

# Essential Chemistry for Global Leaders I

## 概要

This course conveys the excitement of contemporary chemistry, exploring the frontiers of research and applications of chemistry and relating them to the basic chemical concepts. We will look at some basic chemical storylines which will introduce real-world social and industrial contexts which will then link into chemical ideas - the basic chemical science necessary to gain a full understanding of the chemical storylines at a more fundamental level.

By linking chemical storylines to the chemical ideas it is hoped that students will not only gain a grasp of the fundamentals of chemistry, but also be able to relate that knowledge to its relevance in the real-world.

## 講師



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英、ハル大学にて博士号取得。

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## スケジュール

日時	教室	講義テーマ
10月7日(火) 9:00~10:30	カンファレンス ルーム (本館135)	Part 1: Elements of Life. Where do chemical elements come from? What are we made of? Looking for patterns in elements. Part 2: Developing Fuel Getting energy from fuels. Making petrol. Tackling the emissions problem. Part 3: Elements from the Sea Why is the sea so salty? How best to manufacture chlorine? Treasures of the sea. Part 4: The Atmosphere What's in the air? Ozone - a vital sunscreen. The greenhouse effect. Focus on carbon dioxide. Part 5: Polymer Revolution The polythene story. Towards high density polymers. Polymers that outdo nature.
10月14日(火) 9:00~10:30		
10月21日(火) 9:00~10:30		
10月28日(火) 9:00~10:30		
11月4日(火) 9:00~10:30		
11月11日(火) 9:00~10:30		
11月18日(火) 9:00~10:30		
11月25日(火) 9:00~10:30		
12月2日(火) 9:00~10:30		
12月9日(火) 9:00~10:30		
12月16日(火) 9:00~10:30		
1月6日(火) 9:00~10:30		
1月13日(火) 9:00~10:30		
1月20日(火) 9:00~10:30		
1月27日(火) 9:00~10:30		