

COURSE #1: BASIC SCENARIO DESIGN AND CREATION IN THE HPS6 SOFTWARE

Description: This six-hour course will provide participants the opportunity to program a scenario they have designed into the HPS6 software. Working in small groups that are facilitated by a METI faculty member, a scenario will be designed and scripted into the software. Use of the METI Education and Training computers will be utilized in this course.

Prerequisite: METI HPS, ECS, or iStan Basic Training Course

Objectives: Discusses the process, including the need for designing and documentation, in the creation of scenarios

Demonstrates the creation of scenarios in the HPS software

Methods: 30 minute presentation on the guidelines for designing scenarios
Small group activity of designing a scenario on paper
Small group activity of programming the scenario into the software

Maximum: 50 participants

COURSE #2: ADVANCED SCENARIO DESIGN AND CREATION IN THE HPS6 SOFTWARE

Description: This six-hour course will provide participants the opportunity to program complex scenarios they have designed into the HPS6 software. Working in small groups that are facilitated by a METI faculty member, scenarios will be designed and scripted into the software. Use of the customers Instructor Workstation or Remote Control laptop or the METI Education and Training computers will be utilized in this course.

Prerequisite: METI HPS, ECS, or iStan Basic and Advanced Training Courses

Objectives: Discusses the process, including the need for designing and documentation, in the creation of scenarios

Demonstrates the creation of scenarios in the HPS software

Demonstrates the use of advanced programming techniques in the HPS software

Methods: 30 minute presentation on the guidelines for designing scenarios
60 minute demonstration on advanced programming techniques in the HPS software
Small group activity of designing a scenario on paper
Small group activity of programming the scenario into the software

Maximum: 30 participants

COURSE #3: ART OF DEBRIEFING

Description: This three-hour course will provide participants the requisite theoretical background in the art of debriefing. Practical suggestions and guidelines for debriefing will be presented. Participants will also view a simulation that will serve as an example to then be debriefed by the course leaders.

Prerequisite: None

Objectives: Discusses rationale behind including debriefing as part of simulation exercise

Discusses techniques for facilitating a debriefing exercise

Identifies what should and should not occur during a debriefing exercise

Methods: 60 minute presentation on the art of debriefing
30 minute participation in a simulation
40 minute debriefing of simulation exercise
20 minute open discussion

Maximum: 50 participants

COURSE #4: FACILITATING LEARNING WITH SIMULATION FOR NURSING STUDENTS

Description: This three-hour course will provide participants with suggested guidelines for facilitating learning with prelicensure nursing students. Lessons learned from unpublished research related to METI's work with the Program for Nursing Curriculum Integration (PNCI) would be presented. Participants will also be afforded the opportunity to role-play what they have learned in a simulated clinical experience.

Prerequisite: None

Objectives: Discuss the correlation between learning theory and teaching with simulation

Demonstrate how to facilitate a simulated clinical experience for nursing students

Identify methods to create suspension of disbelief

Discuss the importance of debriefing and demonstrate how to conduct a session

Methods: 60 minute presentation on facilitating learning with simulation
40 minute participation in a simulation
30 minute debriefing of simulation exercise
20 minute open discussion

Maximum: 50 participants

COURSE #5: ESSENTIALS OF USING THE ECS

Description: This six-hour course will provide participants the absolute essentials of using the ECS. It is intended for new users or those requiring a review. Set-up, power on and off procedures, use of fluid features, and use of the METI preconfigured scenarios. In addition the various Learning products will be covered.

Prerequisite: None

Objectives: Identifies system components

Demonstrates the appropriate power on and power off sequence of the simulator components

Explains the differences between the Instructor Workstation and Remote Control to control the HPS software

Utilizes the Instructor Workstation and Remote Control to control the HPS software

Identifies the location of the Event, Drug and Physiological Logs including saving/printing functions

Demonstrates the set-up necessary for use of the GU, IV Arm, Central IV Lines, Chest Tube, Pericardiocentesis, Defibrillation and Pacing features with the mannequin including operation of the software components as necessary

Demonstrates operation of the GU, IV Arm, Central IV Lines, Chest Tube, Pericardiocentesis, Defibrillation and Pacing features with the mannequin including operation of the software components as necessary

