



1.Clinical Skill Center

To cultivate students' abilities in clinical practices, our Department has established the "Clinical Skill Center" on the fourth floor of the Science and Technology Building. The Center was completed and began its operations in 2013 in compliance with the requirements for holding Objective Structured Clinical Examinations (OSCEs) to provide venues for teaching activities and the competence assessment of clinical skills. The site plans adopt a multifunctional design and include two professional lecture theaters (S401 and S402), two discussion rooms (S404 and S406), 16 consulting compartments (S405), and a standard patient discussion room (S407).

(1) Two professional lecture theaters (S401 and S402)



S401

- i. For teaching activities of various nursing specialties; it offers synchronized live streaming of teaching activities at S301 through real-time remote access.
- ii. For setup of the OSCE registration information desk



S402

- i. For teaching activities of various nursing specialties
- ii. To carry out the satisfaction questionnaire survey of students after the OSCE examinations

(2) Two discussion rooms (S404 and S406)



S404

- i. For teaching discussions
 - Waiting areas for the examinees before taking the OSCE examinations
- S406



S406

- i. For teaching discussions
- ii. Administration center for the OSCE examinations and examiners' lounge (installed with screens for real-time monitoring of 16 examination rooms)

(3) Clinical classroom (S405)

- i. For teaching activities of various nursing specialties: 16 consulting compartments are set up according to real hospital rooms and equipped with electric beds, bedside tables, cubicle curtains, oxygen supply system, suction device, and hot water connection in compliance with the requirements of clinical practices and scenario simulations.
- ii. OSCE examination room: when holding the OSCE examinations, central management will activate the “all-control surveillance video-audio recording system” to realize functions including time management, screen projection of test questions, broadcasting reminders, synchronized video-audio playback, etc.



(4) Standard patient discussion room (S407)



- i. Teaching discussion room
- ii. The OSCE standard patient lounge (providing facilities including bathrooms and a space for standard patients to discuss and rehearse scenarios or change costumes)

2.Nursing Demonstration Classroom (S408)

The classroom serves multiple purposes, including learning, student technical practice, and pre-practicum skill assessment. Based on the philosophy of clinical teaching and designed according to the professional inpatient ward, the demonstration classroom was renovated and completed during the summer of 2018. It features central air-conditioning and fire-resistant noise-absorbing flooring and has a total area of 281 square meters, subdivided into the internal medicine ward and the surgical ward, including beds for different departments, a nursing station, and a preparation room.



The area has two zones: Zone A and Zone B.



Zone A

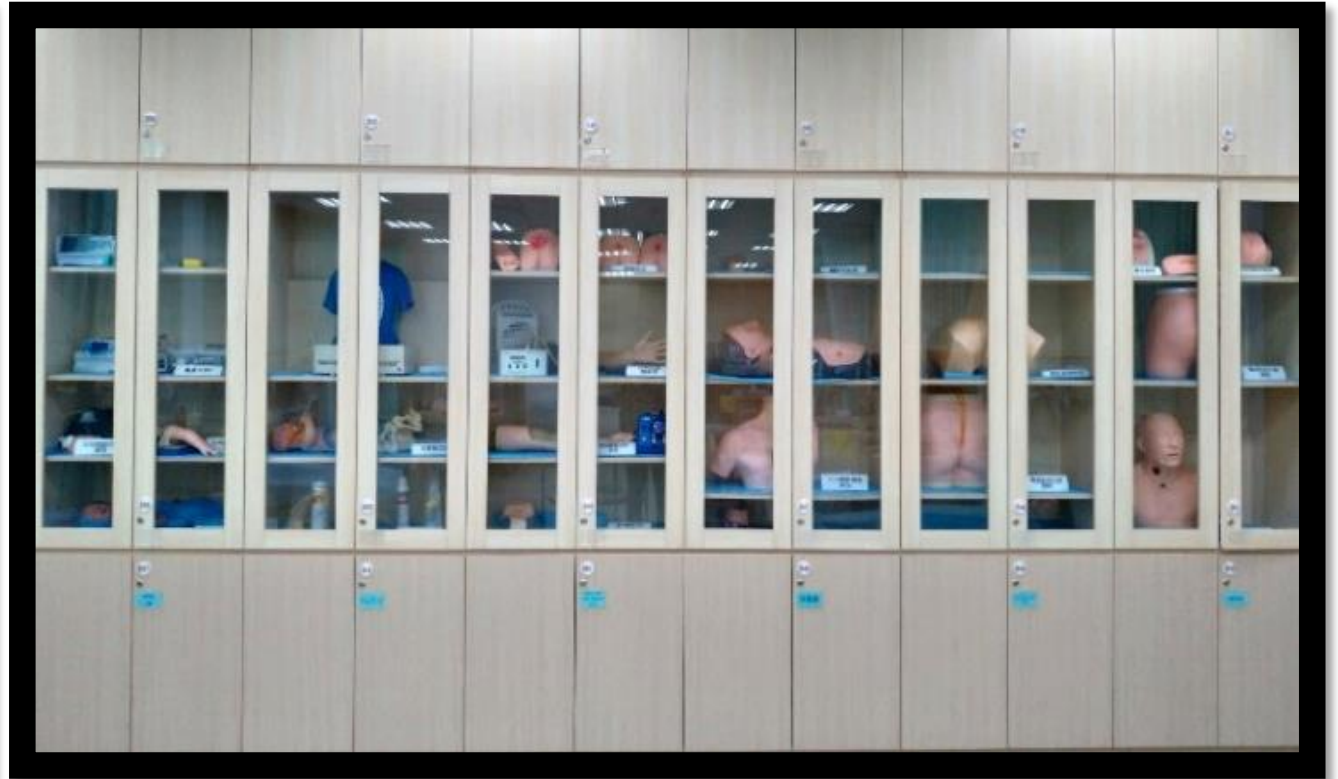
Zone A features 12 internal medicine and surgical department beds and 8 basic nursing supply cabinets, which are only used by the class of basic nursing specialty to practice during the practical courses. It adopts one bed per cabinet rule (containing basic supplies for technical operations) for students to utilize during practices.

