NETI-1 has several goals. Primarily, it is intended to give the participants information and hands-on practice in elements of effective teaching. It is also intended to provide new faculty with tips on getting their careers off to a good start and experienced faculty with instructional materials and methods that they can use in faculty development and new faculty mentoring programs on their own campuses. Participants will be given opportunities throughout the workshop to plan applications of those techniques in a course they teach.

Day 1: 8:30 am–4:30 pm

- Workshop preview and introductions
- Motivating students and student learning
- Writing learning objectives and using them to guide course planning, instructional design, and assessment of learning
- Active learning techniques: Ways to engage students that increase learning while minimizing student resistance, even in large classes
- Crisis clinic

Day 2: 8:30 am–4:30 pm

- Inclusive pedagogies
- Using inductive teaching methods (inquiry-based, problem-based learning, and project-based learning) to promote conceptual understanding
- Assessment of learning: Designing quantitative tests that are rigorous but fair. Assessing written and oral project reports efficiently, effectively, and fairly. Course grading.
- Breakout sessions
  - Getting your faculty career off to a good start
  - Promoting effective teaching on your home campus

Day 3: 8:30 am–3:00 pm

- Assessment (continued)
- Crisis clinics
- Final course planning exercise; Using workshop materials to redesign a more engaging and effective course
- Participant presentations
  - Wrap-up