Describes generalized maintenance practices of the system

Discusses basic troubleshooting techniques

Identifies location of the Preconfigured Patient Library

Identifies the location of the most commonly used physiological parameters

Outlines the steps necessary to initiate and use the Preconfigured Scenario Library

Discusses use of optional CO₂ in the ECS

Methods: Demonstration with the ECS
Projection of HPS6 Software
Hands on practice with the ECS

Maximum: 20 participants

COURSE #6: ESSENTIALS OF USING THE HPS

Description: This six-hour course will provide participants the absolute essentials of using the HPS. It is intended for new users or those requiring a review. Set-up, power on and off procedures, use of fluid features, and use of the METI preconfigured scenarios. In addition various Learning products will be covered.

Prerequisite: None

Objectives: Identifies system components

Demonstrates the appropriate power on and power off sequence of the simulator components

Explains the differences between the Instructor Workstation and Remote Control to control the HPS software

Utilizes the Instructor Workstation and Remote Control to control the HPS software

Identifies the location of the Event, Drug and Physiological Logs including saving/printing functions

Demonstrates the set-up necessary for use of the GU, IV Arm, Central IV Lines, Chest Tube, Pericardiocentesis, Defibrillation and Pacing features with the mannequin including operation of the software components as necessary

Demonstrates operation of the GU, IV Arm, Central IV Lines, Chest Tube, Pericardiocentesis, Defibrillation and Pacing features with the mannequin including operation of the software components as necessary

Demonstrates the necessary set-up for use of the Drug Recognition feature of the HPS

Demonstrates operation of the Drug Recognition feature of the HPS

Describes generalized maintenance practices of the system

Discusses basic troubleshooting techniques

Identifies location of the Preconfigured Patient Library

Identifies the location of the most commonly used physiological parameters

Outlines the steps necessary to initiate and use the Preconfigured Scenario Library

Methods: Demonstration with the HPS
Projection of HPS6 Software
Hands on practice with the HPS

Maximum: 20 participants

COURSE #7: ESSENTIALS OF USING iStan

Description: This six-hour course will provide participants the absolute essentials of using iStan. It is intended for new users or those requiring a review. Set-up, power on and off procedures, use of fluid features, and use of the METI preconfigured scenarios. In addition various Learning products, will be covered.

Prerequisite: None

Objectives: Identifies system components

Demonstrates the appropriate power on and power off sequence of the simulator components

Explains how the Instructor Workstation is used to control the HPS software

Utilizes the Instructor Workstation to control the HPS software

Identifies the location of the Event, Drug and Physiological Logs including saving/printing functions

Demonstrates the set-up necessary for use of the GU, IV Arm, Central IV Lines, Chest Tube, Bleeding, Secretion, and Defibrillation and Pacing features with the mannequin including operation of the software components as necessary

Demonstrates operation of the GU, IV Arm, Central IV Lines, Chest Tube, Bleeding, Secretion, and Defibrillation and Pacing features with the mannequin including operation of the software components as necessary

Describes generalized maintenance practices of the system

Discusses basic troubleshooting techniques

Identifies location of the Preconfigured Patient Library

Identifies the location of the most commonly used physiological parameters

Outlines the steps necessary to initiate and use the Preconfigured Scenario Library

Discusses use of optional CO₂ in iStan

Methods: Demonstration with iStan
Projection of HPS6 Software
Hands on practice with iStan

Maximum: 20 participants

COURSE #8: NOW THAT I HAVE MY SIMULATOR WHAT DO I DO?
Curriculum Development

Description: This six-hour sequential course is comprised of a combination of lectures, small group breakouts, group presentation and group debriefing that is designed to walk the participant through the development, execution and evaluation of a given curriculum. The purpose of this course is to explore a systematic approach to assessment, design, development, implementation and evaluation of curriculum. The components of the systematic approach, facilitator, learner, environment, and learning materials all supply feedback in the way of inputs and outputs to reach a desired outcome, providing exceptional educational experiences to adult learners.

Prerequisite: None

Objectives: Define the various components of curriculum design
Build a curriculum from needs assessment to evaluation
Execute an educational intervention based on designed curriculum

Methods: Series of hands on small working groups

Maximum: 24 participants