

THE UNIVERSITY OF HONG KONG

Master of Science (Engineering) in Mechanical Engineering

Credit Unit Statement

The Master of Science (Engineering) in Mechanical Engineering curriculum offers two types of courses, namely taught courses and dissertation. The total study load of the curriculum (72 credits of courses) is under the range of 1440-2160 hours. The majority of courses are 6-credit courses comprising lectures and tutorials. The curriculum also has one 24-credit Dissertation as Capstone Experience. The norm for a 6-credit course represents a range of 120 to 180 hours of student learning activity, whereas a range of 480 to 720 hours of student learning activity will be the norm for a 24-credit Dissertation. Courses are assessed through coursework, a written examination, or a combination of coursework and a written examination. The categories of courses are summarized as follows:

Taught courses (6 credits)

These courses aim at providing advanced postgraduate education in the fields of energy and power; environmental engineering; material technology; theoretical mechanics and computer integrated design and manufacturing to graduates in engineering or related science. The total contact hours of these courses are normally 33 hours consisting of lectures and/or tutorials. The assessment is generally based on coursework assignments and written examination. The written examination is normally 2 - 3 hours. The coursework:examination ratio for courses ranged from 20:80 to 50:50.

Dissertation (24 credits)

The Dissertation provides Capstone Experience of the curriculum. The primary aims is to simulate a realistic working experience for students; to provide them an experience of applying engineering principles, engineering economics, business or management skills; and to train students to work independently to obtain an effective and acceptable solution to industry-related or research-type problems.

The total study load is expected to be in the range of 480 to 720 hours, including the dissertation and supporting course components, which might be in form of workshops and/or seminars and/or visits with individual assessment such as quiz and/or project report. The total written output for the dissertation is expected to be around 8,000 words. All assessment results will contribute to the final result of the dissertation and is 100% based on coursework.

Faculty of Engineering

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