

## **Syllabus for CENG1980**

The course will be automatically added to the time schedule in the Spring or Summer term of Year 4.

### **1. Intended Learning Outcome of Industrial training**

- Gain practical exposure to the operations in engineering industry through plant visits.
- Utilize engineering principles to analyze and solve real-world industrial problems.
- Identify and address safety issues pertinent to process design and unit operations within the engineering sector.
- Communicate technical results and findings clearly and effectively in an industrial context.
- Investigate various career paths available in the engineering sectors.
- Foster a mindset of continuous learning through real-world applications and experiences in the field.

### **2. Requirements**

ILO	Modules	Study Pattern
3	a. Safety training offered Industrial training Center b. Risk analysis and process safety training in the lab course offered by department	Throughout the regular terms, summer or winter break
1,2,3,4,5,6	a. Attend 2 Plant Visits with reflection reports b. Complete an internship, with min 160 hours working time. Submit a reflection report, together with supervisors' comments, to SIS within one month describing the technical achievement and the impact of the internship on career planning.	Throughout the regular terms, summer or winter break

#### **Note**

a. Students can either apply for the internships on departmental webpage or look for internships by themselves.

b. Students are allowed to replace internship with other approved hands-on experience or Co-curricular activities, like UROP, Chem-E Car, SIGHT, iGEM, and competitions. Prior consultation with the department about these activities is recommended.

Details may be found from departmental webpage

[https://cbe.ust.hk/intranet/summer/ug\\_co\\_inter\\_training.php](https://cbe.ust.hk/intranet/summer/ug_co_inter_training.php)

### **3. Assessment Method**

For Industrial visit and Internship:

- a. Industrial training coordinator assess the technical reports and reflective statements submitted by students at the end of industrial visit or internship
- b. Feedback from internship employer should be overall Satisfactory.

Students need to get satisfactory or above in above-mentioned components to pass the course.

Should students have any enquiries, they may send email to [keintern@ust.hk](mailto:keintern@ust.hk) or contact department office or internship coordinator