-------------------------|--------------------------------------|
| 111 | 0.0 | 18.0 | 6.0 | 24.0 |

Note: The first alphabet "E" on the course name refers to the course in English as a medium of instruction

I. Required Courses: 0.0 credit is required

II. Elective Courses: 0.0 credit is required

III. Courses Offered to Students in Different Divisions

Required Course, 0.0 credit is required

Elective Course: 18.0 credits are required, 6 courses are least required

| Course Code | Course Name | Credit(s) | Credit Unit | | Note |
|-------------|--|-----------|--------------|-------------------|------|
| | | | Lecture Hour | Lab/Practice Hour | |
| ICC0070 | 1 E Selective Readings in Information and Computer Education | 3.0 | 3.0 | 0.0 | |
| ICC0071 | 2 E Academic Writing in Information and Computer Education | 3.0 | 3.0 | 0.0 | |
| ICC0080 | 3 E Instructional Design for e-Learning | 3.0 | 3.0 | 0.0 | |
| ICC0090 | 4 E Digital game-based e-Learning | 3.0 | 3.0 | 0.0 | |
| E0C8002 | 5 E Advanced Educational Statistics (B) | 3.0 | 3.0 | 0.0 | |
| E0C8007 | 6 E Nonparametric Statistics | 3.0 | 3.0 | 0.0 | |
| E0C8008 | 7 E Categorical Analysis | 3.0 | 3.0 | 0.0 | |
| E0C8010 | 8 E Academic Writing for Education Research | 3.0 | 3.0 | 0.0 | |

IV. Free Elective Credits: 6.0 credits are required