博士學位候選人資格考核修課方式

Course Requirements for Ph.D. Candidacy Evaluation

108.09.11 (September 11, 2019)

修課方式:由學術委員會訂定修習博士學程之核心科目與大學部之基礎必修科目。修習博士學程之核心科目成績達及格標準並名列該科目修習人數二分之一(含)以內者，可得一點。五年內於本系或其他臺灣綜合大學系統（T4）機械相關學系修習大學部之基礎必修科目，成績達70分(含)以上或名列該科目修習人數二分之一(含)以內，經學術委員會審核通過者，每一門可抵計一點。以修課方式採計點數之科目至多四門。

**Course Requirements:**

The core subjects for the Ph.D. program and the foundational required courses for undergraduate students are determined by the Academic Committee. Students who achieve a passing grade in core subjects of the Ph.D. program and rank within the top 50% of the enrolled students in that class will earn one point.

Students who complete foundational required undergraduate courses within five years in the Department or in a mechanical engineering-related department within the Taiwan Comprehensive University System (T4), with a minimum grade of 70 or above or a ranking within the top 50% of enrolled students in the class, and have their coursework approved by the Academic Committee, will earn one point per valid course. A maximum of four courses can be counted towards points through this coursework-based method.

※資格考筆試與修課科目不可重覆計點。

※ Points for the written exam of qualification exam and course subjects cannot be double-counted.

甲組(固力設計組)可修習之科目如下：

The courses available for Group A (Solid Mechanics & Design) are as follows:

靜力學、動力學、材料力學(一)、機械設計、工程數學(二)、自動控制、機動學。

Statics, Dynamics, Strength of Materials (I), Principle of Machine Design, Engineering Mathematics (II), Automatic Control, Introduction to Mechanisms and Dynamics of Machinery.

乙組(能源熱流組)可修習之科目如下：

The courses available for Group B (Energy & Thermal Fluids) are as follows:  
熱力學、流體力學、熱傳學、工程數學(二) 。

Thermodynamics, Fluid Mechanics, Heat Transfer, Engineering Mathematics (II).

丙組(系統控制組)可修習之科目如下：

The courses available for Group C (Systems Control) are as follows:

自動控制、電子學、動力學、電工學。

Automatic Control, Electronics, Dynamics, Electrical Engineering.

丁組(精密製造組)可修習之科目如下：

The courses available for Group D (Precision Manufacturing) are as follows:

靜力學、材料力學(一) 、機械材料、工程數學(二) 、機械製造、自動控制、動力學。

Statics, Strength of Materials (I), Materials Engineering, Engineering Mathematics (II), Manufacturing Processes, Automatic Control, Dynamics.