

## **Practice Course Floor Plan and Logistics**

### **Summary:**

The MedStar CVL Practice Course lasts 125 minutes and accommodates up to 8 learners. The proctor to learner ratio is 1:2. This guide lists necessary resources for 8 learners and 4 proctors.

The course includes the following components:

- Chest x-ray and central line kit familiarization
- Ultrasound
- Landmark-based subclavian insertion
- Ultrasound-guided internal jugular insertion

An educator toolkit on the course, which contains detailed information about course creation and course setup, is available by request from SiTEL.

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**Station details:**

***Ultrasound Station***

1. Demonstrate set-up and function of the ultrasound machine
2. Identify basic anatomy r/t each central line insertion site (IJ, Femoral)
3. Demonstrate proper positioning and visualization using ultra sound for IJ, Femoral vessels.

*Supplies needed for ultrasound station:*

1. 1 ultrasound machine, probe covers and gel
2. 1 standardized patient or task trainer
3. 1 bed or stretcher that goes into Trendelenburg position
4. Linen
5. Patient gown
6. Paper towels or towels
7. Germicide wipes

*Other options for functionality of ultrasound station:*

1. Use task trainer instead of standardized patient.
2. Use other colleagues as patients for practicing ultrasound

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***Chest X-Ray and Kit Familiarization Station***

*Central Line Kit Review and Procedure Preparation*

1. Review of pre-procedure protocol including consent, pause for the cause, and observer role.
2. Identify components of the central line kit and practice technical aspects of handling and utilizing this equipment for proper insertion of central line.
3. Identification of line placement via chest x-ray.

*Supplies for central line kit review station:*

1. Complete central line kits
2. Table
3. Appropriate paperwork
4. TV or projector with laptop for visualization of x-rays and associated PowerPoint training presentation

*Other options for functionality of central line kit station:*

1. Use task trainers to practice needle insertion technique.

### **Central Line Insertion Practice Station**

1. Apply information acquired in online modules and previous practice stations and practice central line insertion into internal jugular and subclavian vessels while verbalizing the differences between internal jugular and femoral insertion.

Each participant inserts 2 lines while their partner observes, then they switch.

#### *Supplies for central line insertion practice station*

1. Internal jugular and subclavian task trainers
2. Complete central line kits (1 per task trainer)
3. Central line cart
4. Hats
5. Gowns
6. Gloves
7. Masks
8. Ultrasound machine
9. Beds or stretchers
10. Sterile ultrasound probe covers
11. Hospital-specific observer checklists

