Explanatory Notes for the completion of the Hazard Warning Registration Form:

General guidelines

1. The Hazard Warning Placards are to be posted on all laboratory doors including ones without any hazardous materials or operations.

2. For the areas without hazards, the placard should state “NO SPECIAL HAZARDS” (e.g. the computer labs).

3. The placards are also recommended to be posted on doors to store areas that hold hazardous materials or operations (such as the swimming pool plant room).

Guidance notes for completing the Form

1. “Number of Signs Required” refers to the number of placards to be posted. That means you will require two if your room has two different doors.

2. The placards should not indicate any hazard which is not present in the room. Any changes in the hazard status of a room should be reported to the Campus Safety Team, Estates Office promptly so that the placards can be updated to reflect the current state of affairs within the room.

3. Telephone numbers listed on the placards should be for emergency contacts. The “Emergency Contact Person 1 and 2” are persons who are able to provide current information on operation within the rooms.

4. Only the office telephone number will be posted on the placard. “Home Phones” and “Other means of contact” will not be posted or otherwise disclosed. These will be kept in the Campus Safety Team for emergency contact purposes only. You have the right to access to, and/or correction of your personal data. All personal data access requests should be addressed in writing to the Campus Safety Team.

5. The person who completes this Form should inform all contact person(s) provided in this Form the purpose and details to be put in this Form, consent should be obtained from the person(s) prior to submission.

Registration for Hazard Warning Placard

Room No.	Designation①	Department	No. of Signs Required②

Person in Charge	
Name/Post	
Contact Phone(s)	
Home Phone(s)③	
Pager, other means of contact③	

Emergency Contact 1	
Name/Post	
Contact Phone(s)	
Home Phone(s)③	
Pager, other means of contact③	

Emergency Contact 2	
Name/Post	
Contact Phone(s)	
Home Phone(s)③	
Pager, other means of contact③	

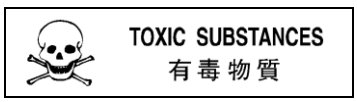
① Name of the room, e.g. research lab, hot lab, teaching lab etc.

② There should be one sign at each entrance.

③ For emergency contact only, will not be posted or otherwise disclosed.

Types of Hazard Warnings

☐		Potential hazard in the form of unsealed radioisotopes and/or possibly contaminated equipment/objects in this area.
☐		Irradiating apparatus capable of producing x-rays is present in this area.
☐		Class III or Class IV Laser present in this area.
☐		Machines capable of producing an exposure to magnetic field, radiofrequencies and microwave radiation exceeding 1/2 the Threshold Limit Value TLV.

<table>
<tr><td>☐</td><td> 
</td><td rowspan="2">Radiofrequency/Microwave Threshold Limit Values (TLVs)
<table>
<tr><th>Frequency</th><th></th><th></th><th>Power Density (mW/cm^2)</th><th>Electric Field Strength Squared (V^2/m^2)</th><th>Magnetic Field Strength Squared (A^2/m^2)</th></tr>
<tr><td>10 kHz</td><td>to</td><td>3 MHz</td><td>100</td><td>377,000</td><td>2.65</td></tr>
<tr><td>3 MHz</td><td>to</td><td>30 MHz</td><td>$900/f$*</td><td>$3770 \times 900/f^2$</td><td>$900(37.7 \times f^2)$</td></tr>
<tr><td>30 MHz</td><td>to</td><td>100 MHz</td><td>1</td><td>3770</td><td>0.027</td></tr>
<tr><td>100 MHz</td><td>to</td><td>1 GHz</td><td>$f/100$</td><td>$3770 \times f/100$</td><td>$f/37.7 \times 100$</td></tr>
<tr><td>1 GHz</td><td>to</td><td>300GHz</td><td>10</td><td>37,700</td><td>0.265</td></tr>
</table>
* f = frequency in MHz</td></tr>
<tr><td>☐</td><td> 
</td></tr>
<tr><td>☐</td><td> 
</td><td>> 600 V AC or 1.0 kV DC, or especially hazardous situation such as exposed conductors.</td></tr>
<tr><td>☐</td><td> 
</td><td>Presence of ultraviolet source in the spectral region between 180 and 400nm which is capable of emitting UV radiation of an Effective irradiance* exceeding 0.1 W /cm2. (1/2 the permissible exposure for 8 hr.) This includes arc, vapor and gas discharge, incandescent and fluorescent lamps but excludes lasers.
* Effective irradiance = Total irradiace weighted against the peak of the spectral effectiveness curve (270nm).</td></tr>
<tr><td>☐</td><td> 
</td><td>Dangerous high pressure system. E.g. pressure vessels, receiver, high pressure gas line, especially when fragile apparatus is involved.</td></tr>
<tr><td>☐</td><td> 
</td><td>Hazard of implosion due to fracture of high vacuum vessel.</td></tr>
<tr><td>☐</td><td> 
</td><td>Biological organisms/agents which present a hazard to human health or the environment.</td></tr>
<tr><td>☐</td><td> 
</td><td>Suspect or confirmed human carcinogen stored/used in this area.</td></tr>
<tr><td>☐</td><td> 
</td><td>Animal holding or animal experiment area.</td></tr>
<tr><td>☐</td><td> 
</td><td>Large quantity of toxic substance stored/used in this area.</td></tr>
<tr><td>☐</td><td> 
</td><td>Toxic gases stored, used or being generated in this area.</td></tr>
<tr><td>☐</td><td> 
</td><td>Strong oxidizing material stored or used in this area.</td></tr>
</table>

☐	 EXPLOSIVE MATERIAL 爆炸性物品	Explosive or shock-sensitive material stored or used in this area.
☐	 FLAMMABLE MATERIAL 易燃物品	Flammable material stored or used in this area.
☐	 CORROSIVE MATERIAL 腐蝕性物質	Corrosives (materials that may cause severe damage on contact with living tissues) stored or used in this area.
☐	 COMPRESSED GASES 壓縮氣體	Compressed gases stored or used in this area.
☐	NO SPECIAL HAZARDS	Rooms without hazards.

Control Measures

☐	 NO UNAUTHORIZED ENTRY 非請勿進	☐	 EAR PROTECTION REQUIRED 佩帶護耳罩
☐	 DOSIMETER REQUIRED 必需佩帶劑量計	☐	 RESPIRATOR REQUIRED 佩帶呼吸器
☐	 FACE SHIELD REQUIRED 佩帶護面罩	☐	 WEAR SAFETY GLASSES 佩帶護目鏡

Name of Applicant:	Date: