

**2017 Harvard-KMU  
exchange program  
Jan 9<sup>th</sup>-Jan 19<sup>th</sup>, 2017**

# Introduction

Presenter: Ming-Tsang Wu, MD, ScD

# Started from 2005; 13th-year anniversary

## **Field Experience in International Occupational Health and Safety (衛生管理實務) (Winter session)**

This intensive two to three week course, in collaboration with Kaohsiung Medical University's

Department of Public Health (Graduate Institute of Environmental and Occupational Safety and Health and Graduate Institute of Public Health) will focus on several major industries in Taiwan. Lectures will cover these industrial processes and their known health and safety risks. Students will be taken on several supervised site visits to each industry, and will be encouraged to process their observations through interactive discussions.

This course will also provide exposure to cultural issues around work, work organization, labor-management relations, and governmental and academic roles relevant to occupational safety and health in these settings. The faculty will include several HSPH alumni and experts in southern Taiwan.

**Course Activities:** Site visits; seminar presentations.

Written reports of site visits will be prepared by students, with oral presentations and discussion.

Course Credit: 2.5 credits. Grading: Pass-Fail.

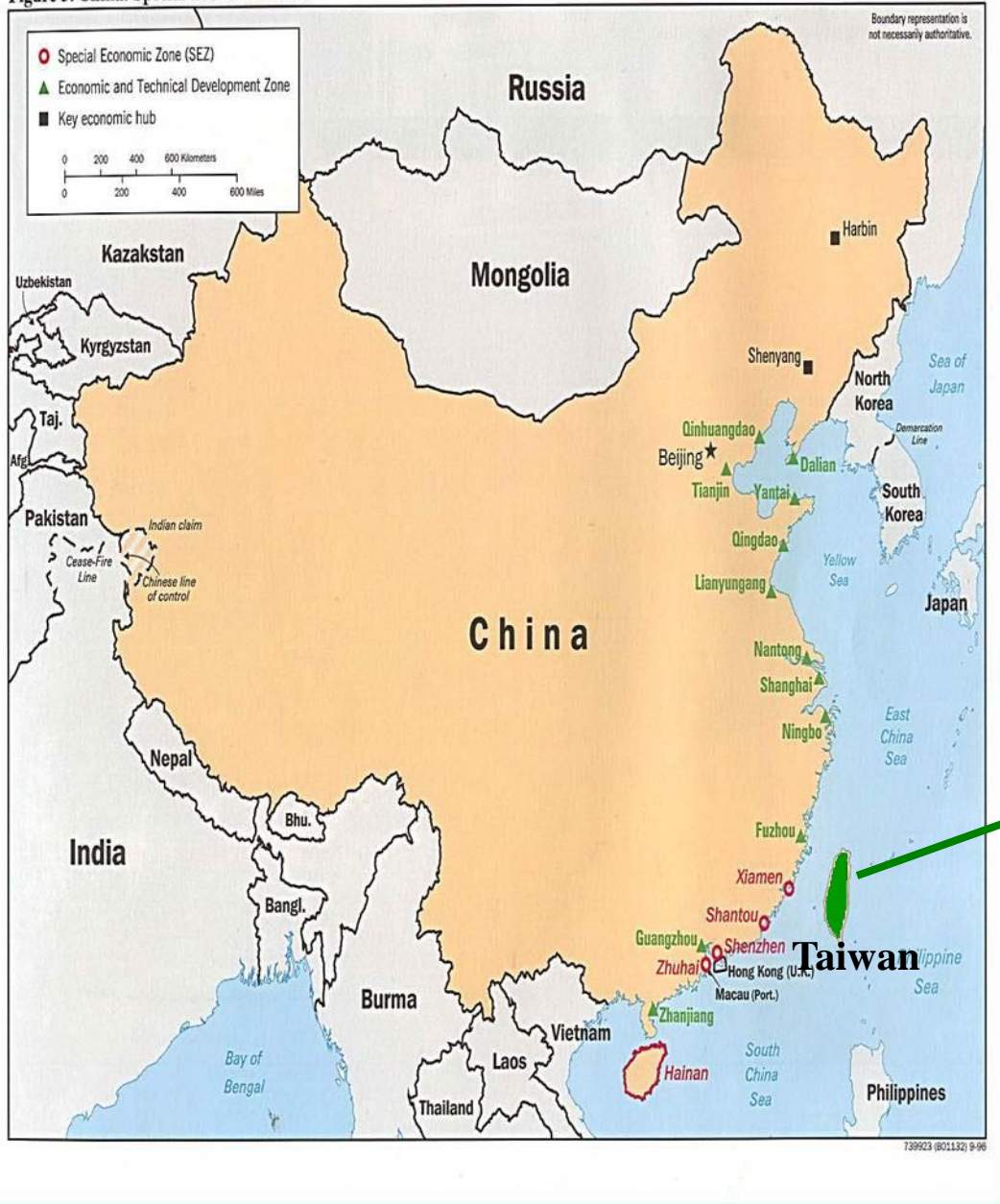


# Kaohsiung Medical University

**The First Private Medical University in Taiwan**



Figure 3. China: Special Economic Zones



