Description
This basic hematology course on red blood cell (RBC) morphology addresses RBC production with sections on erythropoiesis, maturation, reticulocytes, and hemoglobin. The course includes a section on RBC morphology that addresses analyses, indices, and poikilocytes with images to aid learners in proper identification of cell changes. Scenarios are provided to encourage clinical laboratory learning in a virtual world.

Audience
This basic level program is designed for laboratory practitioners from hospitals, clinics, independent labs and physician office laboratories, including: intermediate level hematology technicians and technologists who need to review, new staff assigned to hematology, and laboratorians re-entering the laboratory field.

Objectives
At the conclusion of this program, the participant will be able to:
- Discuss function of bone marrow in erythocyte production.
- List erythrocyte maturation sequence and identify the morphologic characteristics of each stage.
- Explain the role of the reticulocyte count in assessing erythrocyte production.
- Explain the function of hemoglobin.
- Explain the correlation of the RBC indices and morphology.
- Identify changes in RBC indices and morphology.
- Identify RBC inclusions and associate them with probable causes.

Course Modules
This course is divided into three main modules:
- Red Blood Cell Production: Approximately 45 minutes
- Red Cell Morphology: Approximately 30 minutes
- Scenarios: Approximately 45 minutes

Subject Matter Experts
Melissa Von Hatten, MS, MT(ASCP)
Association of Public Health Laboratories (APHL)
National Laboratory Training Network (NLTN)

Karen Breckenridge, MBA, MT(ASCP)
Association of Public Health Laboratories (APHL)
National Laboratory Training Network (NLTN)

Continuing Education
The Association of Public Health Laboratories (APHL) is approved as a provider of continuing education programs in the clinical laboratory sciences by the ASCLS P.A.C.E.® Program. Participants who successfully complete this program will be awarded 2.0 contact hours.

Format
This course is available on CD.

Registration
Registration fee: $49.00
Register Online at www.nltn.org/368-10.htm

- If you have difficulty with the online registration process, please email registrar@aphl.org or call 240.485.2727.
- Upon receipt of your registration, a confirmation letter with detailed directions, will be sent by email.
- For additional program information, email ondemand@aphl.org.

Special Needs
Course content is closed captioned where applicable and optimized for a screen reader.