

THE UNIVERSITY OF HONG KONG

Master of Science (Engineering) in Industrial Engineering and Logistics Management

Credit Unit Statement

The Master of Science (Engineering) in Industrial Engineering and Logistics Management 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 taught 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. Taught 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 students with advanced education and training in the philosophy, methods and techniques of Industrial Engineering and Industrial / Logistics Management. The total study load of each of these courses is normally between 120 and 150 hours, including 30 – 40 contact hours 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. Its primary aim is to give individual students an opportunity to handle a practical or research engineering problem within the practical constraints and to present the findings in a precise and concise report under the supervision of a teacher. An important part of Dissertation lies in the way in which the students plan and carry out the tasks, and apply their engineering knowledge sensibly and diligently to solve the problem. The way in which the students present their findings is equally important.

The total study load is expected to be in the range of 480 to 720 hours, including the dissertation itself and supporting course components, which might be in the form of workshops and/or seminars and/or visits with individual assessments such as project reports. The total written output for the dissertation is expected to be around 30,000 words. All assessment results will contribute to the final result of Dissertation and is 100% based on coursework.

Faculty of Engineering

April 2016