



國立中興大學  
NATIONAL  
CHUNG HSING UNIVERSITY

# NCHU

## **Scientific Strategies and Health Education to Combat COVID-19 Pandemic**



## Core of NCHU Scientific Control

1. **Possess** instant national and international information of COVID-19 epidemics
2. **Pre-emptive** actions and standard precautions
3. **Provide** correct public health measures for personal protection
4. **Promote** preventive measures with **CARE** and **EMPATHY**



➤ Decision made on no confirmed local cases for more than 3 weeks

➤ Decision made by  
1. Seasonal Factor (Christmas & New Year)  
2. Community Mobility Risk (Taoyuan Hospital cluster infection)  
3. International Spread of Covid-19 Pandemic

2020

FEB

MAY

DEC

2021



HIGH RISK PERIOD

LOW RISK PERIOD

POTENTIAL RISK PERIOD



國立中興大學  
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# OUTLINE

01

Scientific Control

02

Distance Education

## NCHU Scientific Control Phase

### Early Self-Detection

#### A. Self-Health Management

#### B. Epidemiological History

\*History of Traveling or  
Contact with Probable or Confirmed Cases

Dry  
Cough &  
Sore  
Throat

Fever

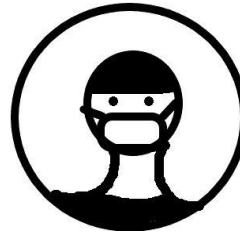
Loss of  
Smell or  
Taste

Headache

Diarrhea

### Self-Protection

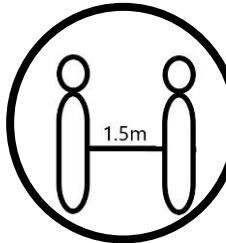
#### C. Scientific Way



Wear a Mask



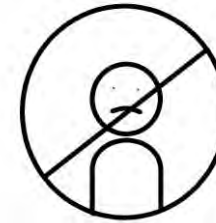
Use Hands Sanitizer  
or Soap



Keep Distance

### Prevention

#### D. Instant Announcement



No Mask; No Entry

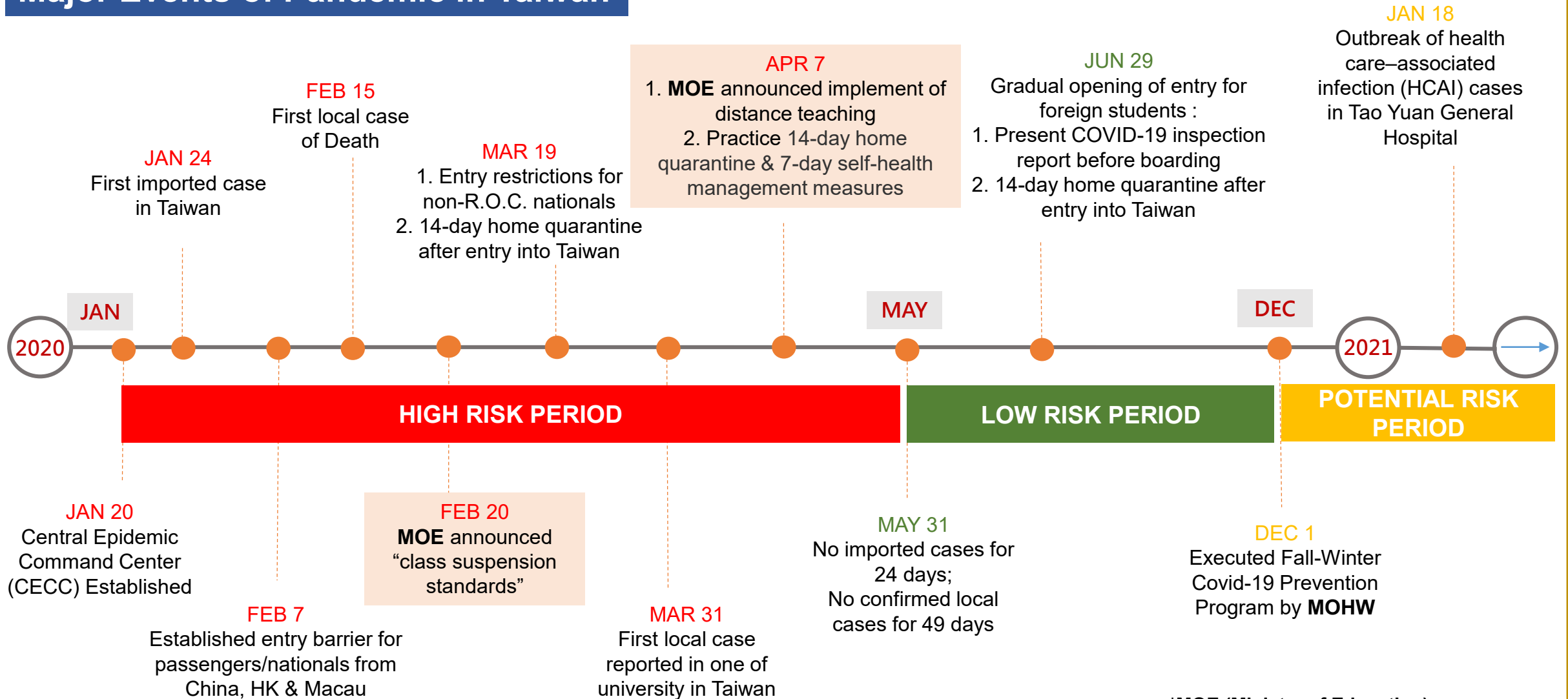


Avoid Crowded Places



Avoid Traveling

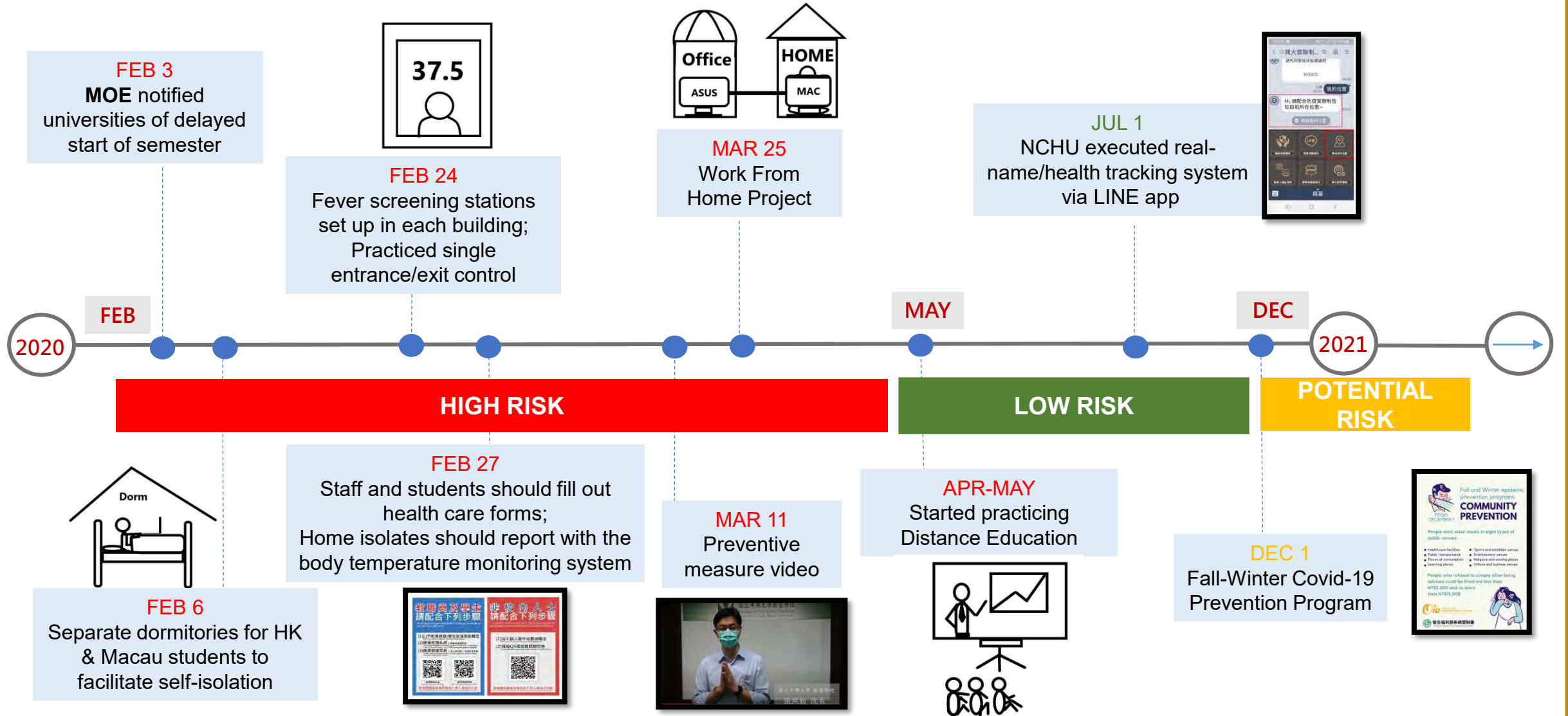
## Major Events of Pandemic in Taiwan



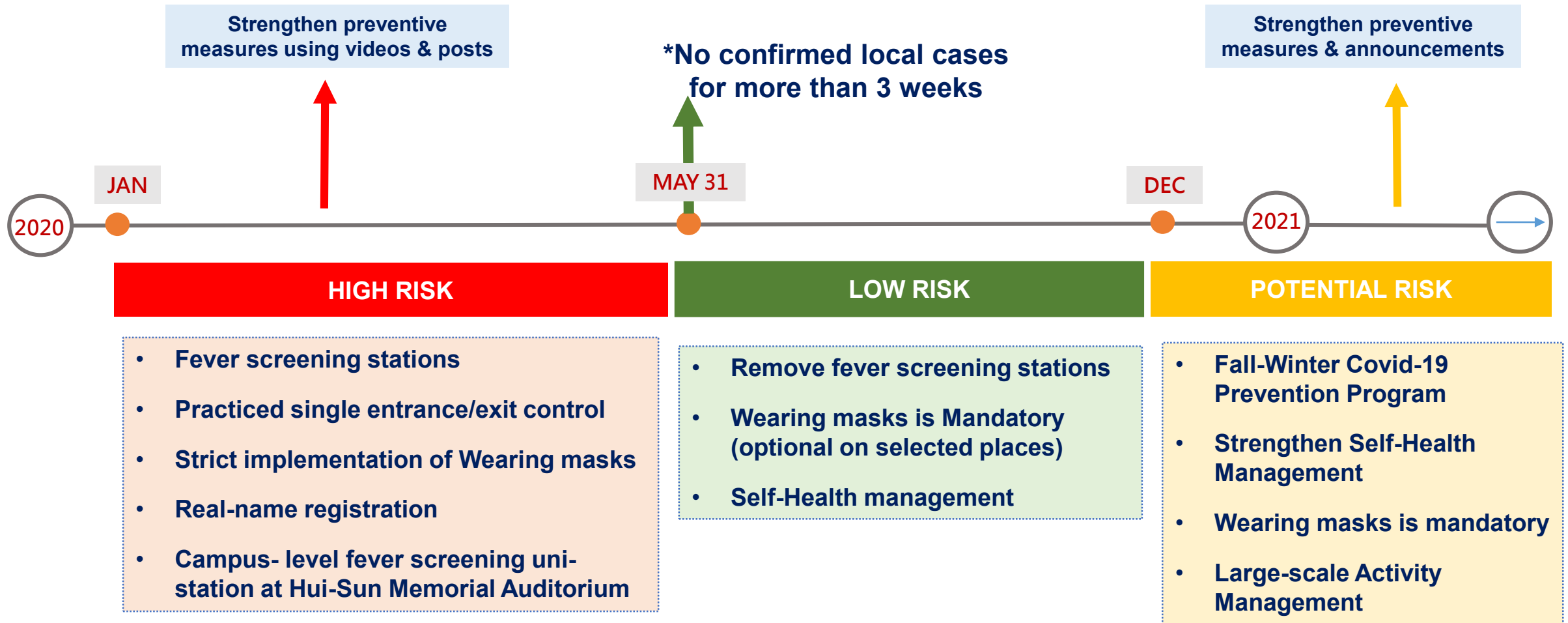
\*MOE (Ministry of Education)