# KMC -- KMU



**Kaohsiung Medical College**  
16<sup>th</sup> Oct. 1954



**Kaohsiung Medical University**  
1<sup>st</sup> Aug. 1999

# KMU Founders

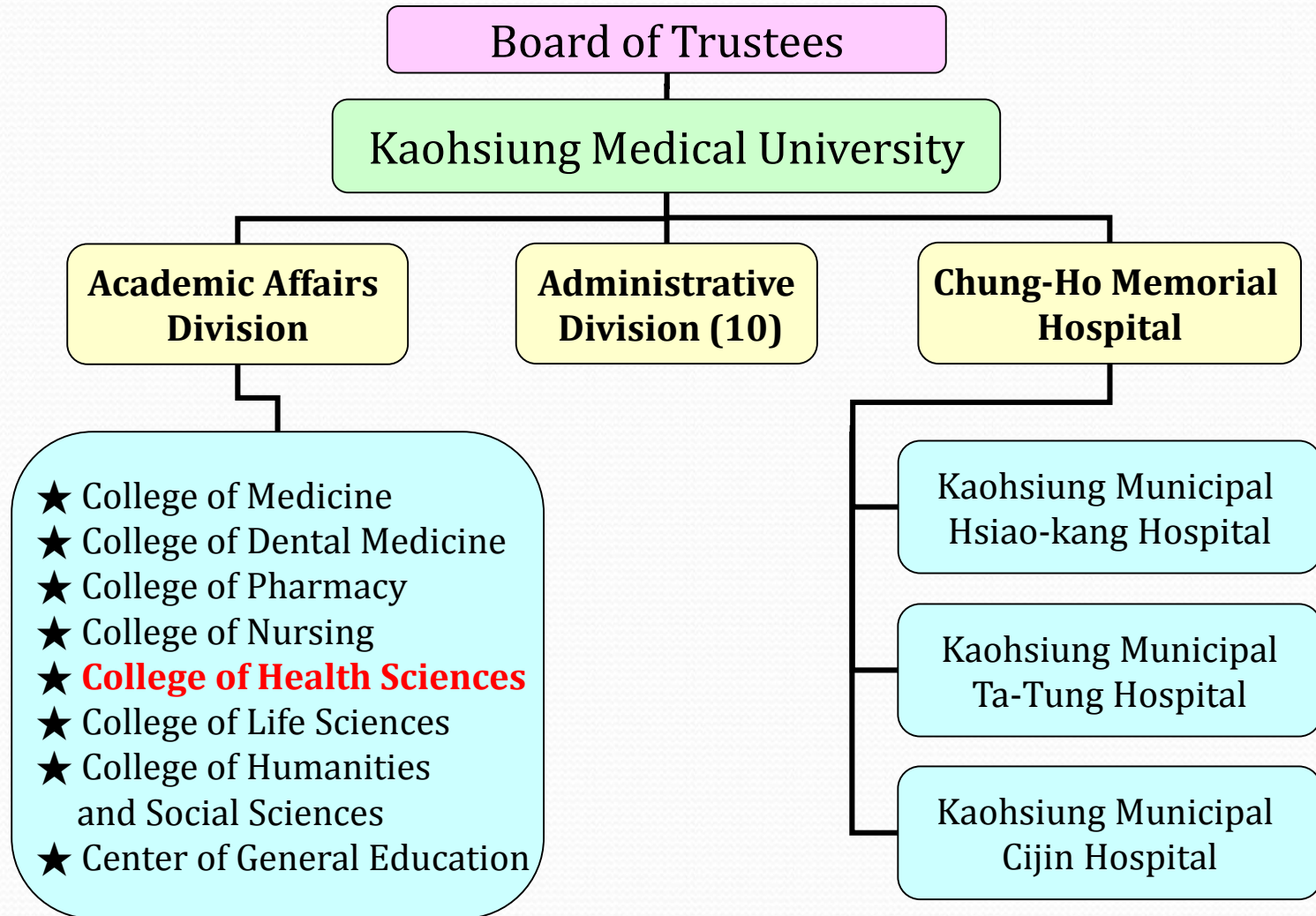


**Mr. Frank C. Chen**  
**The 1<sup>st</sup> and 3<sup>rd</sup> Chairman of**  
**KMU Board of Trustees**  
**( 1899.06.06-1993.05.11 )**  
**Keio University**



**Prof. Tsung-Ming Tu**  
**KMU's 1<sup>st</sup> President**  
**( 1893.07.14-1986.02.25 )**  
**PhD, Kyoto University**

# University Organization



(21 Departments/Institutes with Master and Ph.D. Programs)



# Kaohsiung Medical University

- ~500 faculty members
- ~7,000 undergraduate students
- ~1,000 graduate students
  
- **College of Health Sciences**
  - **Department of Public Health**
    - **Bachelor of Public Health**
    - **Master of Public health**
    - **Master of Occupational Safety & Health**
    - **→ Two master programs: Merge**
    - **Doctor of Environmental & Occupational Safety & Health**
    - **→ Doctor of Public Health**



# KMU-Harvard Foundation

- Kaohsiung Medical University (KMU): Board of Trustee **Chairman Chen** donated 1 million US dollars to establish this Foundation in 1995.
- In March, 2011, Chairman Chen donated additional 100,000 US dollars to David's lab.



# Course Requirement

Presenter: Chiung-Yu Peng, Dr. PH

# Course requirement

- Walk through five different companies: separate into five groups (Work closely with our students)
- Present your findings on Jan. 19<sup>th</sup> morning (20 min for each group, discussion & feedback for 5 min)
- Write the final report (within 10 pages single space: due date: Jan. 31, 2017 before the midnight; mail the final report to Peng at [pengcy@cc.kmu.edu.tw](mailto:pengcy@cc.kmu.edu.tw) , Ming at [e\\_encourage@yahoo.com](mailto:e_encourage@yahoo.com), and Cheng-Kuan (Calvin) Lin at [chl309@mail.harvard.edu](mailto:chl309@mail.harvard.edu) )

# 2017 Harvard-KMU International Exchange Program-Practice of Occupational Health

## **5 field visits to industries**

1. China Steel Corporation
2. Taiwan Power Company /Nanpu Power Plant
3. Kaohsiung Rapid Transit Corporation
4. CSBC CORPORATION
5. LCY CHEMICAL CORPORATION /Dashe Site

# Site Visit & Written Report Guideline

## **A. Basic information**

1. Name of plant, where is it located, date of visit, & how about weather?
2. Background and brief history of this plant.
3. Contacted person?
4. How many employees in this plant? Gender distribution? Rotation shift?
5. Major products of this plant?

# Site Visit & Written Report Guideline ( continue )

## **A. Basic information**

6. The major process of the products in this plant?  
Or the major tasks in this company?
7. Information about the plant's safety facilities & industrial hygienists?
8. How to organize the Department of Industrial Hygiene in this plant? Levels of the Department of Industrial Hygiene in this plant?
9. Injury treatment and emergency plan in this plant?
10. Labor insurance?

# Site Visit & Written Report Guideline ( continue )

## **B. Walkthrough visit**

1. Does the plant have standard operation procedures (SOP)? Do workers follow the SOPs?
2. What potential hazards, including chemical, physical, biological, and ergonomic hazards in this plant? And what potential consequences or adverse health effects because of those hazards?



# Site Visit & Written Report Guideline ( continue )

## **B. Walkthrough visit**

3. Any control measure in the plant
4. How do the plant deal with the workplace-related injuries and diseases, and examine the causes of these events?

## **C. Hazard recognition?**

## **D. Health examination & management**

## **E. Conclusion & Suggestions**

# Schedule

| Date                 |        | Time                           | Itinerary  | Location                            | Host   |
|----------------------|--------|--------------------------------|--|-------------------------------------|--|
| Jan 11 <sup>th</sup> | Weds.  | 13:00-14:00                    | Lunch time and rest                                | CS703                               | Dr. Tsu-Nai Wang<br>Dr. Ming-Tsang Wu<br>Dr. Yung-Chang Lai<br>Dr. Chiung-Yu Peng<br>Dr. Tai-Cheng Lai |
|                      |        | 14:00-16:30                    | 2017 Harvard-KMU Environmental Medicine Conference | A-3F, audiovisual center            |  |
|                      |        | 16:30-18:00                    | Class Introduction                                 |                                     |  |
| Jan 12 <sup>th</sup> | Thurs. | 09:00                          | KMRT R3 Station EXIT No.4                          | China Steel                         | Dr. Tai-Cheng Lai  |
|                      |        | 09:15-16:00                    | China Steel  |                                     |  |
| Jan 13 <sup>th</sup> | Fri.   | 08:30                          | KMRT R7 Station EXIT No.1                          | Nanpu Power Plant                   | Dr. Chiung-Yu Peng<br>Dr. Tai-Cheng Lai  |
|                      |        | 09:00-12:00                    | Taiwan Power Company Nanpu Power Plant             |                                     |  |
| Jan 14 <sup>th</sup> | Sat.   | The tour of Kaohsiung & Tainan |  |                                     |  |
| Jan 15 <sup>th</sup> | Sun.   |                                |  |                                     |  |
| Jan 16 <sup>th</sup> | Mon.   | 08:45                          | KMRT R4A Station EXIT No.2                         | Kaohsiung Rapid Transit Corporation | Dr. Yung-Chang Lai<br>Dr. Tai-Cheng Lai  |
|                      |        | 09:00 - 16:00                  | Kaohsiung Rapid Transit Corporation                |                                     |  |

| Date                 |        | Time                   | Itinerary  | Location         | Host   |
|----------------------|--------|------------------------|--|------------------|--|
| Jan 17 <sup>th</sup> | Tues.  | 08:10                  | KMU campus, take BUS   |                  | Dr. Chiung-Yu Peng   |
|                      |        | 09:00-12:00            | CSBC CORPORATION   | CSBC CORPORATION |  |
|                      |        | 13:30-16:30            | LCY CHEMICAL CORPORATION   | Dashe Site       |  |
| Jan 18 <sup>th</sup> | Weds.  | 11:30                  | walk to KMU  | KMU              | Dr. Ming-Tsang Wu<br>Dr. Chiung-Yu Peng  |
|                      |        | 12:00-13:30            | Lunch time and Official meeting with Chairman and Principle of KMU |                  |  |
|                      |        | 13:30-                 | Discussion time  |                  |  |
| Jan 19 <sup>th</sup> | Thurs. | 09:00-12:00            | Oral presentation  | KMU CS211        | Dr. Ming-Tsang Wu<br>Dr. Yung-Chang Lai<br>Dr. Chiung-Yu Peng<br>Dr. Tai-Cheng Lai |
|                      |        | 12:00-14:00            | Lunch time   |                  |  |
| Jan 20 <sup>th</sup> | Frid.  | Check flight itinerary | Say Good-bye to Taiwan!  |                  |  |



Thank you &  
Welcome to Kaohsiung