Zone B

Zone B is arranged with 2 beds for emergency rescue, 4 for other departments, and 2 pediatrics beds.

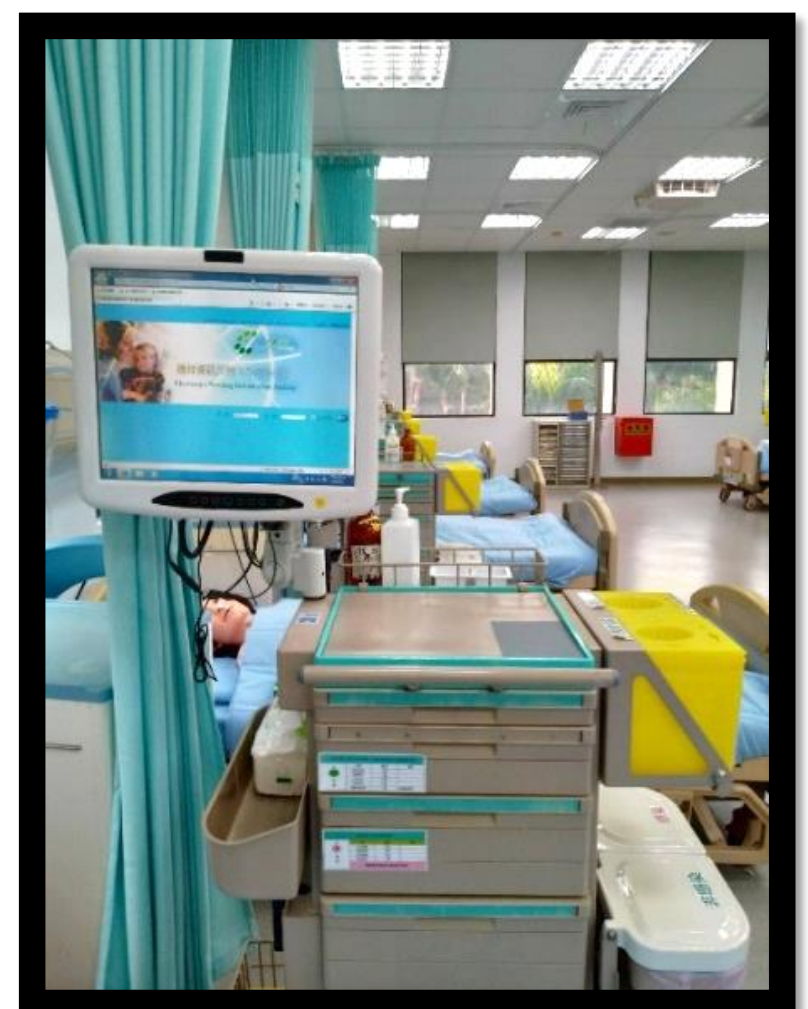


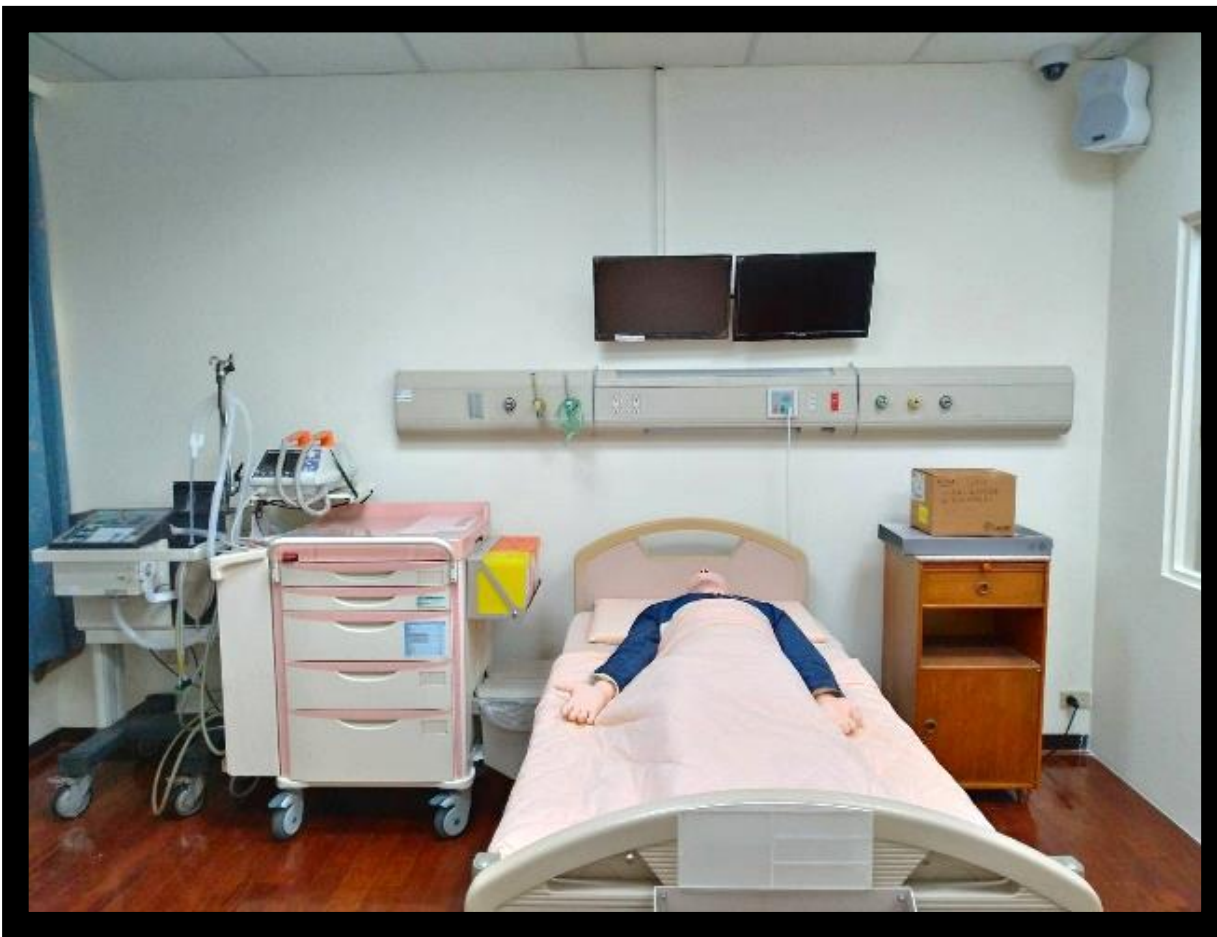
Hardware facility and equipment



Simulating a clinical environment by mimicking real hospital rooms, Zone B is equipped with:

- (1) Electric beds, bedside tables, cubicle curtains, care chairs, wash basins
- (2) Central oxygen supply system, negative pressure suction system, bed lights, night lights, call button
- (3) High-fidelity simulation patients, advanced cardiovascular life support training model (Kelly), simulated child patient, E-nursing cart, patient monitor, E-trolley (including defibrillator)
- (4) Teaching models for various subjects





3. Critical Condition Simulation Training Classroom (S301)

S301 is divided into two areas: Internal Area and External Area.

Internal Area

This area includes simulation intensive care units, equipped with electric bed, advanced cardiovascular life support training model (Kelly), vital signs screen display, defibrillator, and respirator. It is also installed with two video cameras, which are connected to the S401 classroom to provide live streaming or video recording playbacks, enabling scenario-simulation teaching through real-time viewing of practice images from S301, thus providing learning opportunities to more students.