\*MOHW (Ministry of Health and Welfare)

# NCHU Precautionary Measures on COVID-19



# NCHU COVID-19 Prevention Strategies



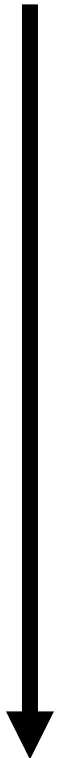


## NCHU Emergency Response Team (ERT)



## Action Plan

ORDER



**President**

Convener: Vice President  
Vice Convener: Secretary General

Main Contact :  
Office of Student Affairs

Consultant

Press Release

ACTION



1

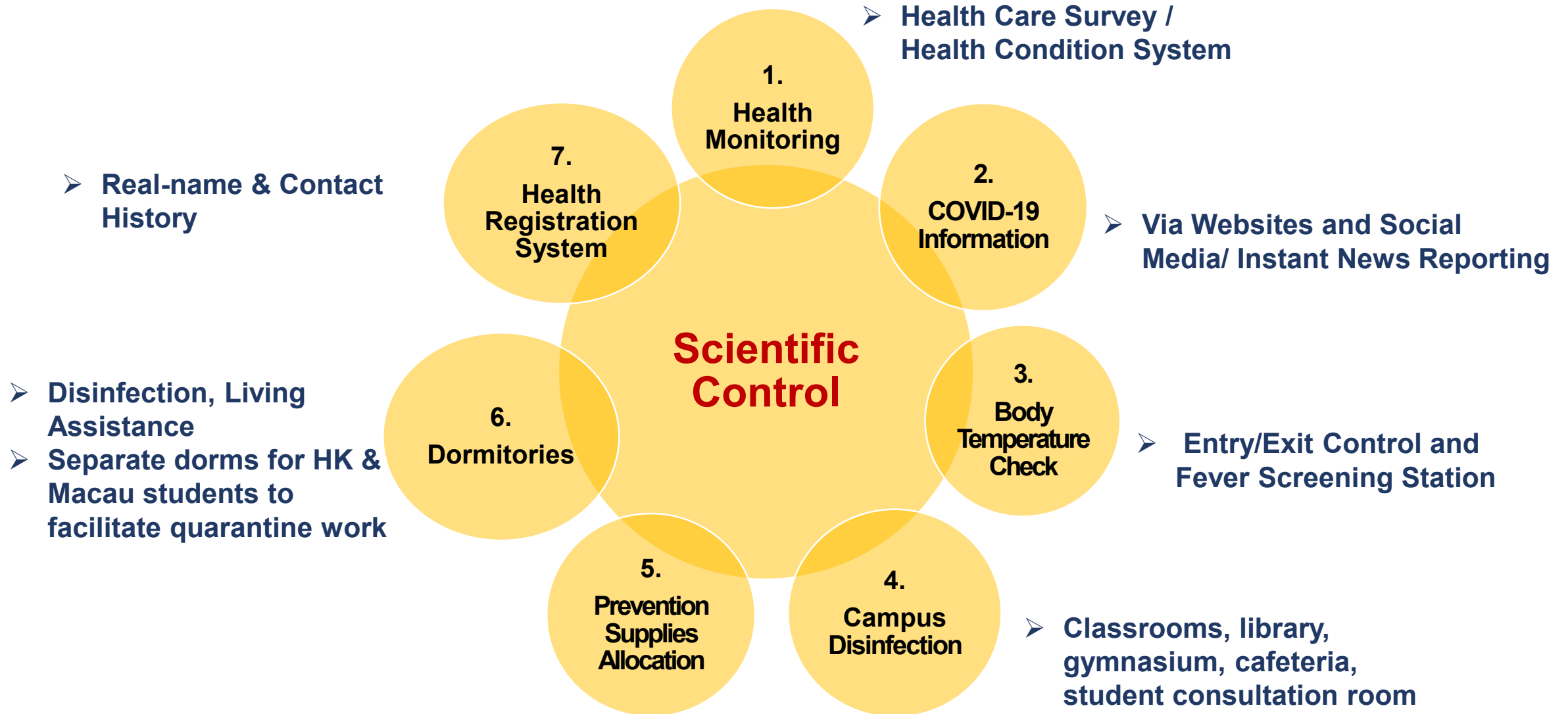
Stay up to date with instant news and latest notification from Central Epidemic Command Center (CECC)

