



Basic Simulator Instructor Course

The NWI Basic Simulator Instructor Courses comprise each necessary knowledge element in producing competent professional instructors. This distinctive skill set allows our graduates to properly function and excel within each desired simulator instructional role. NWI professionals are selected individually for each course to be taught based upon their expertise in the specified course topic focus. Our niche-based instructional system allows us to effectively use our diverse training staff while ensuring that our clients receive the best possible product, making NWI a preferred provider for clients throughout the nuclear industry.



The purpose of this course is to refresh the abilities to help your instructors to become a solid simulator instructor. This is done by providing tools that can be used to dismantle any barriers that may exist between the instructor and the trainees. The instructional material covered includes:

- Roles of the Simulator Instructor
- Conducting the various types of simulator training
- Observation and evaluation
- Coaching and conducting facilitative critiques
- Use of the exercise guides.

The Course-length is about 2-3 weeks and has a custom-tailored student capacity framework. Specifically, the NWI Simulator Instructor course;

- Explains the role of the simulator instructor during the different phases of simulator training
- Identifies the different modes of simulator training including Initial license training, licensed operator retraining, examinations and other uses of the simulator
- Explains the purpose of an Exercise Guide and identifies the individual guide components and explains their use
- Describes the 5 stages of a simulator session and discuss their interrelationships
- Differentiates between training and evaluation in the simulator
- Explains the purpose and method of preparation, including technical preparation and planning
- Describes the functions, conduct and content of the pre-exercise brief
- Explains the observation process in the simulator
- Demonstrates coaching as it applies during a simulator scenario and explains the coaching process and its application
- Explains the purpose of a critique and describes 3 basic critique structures and discuss their unique applications as well as the basic critique process. In addition, the BSIC shows how to facilitate a self-critique
- Describes the various methods of facilitating a self-critique and demonstrates the use of questioning techniques during the self-critique
- Identifies when demonstration training should be used and defines error free learning.
- Describes 3 methods of organizing material in a demonstration type lesson
- Discusses the roles of the simulator instructor during simulator evaluations and explains the process of conducting a simulator evaluation including observation, exam completions, and documentation.

The NWI BSIC includes a concentration on the 5 parts of a training session: (1) Preparation: Review and planning prior to the exercise, (2) Pre-brief: Provide initial conditions, turnover information, etc., (3) Sets the tone of the exercise (sets the learning environment), (4) Exercise: provides structured activity and identifies where coaching may be appropriate, (5) Critique: Review of operator performance. During training and evaluation, facilitation is the method of choice, but it may be necessary to using the telling mode for ILT classes or groups that refuse to objectively discuss their performance. Another item that is taught is "The List:" or the record of improvement items that are to be developed during the critique and used to ensure that improvements are made and not dropped between training sessions. The list is an NWI essential for ensuring critical overall performance improvement, instead of isolated improvements on select tasks.

A well run, facilitated critique motivates the crew and encourages learning. The list provides a structure for student learning resulting in a motivated crew with a list of items that they believe is in their best interest to learn. The rest is simply individual and crew team development. An important aspect of a simulator critique is its effectiveness. Effectiveness is measured by several criteria including;

- Were performance strengths/weaknesses identified and addressed?
- Were learning opportunities exploited to improve crew performance?
- Did the crew "buy into" improvement strategies?
- Did crew performance improve as a result? (Did behavior change?)
- Order of preference for critique styles:
- Shift Manager led facilitative critique.
- Instructor led facilitative critique.
- Instructor tells the crew.

If one method fails, fall back to the next method. The central issue is critique effectiveness, not style!

Ask your NWI professional about the BSIC warranty and student capacity requirements today!

