



**UNMC CLS Program  
Refresher Courses CEU Allotments  
March 2011**

Basic Laboratory Operations (6 modules)

Laboratory safety	1
Intro to lab testing	3
Pipetting techniques	1
Reagent preparation	1
Microscope principles	1
Quality Control	3.5
<b>Total</b>	<b>10.5</b>

Introduction to Laboratory Management (6 modules)

LIS	1
Method evaluation	3
Educational methodology	3
Compliance and regulatory	1.5
Principle of lab management	2
Management of financial	2
<b>Total</b>	<b>10.5</b>

Clinical Chemistry (7 modules)

Carbohydrates	2
Lipids	2
Proteins	2
Nonprotein nitrogen	2
Cardiac Function	1
Liver Function	3
Major Electrolytes	2.5
<b>Total</b>	<b>14.5</b>

Clinical Immunohematology (6 modules)

Genetics review	1
Immunology review	3
DAT	3
ABO	2
Rh	3
Other	3
<b>Total</b>	<b>15</b>



Clinical Microbiology (7 modules) (16.5 CEUs)

Introduction to Medical Microbiology	4.5
Introduction to Antimicrobial Susceptibility Testing	2
Applications of Antimicrobial Susceptibility Testing	2.5
Staphylococcus	1.5
Streptococcaceae	2
Enterobacteriaceae	3
Aerobic Gram-negative cocci	1
<b>Total</b>	<b>16.5</b>

Clinical Hematology (5 modules) (16 CEUs)

Routine Tests	4
Hematopoiesis	2
Erythrocyte Disorders	5
Leukocyte Disorders	3
Hemostasis	2
<b>Total</b>	<b>16</b>