

NANO 703/703L
Lab: Individual TEM
Due: Following Lab Session

GOAL

This time is available for each student to gain hands-on experience with the TEM. The student should aim to become familiar with the main capabilities of the instrument and procedures for its use, including:

- Loading a sample in a holder;
- Inserting the holder in the column;
- Turning on the beam;
- Performing basic alignments;
- Acquiring images and diffraction patterns;
- Turning off the beam;
- Removing the holder from the column;
- Removing the sample from the holder.

REPORT

Provide a brief discussion of procedures used with some representative data.