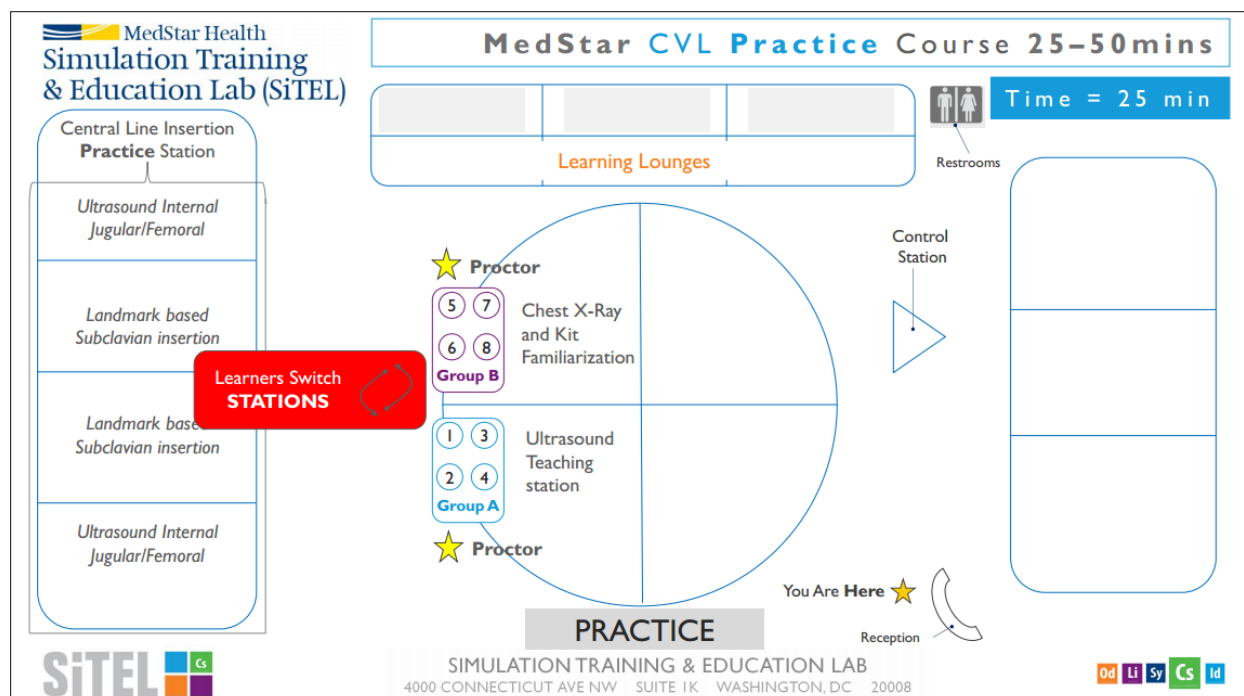
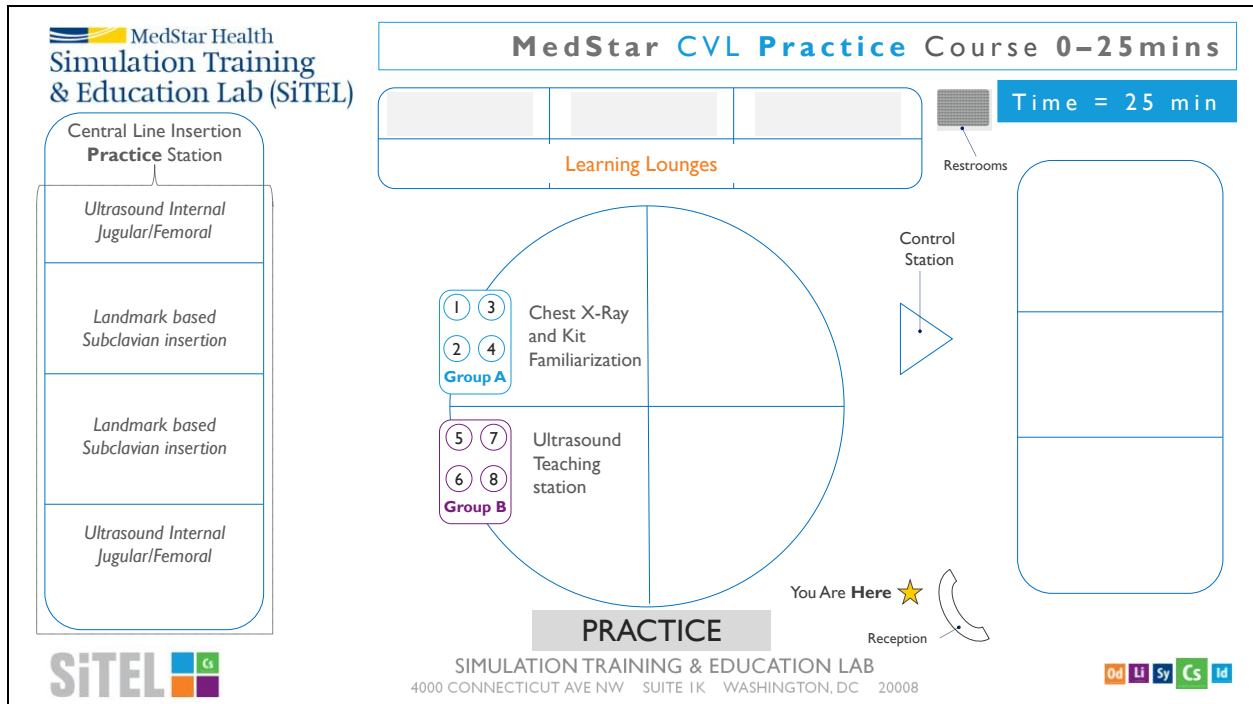
#### *Other options for Central Line Insertion Practice Station:*

1. Option A – Practice 2 insertion sites with full procedure gowning, gloving, draping and pre-procedural protocol done at one site.