2

Amending current control measures and enabling advanced deployment

# I. Scientific Control

## Scientific Control



# 1-1. Health Monitoring

CH / EN  
Version

## Health Care Survey \*Faculty & Students

健康關懷問卷 上次填寫日期: 2020-02-11 14:08:36.0

\*請確實填寫並遵守各項自主健康管理規定，違反者可依[傳染病防治法]第48條，依罰法第67條可處新台幣6萬至30萬元不等罰鍰  
\*Please complete the form accurately and follow the related rules of self-health management. According to Article 42 of Communicable Disease Control Act, people who obey the rules could be fined NT\$60,000 ~ \$300,000.

1. 聯絡電話 contact number \*

2. 最近或近期出境史 History of travelling outside of Taiwan recently or before the semester begin \*

您的回答 Answer: 無 NO ☐ 有 YES ☐

3. 最近14天內是否有以下症狀 Any symptom appear in the past 14 days as follow (multiple choice) \*

您的回答 Answer:

☐ 無以下任一症狀 None of the above

☐ 發燒 (≥37.5度) Fever (temperature over 37.5 C)

☐ 咳嗽 Cough

☐ 喉嚨痛 Sore throat

☐ 呼吸器症狀或呼吸困難、呼吸困難 Respiratory illness symptoms (tachypnea, dyspnea)

☐ 流鼻涕 Runny Nose

☐ 肌肉痠痛 Muscle soreness

☐ 關節疼痛 Joint pain

☐ 疲勞無力 General fatigue

☐ 其他 Others

4. 身體狀況 Health condition \*

一週內是否曾接受COVID-19診斷 Have you got the rapid influenza diagnostic test for influenza A or B in the past one week?

您的回答: 無 NO ☐ 有 YES ☐

5. 近來近期情況調查 Frequent self-situation survey \*

☐ 無 none

☐ 強制隔離 確診病例 Forced quarantine: confirmed case

☐ 符合醫院定義者 醫學機構流行病學家 檢驗結果呈陽性，於醫院隔離期間 Must the definition of notification: notified by medical institutions, being isolated in the hospital now and is waiting for the test result

☐ 居家隔離 與確診病例接觸者 Home isolation: people who had interaction with confirmed cases

☐ 健康監測 無症狀，但有過此症，曾前往及前往有症狀，小三陽或曾受測者 Health Care: people with no symptoms but had a history of travelling to Hubei, Guangdong and Zhejiang, or travelled via Min Three Links

☐ 健康追蹤 中途入境或有發燒或呼吸器症狀者 Health tracking: entering from China, Hong-Kong and Macao and have a fever or respiratory illness symptoms

☐ 自主健康管理 醫療機構已檢驗陰性且符合居家隔離者 Self-health management: notified case but was already tested negative and released from quarantine

☐ 中途入境或入境症狀者 入境後14日內在居家自主健康管理 People with no symptoms but was entered from China, Hong-Kong and Macao: self-observation at home 14 days since arrival

## Health Condition System

### 中興大學體溫監控系統-自主健康管理

#### 疫情通報狀態

Epidemic Notification  
Appearance

無

姓名 Name

登入時間 Login Time

20-02-2020 16:40

體溫(°) Temperature(°)

請輸入35.0-41.0

測量地點 Location

ex:(住家/健康中心/宿舍 房號/宿舍大樓/租

症狀說明(°) Symptom (°)

☐ 無 ☐ 有

儲存

## Health Care Survey \*Visitors

### 中興大學 健康關懷問卷(訪客用)

個資蒐集告知聲明事項:

- 一、本校因執行疾病管理局之「自主健康管理」業務，需蒐集您的個人資料包括姓名與聯絡方式。
- 二、利用您的個人資料期間為即日起至109.08.31止，利用地區為台灣地區。
- 三、您的個人資料受到本校【隱私權政策聲明】之保護及規範，本校知違反「個人資料保護法」規定或因天災、事變或其他不可抗力所致者，致您的個人資料被竊取、洩漏、竄改、遭其他侵害者，本校將於查明後以電話、信函、電子郵件或網站公告等方法，擇適當方式通知您。
- 四、當您勾選「同意」時，即表示您已閱讀、瞭解並同意此聲明項之所有內容。