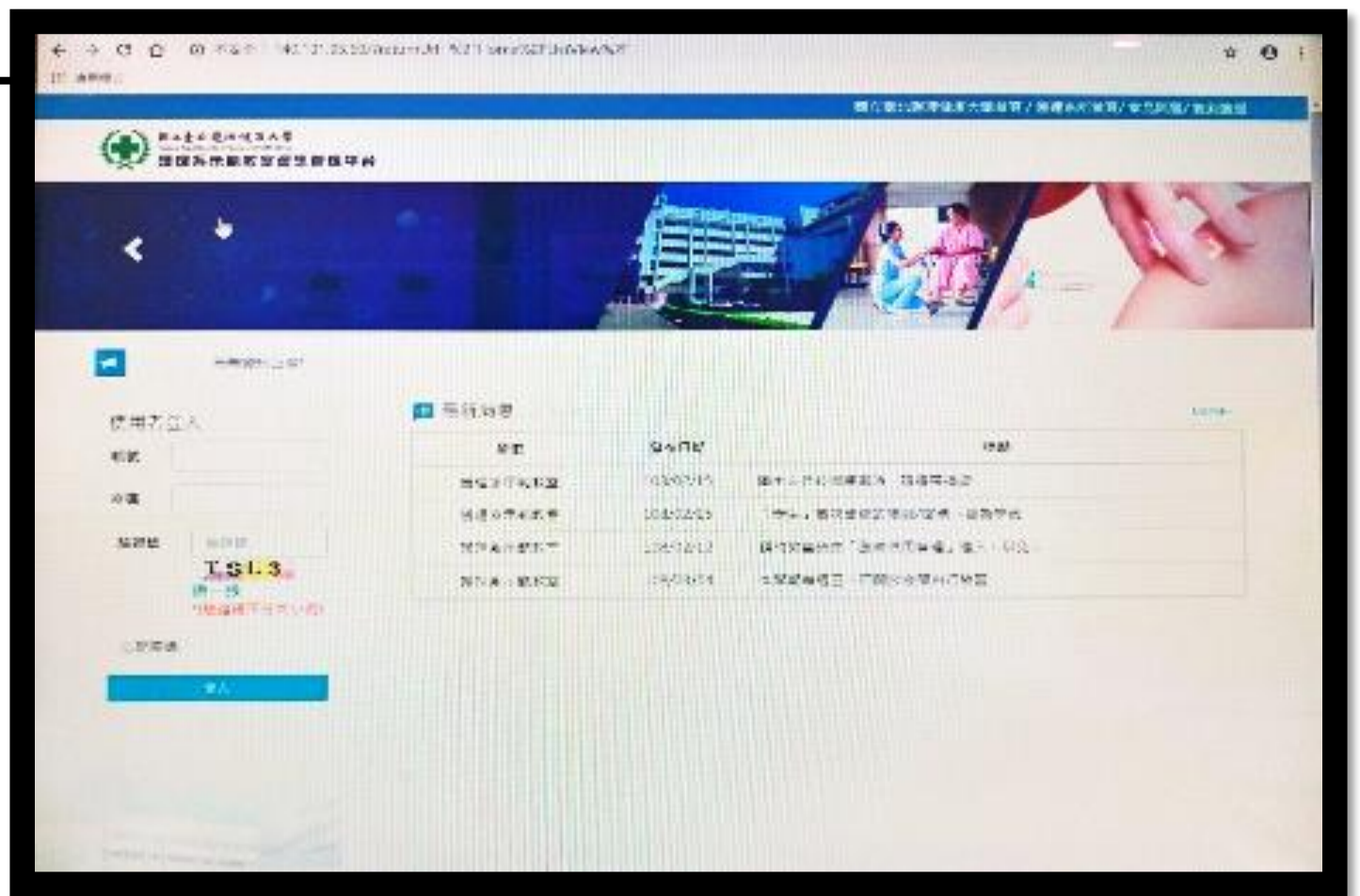
External Area

This area is designated for group teaching purposes. Apart from providing real-time viewing of practice images from S301, it also serves as a multi-purpose space for teachers to communicate and discuss teaching-related issues.



4. Information Management System

Through the information management system platform, teachers and students are given a clear idea about the availability status of classroom spaces, stock level, and availability of teaching equipment and supply items, while the background manager may adjust the supply items usage and apply statistical analysis to make relevant preparations in advance and refresh the supplies; in response to the aforementioned needs, the Department launched a new information management system in 2018 to facilitate a smoother operation of teaching activities. °



- (1) Classroom space and supply item booking management
- (2) Unplanned borrowing management (classroom, beds, supply items)
- (3) Supply item booking management for student practice
- (4) Bed training booking management for students
- (5) Background system management scheduling and statistics
- (6) Log-in website address: Department Homepage/Nursing Demonstration Classroom/(new) information management system



Clinical Skill Center Site Plan

<http://nursing.ntunhs.edu.tw/files/90-1011-161.php>