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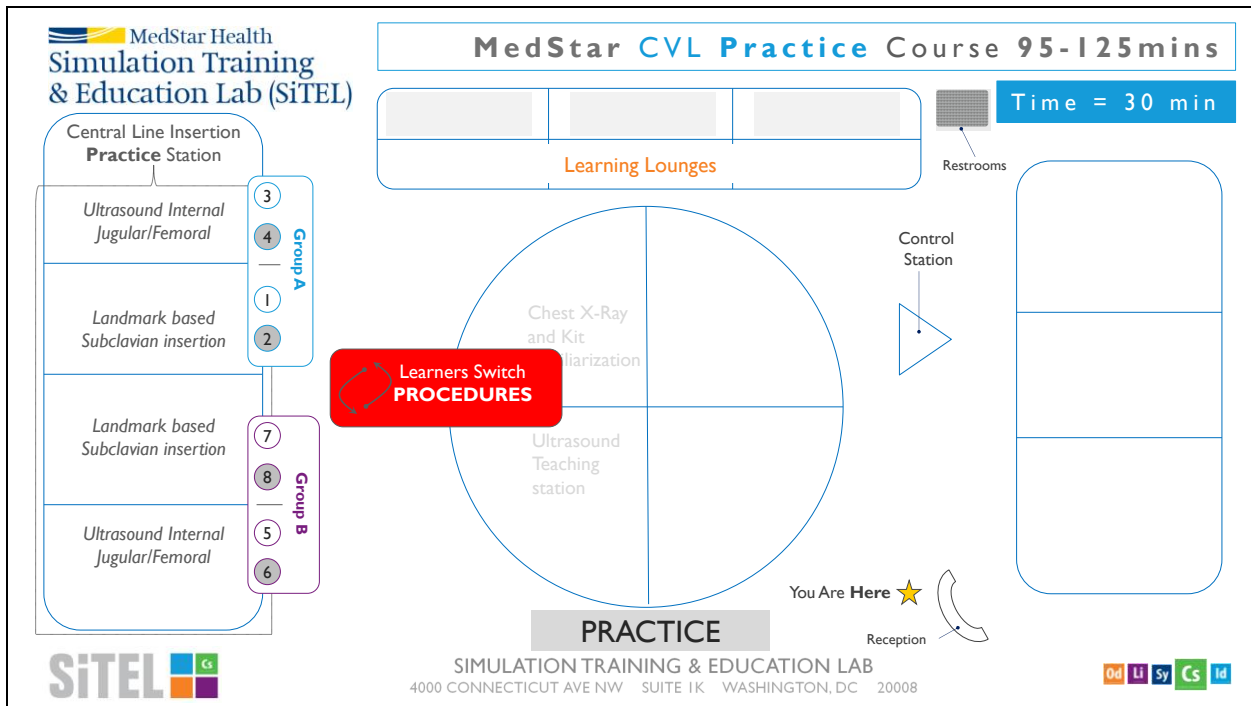
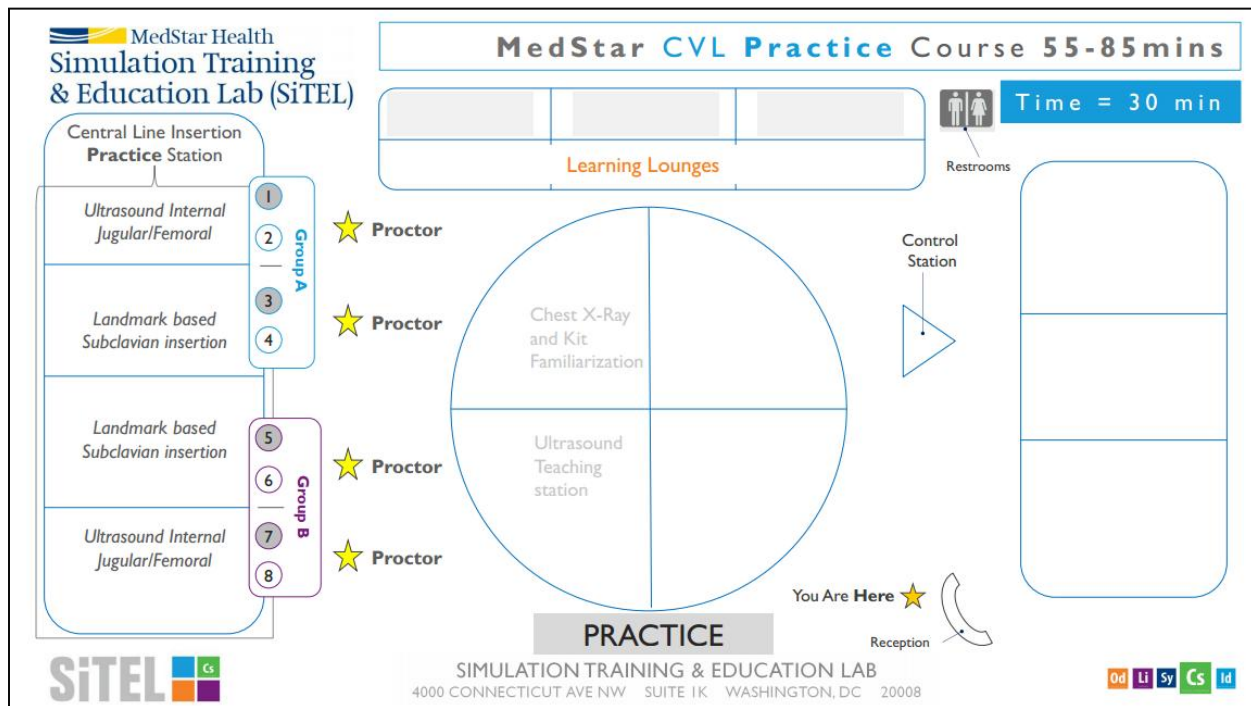
## Floor plan:

Learners begin by dividing into two groups and rotating through the chest x-ray/kit familiarization and ultrasound teaching stations.



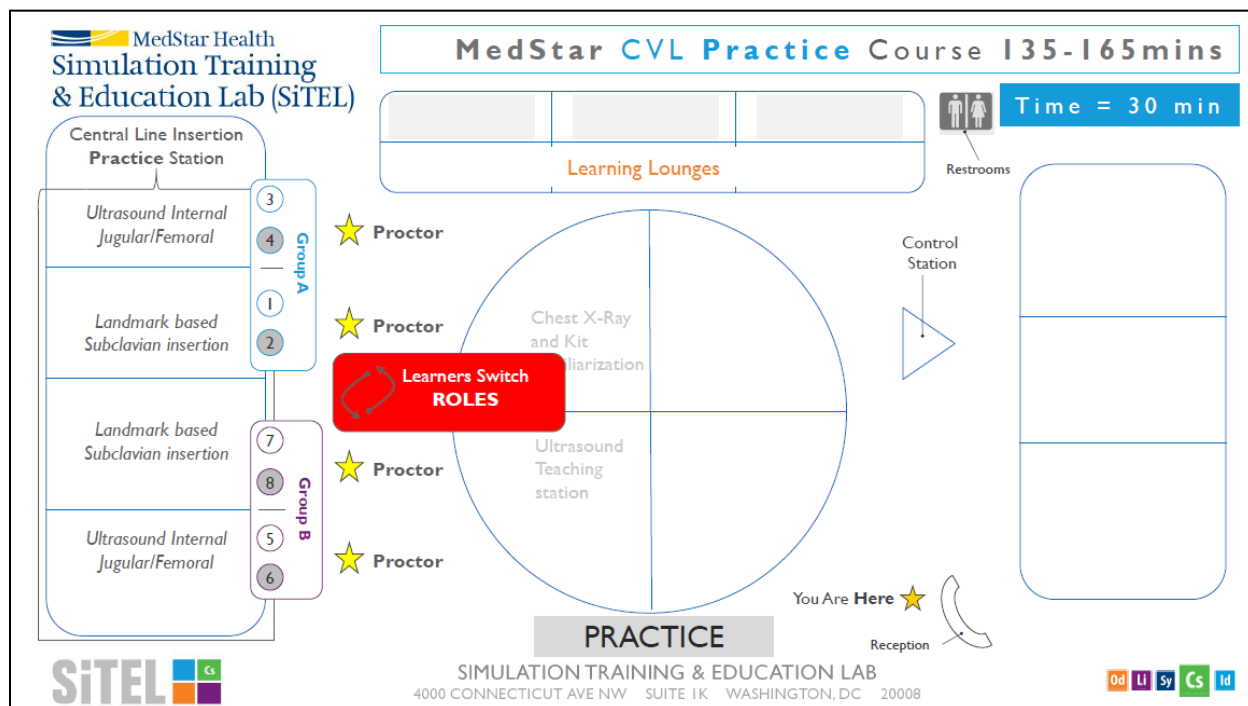
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Then, learners break up into pairs and one learner in each pair begins practicing an insertion.