\*必填

請問您是否同意以上聲明項之所有內容 \*

- ☐ 同意
- ☐ 不同意

繼續

請勿利用 Google 表單送出密碼。

這份表單是在 國立中興大學 中建立。檢舉濫用情形

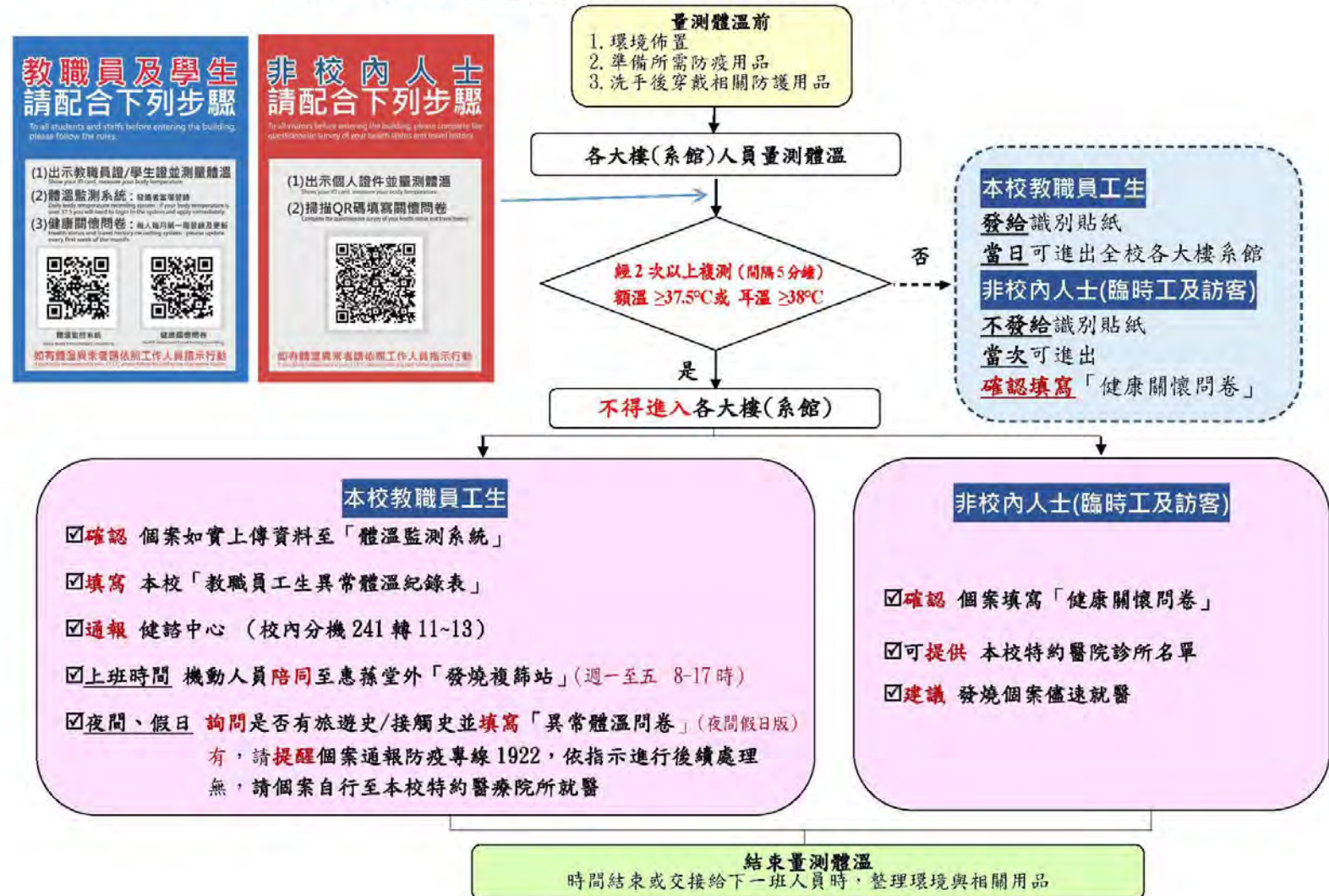
Google 表單

## 1-2. Health Monitoring

CH / EN  
Version

### ➤ NCHU Pandemic Prevention Process Chart

國立中興大學 (大樓或系館名稱) 發燒初篩站實施流程圖





## 2-1. COVID-19 Information

CH Version

### NCHU's Official Website



### NCHU's Official Facebook Page



### COVID-19 Prevention Section



Please Visit : <http://covid-19.nchu.edu.tw>

## 2-2. COVID-19 Information

EN Version

### OIA's Official Website Info



### OIA's Prevention information



Fall and Winter epidemic prevention programs  
**COMMUNITY PREVENTION**  
FROM DECEMBER 1

People must wear masks in eight types of public venues:

- Healthcare facilities
- Public transportation
- Places of consumption
- Learning places
- Sports and exhibition venues
- Entertainment venues
- Religious and worship places
- Offices and business venues

People who refused to comply after being advised could be fined not less than NT\$3,000 and no more than NT\$15,000



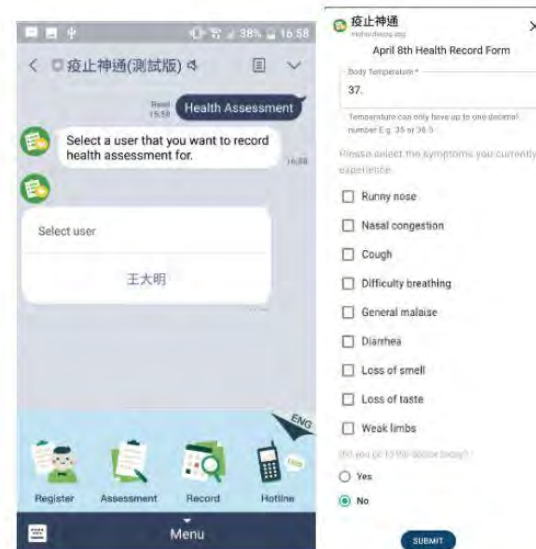
Oia OFFICE OF INTERNATIONAL AFFAIRS  
NATIONAL CHUNG HSING UNIVERSITY

衛生福利部疾病管制署  
Taiwan Centers for Disease Control

### Governmental Health Reporting System



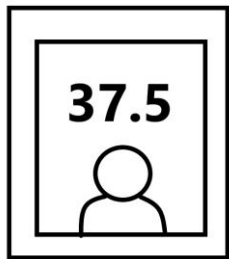
- Click Menu to open or close it
- 「Register」 - Register new user
- 「Assessment」 - Fill out Health record form
- 「Record」 - Health records history
- 「Hotline」 - Call 1922 or Care Center





