LEARNING OUTCOMES

1. Identify the challenges and remedial measures associated with materials in nuclear energy systems by integrating the contents within each class into a complete understanding.

2. Describe and apply basic radiation damage, nuclear fuel performance, corrosion, and joining/welding concepts.

3. Design and conduct basic hands-on experiments in the areas of nuclear materials characterization.

4. Discuss scientifically and confidently about nuclear materials degradation issues with experts.