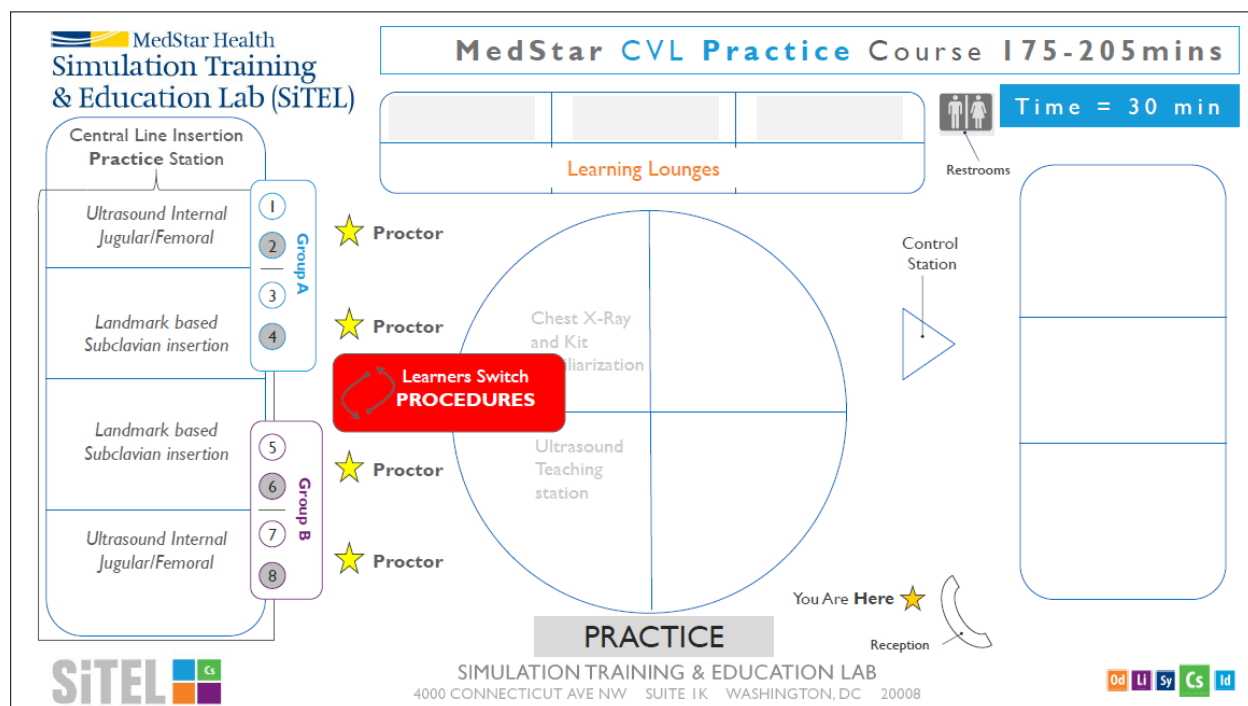


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Then, the learners switch roles.



Then, the learners again switch procedures and move to the other station.



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