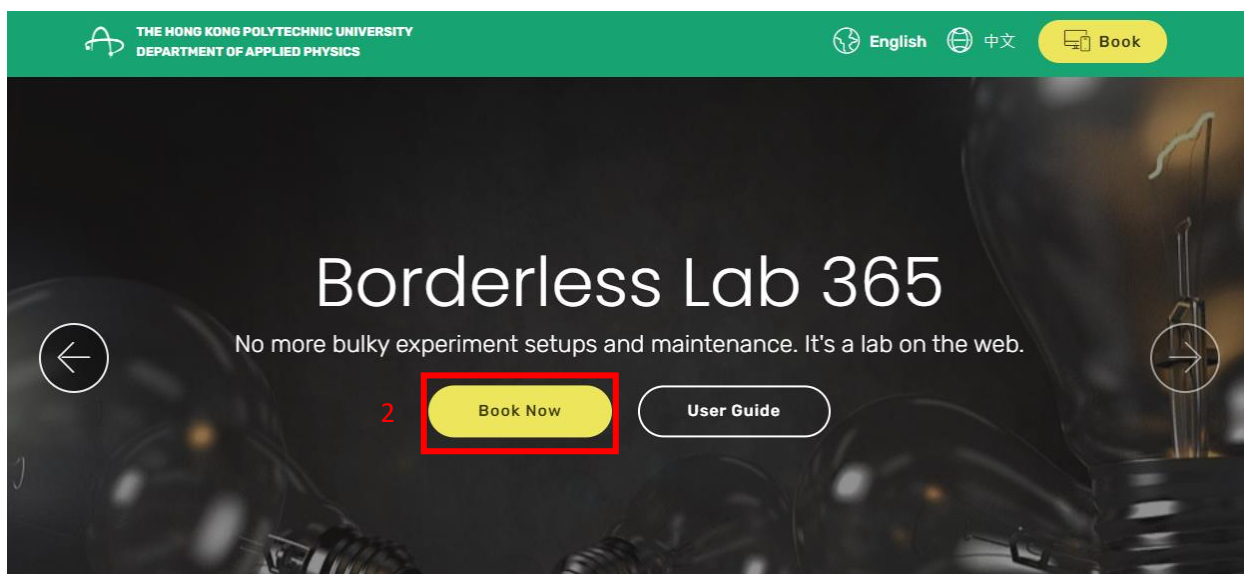
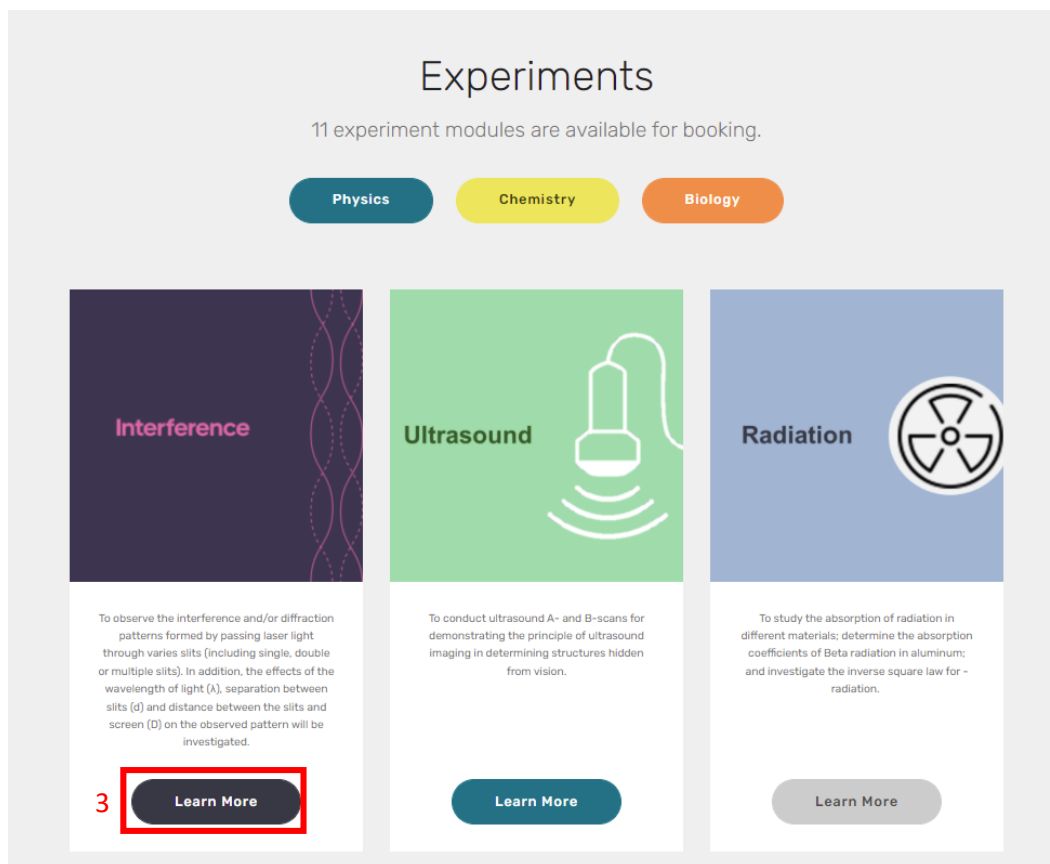