3.  
Body  
Temperature

- Fever screening station / Single entrance & exit
- Hand sanitizers provided
- Temperature  $\geq 37.5^{\circ}\text{C}$   
Seek for medical attention right away





4.  
Campus  
Disinfection

5.  
Prevention  
Supplies  
Allocation



Disinfection of Buildings and Facilities



COVID-19 Prevention Supplies



Auto/ non- auto Hand Sanitizer



一館G17教室門口加裝酒精自動噴灑器

一館三樓大教室門口加裝酒精自動噴灑器

國農432教室門口加裝酒精自動噴灑器

## 6. Dormitories



### *Disinfection*

- Regular disinfection of Building and Facilities
- Control dumpsites for waste disposal



### *Health Monitoring*

- Measure body temperature
- Take symptoms observation



### *Isolated Quarantine Area for Students from HK and Macau, Feb. 2020*

- Male and Female dorms separated
- 24-hour security



### *Assistance of Home Quarantine Students*

- Daily Necessities
- Sanitizing Supplies
- Forehead Thermometers

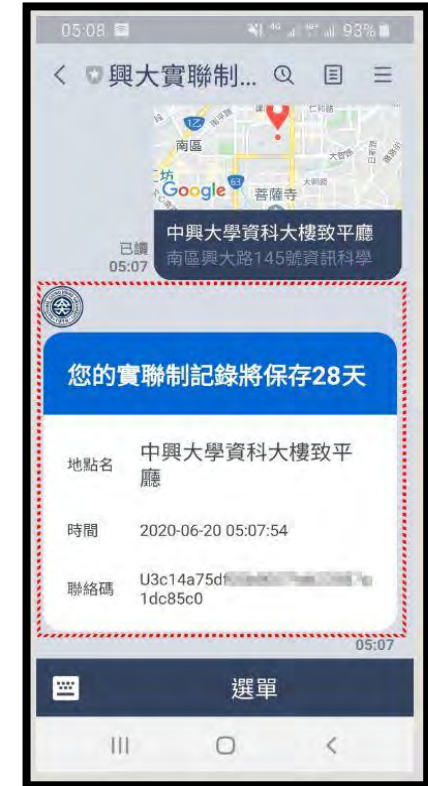
## 7. Health Registration System



1. Add the chatbot (chatting robot) as friend via LINE



2. Information Security Verification Center collects real connection records and locate your phone



3. In order to trace back your health records, your information will be recorded and saved for 28 days

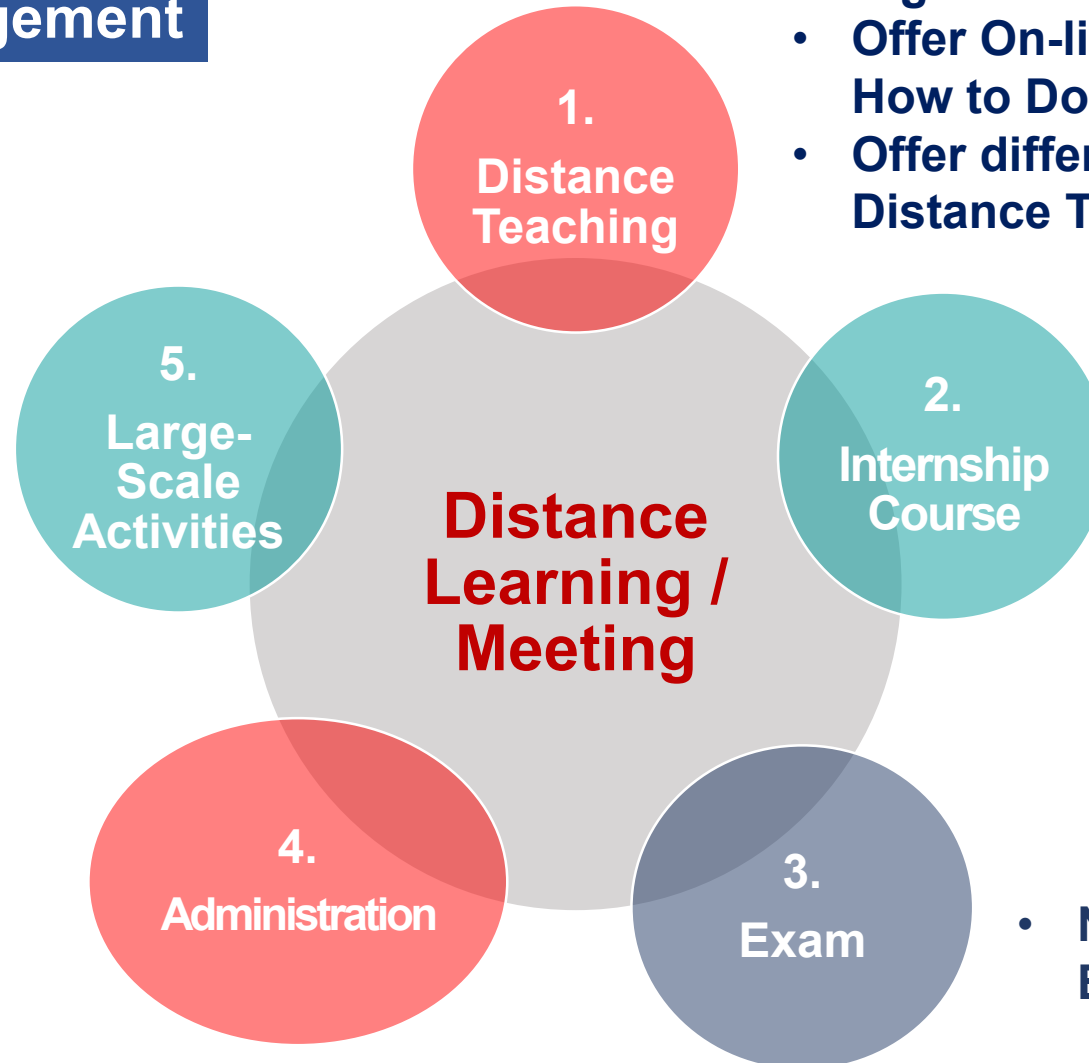
## II. Distance Education



## Distance Education & Administrative Management

- 2020 Employment Expo

- Work From Home
- Remote Working



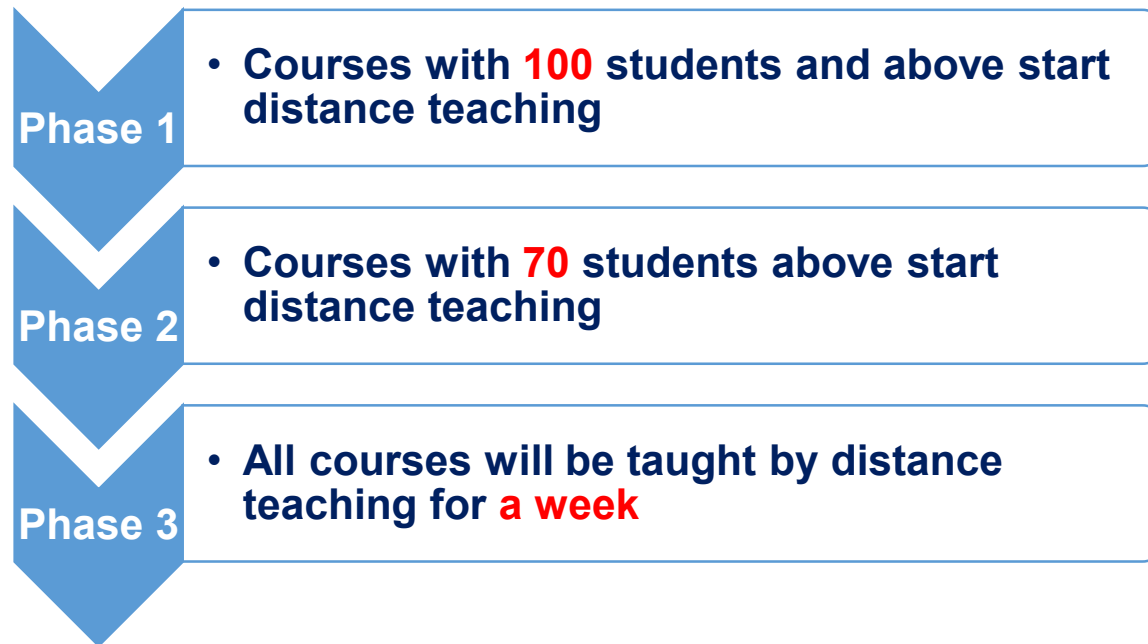
- Synchronous Teaching
