SISP 1310 Engineering and Environment

Course Description
The course will focus on the impact of Engineering discipline on the environment and will focus on the contributions from each of the Engineering disciplines: (1) Biochemical, (2) Chemical, (3) Civil, (4) Computer/Information Technology, (5) Electronic, (6) Logistic and Manufacturing and (7) Mechanical Engineering.

Topics
1. People, Energy and Environment
2. Pollution Prevention and Treatment
3. Mobility and Transportation
4. Fuel and Energy
5. E-environment
6. Green Building and Construction
7. Your Environment

Grading Scheme
- Homework (50%)
- Class discussion and participation (50%)

[Topics and grading schemes are subject to change as deemed appropriate. Students will receive information and guidelines in class on how they will be assessed for the course.]

Instructor
Prof King Lun YEUNG
Prof Yeung joined HKUST as Assistant Professor in 1996, and rose through the rank to Professor in 2010. He obtained his PhD in Chemical Engineering in 1993 from University of Notre Dame, where he spent his early academic career as post-doctoral fellow before joining HKUST. As an internationally recognized scholar in chemical engineering, Prof Yeung has made remarkable contributions in a wide range of areas including advanced materials, chemical reaction engineering, nanostructured materials, inorganic membranes, and microchemical systems. His work has been extensively cited by leading researchers in the field. In addition, Prof Yeung serves as editor or editorial board member of a number of prestigious journals, and member of International Scientific Committee of various flagship conferences. He is also an exemplary educator who received the Teaching Excellence Appreciation Award of the School of Engineering. He has been the Postgraduate Coordinator of the CBME Department and a member of the Engineering Postgraduate Studies Committee of the School since 2012 and is currently Associate Dean (Research & Graduate Studies) of the School of Engineering at HKUST.