Borderless Lab 365 – Booking System

1. Go to <https://stem-ap.polyu.edu.hk/remotelab/>
2. Click “Book Now”



3. Choose your experiment and click “Learn More”



4. Please complete a pre-test before your first time experience on Borderless Lab 365 platform; and post-test after the laboratory session. You may download study guideline and scroll down for video demonstration if any

5. Click “Book Now”

INTERFERENCE

To observe the interference patterns formed by laser light passing through slits (single, double or multiple slits). In addition, the effect of the wavelength of light on the interference pattern will be examined.

Please complete a **pre-test** before your first time experience on Borderless Lab 365 platform; and **post-test** after the laboratory session.

Click below for the study guideline and scroll down for video demonstration.

BOOK NOW

6. Enter your Username and Password

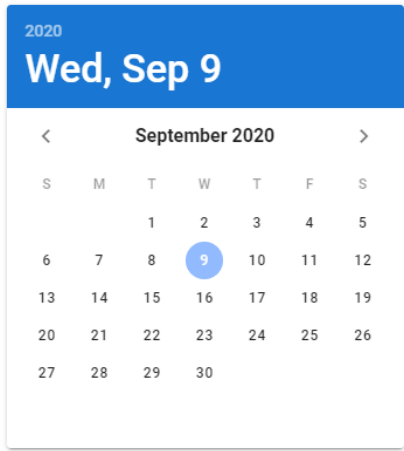
Login

Username

Password (6+ characters)

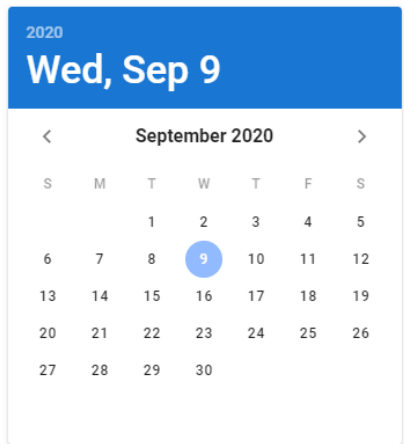
LOGIN

7. Select the preferred time slot and click “Book”



From	To	Room	Action
15:00	15:55	Room 1	7 BOOK
16:00	16:55	Room 1	BOOK
17:00	17:55	Room 1	BOOK
18:00	18:55	Room 1	BOOK
19:00	19:55	Room 1	BOOK
20:00	20:55	Room 1	BOOK
21:00	21:55	Room 1	BOOK
22:00	22:55	Room 1	BOOK
23:00	23:55	Room 1	BOOK

8. Login the website in your own section and click “ENTER LAB” to start



From	To	Room	Action
15:00	15:55	Room 1	8 ENTER LAB
16:00	16:55	Room 1	BOOK
17:00	17:55	Room 1	BOOK
18:00	18:55	Room 1	BOOK
19:00	19:55	Room 1	BOOK
20:00	20:55	Room 1	BOOK
21:00	21:55	Room 1	BOOK
22:00	22:55	Room 1	BOOK
23:00	23:55	Room 1	BOOK

9. Follow the lab manual to do the experiment and click “logout” after finish the section

Borderless Lab 365

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Room 1

Lab Manual

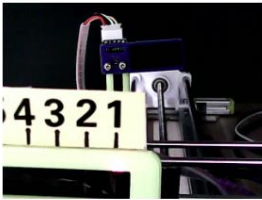

Equipment Setup

7 MINS LEFT

FEEDBACK

LOGOUT

0114.1

Controls

Laser Status
☒ Red ☐ Green

Slit Position
LEFT RIGHT

Step Size
☐ Small ☒ Large

Distance D = 225mm
INCREASE DECREASE

Laser Power
0

MEASURE

Intensity (arbitrary unit)