- Digital Recording Distance Teaching
- Offer On-line Workshops for Guiding How to Do Distance Teaching
- Offer different Online Softwares for Distance Teaching

- Internship in Veterinary Hospital

- National University Entrance Exam

## 1-1. Distance Teaching

### Phases



### Regular Courses

- Distance Teaching (without or few students in classroom)

- Fill out the study log and health record.

### Experiment Courses / Internship Courses

- Courses are held as usual.

- Fill out the study log and health record.

1-2.  
Distance  
Teaching

Webinar



Workshop



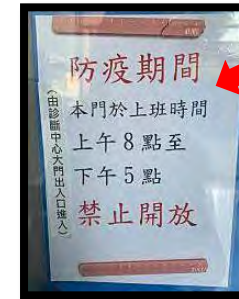
2.  
Internship  
Course

## Veterinary Medical Teaching Hospital

### Main Spirit

All vets should consistently provide professional knowledge to medical service and save lives

1. Follow control measures
2. Provide necessary sanitation supplies for epidemic prevention
3. Warning posted at the entrance
4. Pet owners with abnormal temperature or foreign travel history are forbidden to enter the hospital
5. All medical personnel must wear masks
6. Washing hands and using sanitizers or soap regularly

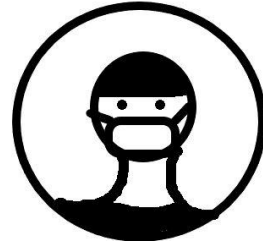




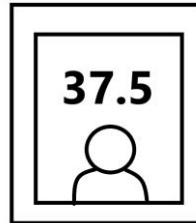
### 3. Exam

- **National University  
Entrance Exam**

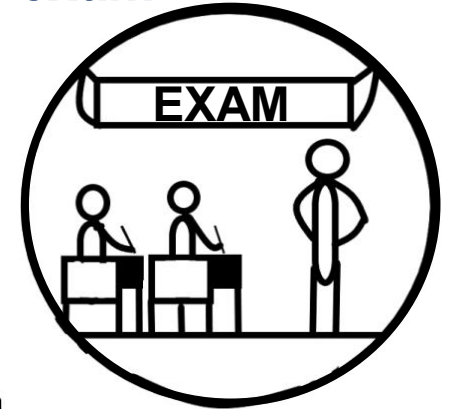
- **Wear Masks in Mandate**



- **Fever Screening Systems**



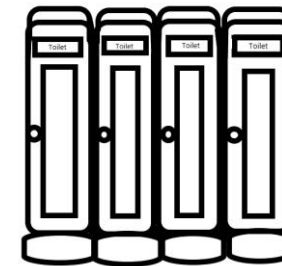
- **Examinees conducting self-health  
management must take the exam  
in the special area**



- **Resting Area**



- **Portable Toilet**

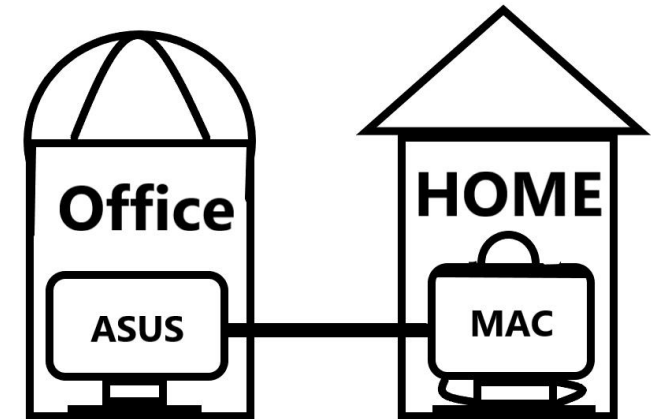


## 4. Administration

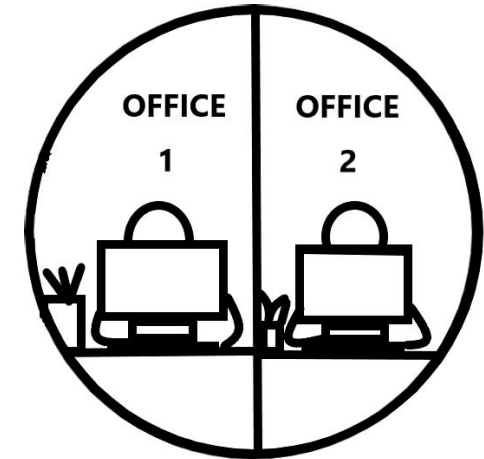
### Pre-emptive Actions Taken Due to:

- Panshi fleet's new confirmed cases in April
- Ching Ming Holidays returning waves
- Returned students fly back to Taiwan increased dramatically

Work From Home



Remote Working



**\*Work from home / Remote working is thus applied**

5.  
Large-  
Scale  
Activities



*Students having online meetings with enterprises*



*President of NCHU,  
Dr. Fuh-Sheng Shieu and  
Mayor of Taichung City,  
Shioh-Yen Lu*

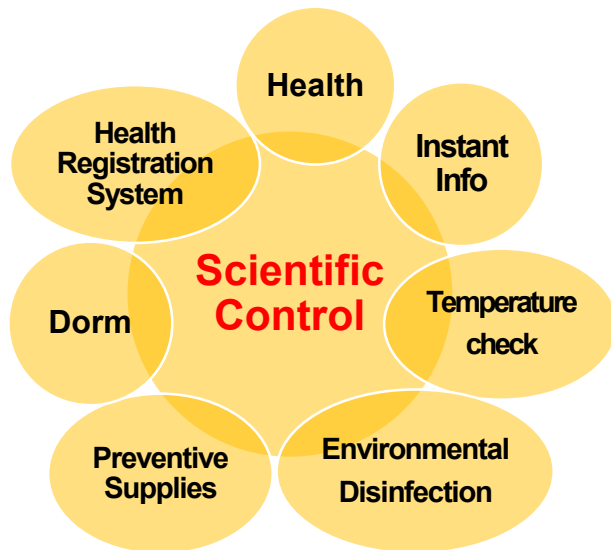


*Employment Expo 2020 at NCHU*

# Conclusions

➤ Decision made on no confirmed local cases for more than 3 weeks

➤ Decision made by  
1. Seasonal Factor (Christmas & New Year)  
2. Community Mobility Risk (Taoyuan Hospital cluster infection)  
3. International Spread of Covid-19 Pandemic



## ♥ Acknowledgement ♥

- **Chair Professor Jyh-Horng Chou, Vice President of National Chung Hsing University**
- **Distinguished Professor Chao-Chin Chang, Graduate Institute of Microbiology and Public Health**
- **Distinguished Professor Chia-Lin Chang, Department of Applied Economics**
- **NCHU Emergency Response Team**
- **Office of International Affairs**
- **Office of Academic Affairs**
- **Office of Student Affairs**
- **Office of General Affairs**
- **Computer and Information Network Center**
- **Office of Secretariat**



國立中興大學  
NATIONAL  
CHUNG HSING UNIVERSITY

# THANK YOU



2021/03/17

**President Dr. Fuh-Sheng Shieu was invited to present at the FICHET conference “2021 Taiwan-Australia Higher Education Network Forum”**

This PPT is made by

Distinguished Professor Chia-Lin Chang, Vice President for International Affairs, NCHU

Distinguished Professor Chao-Chin Chang, Graduate Institute of Microbiology and Public Health, NCHU

Meng-Chen Yang, Chun-Han Shih and Ching-Yang Siang, Office of International Affairs, NCHU