

# The Hong Kong University of Science and Technology

## UG Course Syllabus

Data Driven Supply Chain Management

IEDA4410

3 Credits

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### Course Description

With the advancement of information technology and globalization, competition is no longer restricted to local participants but on the performance of the entire supply chain. The ability to capture, store, aggregate and analyze data and then extract intelligence is now rapidly becoming a mandate for virtually all organizations. This course offers an introduction to the basic concepts and philosophies of supply chain management including inventory management, risk pooling, bullwhip effect, smart pricing and supply chain coordination. Moreover, real world companies' cases are discussed to show how to leverage big data and analytics to extract new insights and gain competitive advantages from supply chains.

### Assessments:

Assessment Task	Contribution to Overall Course grade (%)	Due date*
Homework assignments	10%	Week 4, 5, 10, 11
Participations	15%	Week 5, 6, 7, 8, 10, 11, 12
Mid-Term	25%	Week 9
Final examination	40%	University Examination Week
Group Project	10%	Week 13

\*Please check the updated schedules on canvas

### Required Texts and Materials

Case readings: copyright protected versions of case documents will be provided on canvas