Distance (mm)

Slit Number (From Right to Left)	1	2	3	4	5	6	7	8	9
Type	Single	Double	Double	Double	Double	Double	Triple	Quadruple	Quadruple
Width a/mm	0.04	0.04	0.04	0.04	0.08	0.08	0.04	0.04	0.04
Separation d/mm	0	0.5	0.25	0.125	0.5	0.25	0.5	0.125	0.125

10. You may enlarge the camera by pressing the camera. Refresh the browser if there are no camera is shown.

Borderless Lab 365

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Room 1

Lab Manual

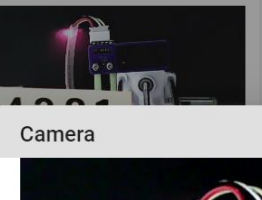

Equipment Setup

9 MINS LEFT

FEEDBACK

LOGOUT

0114.1

Controls

Laser Status
☒ Red ☐ Green

Slit Position
LEFT RIGHT

Step Size
☐ Small ☒ Large

Distance D = 225mm
INCREASE DECREASE

Laser Power
32


MEASURE

Intensity (arbitrary unit)

Distance (mm)

Slit Number (From Right to Left)	1	2	3	4	5	6	7	8	9
Type	Single	Double	Double	Double	Double	Double	Triple	Quadruple	Quadruple
Width a/mm	0.04	0.04	0.04	0.04	0.08	0.08	0.04	0.04	0.04
Separation d/mm	0	0.5	0.25	0.125	0.5	0.25	0.5	0.125	0.125

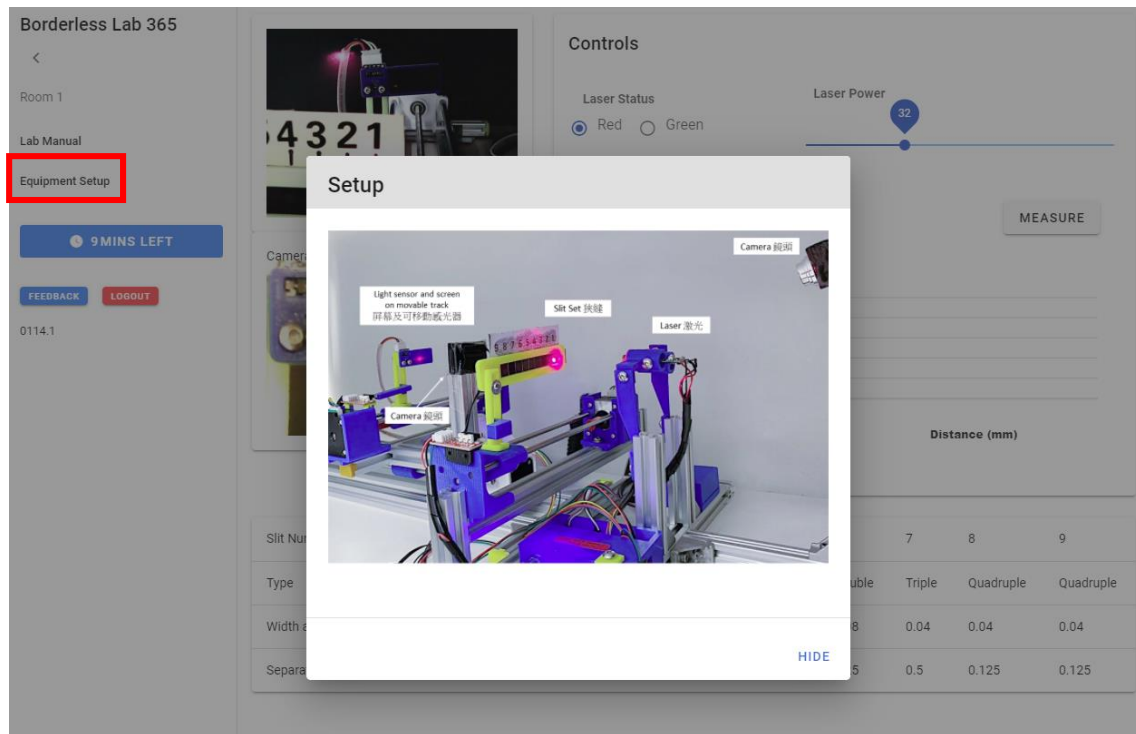
Camera



REBOOT CAMERA

HIDE

11. The whole setup is shown when you click the “Experimental Setup”.



12. For inquiries, please contact Miss Kathy Wong via klaiwong@polyu.edu.hk or sending feedback to the team.

