

## MLS 3702L - Clinical Hematology 2 Laboratory

Fall 2026 Syllabus, Section 02, CRN 41277,

Credit hours: 1

### Instructor

Farhana Mueez

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### Public Instructor Information

Instructor Title:

Farhana Mueez M.D., M.H.A., MLS (ASCP)<sup>cm</sup>

Program Director Medical Laboratory Science Programs

Instructor Professional Qualifications:

M.D., ECFMG Certified-2011

M.H.A., University of Phoenix-2006

MLS (ASCP)<sup>cm</sup>: University of Kentucky-2017

Instructor Office Location:

Dept. of Health Professions

Cushwa Hall Room # 2450

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### Course Description

3702L. Clinical Hematology 2 Laboratory. Laboratory procedures in hematology and hemostasis, including leukemia, anemia, hematopathology and coagulation disorders; abnormal differentials and automated methods. Three hours of laboratory per week. Prereq.: MLS 3701, MLS 3701L with a minimal grade of "C". Coreq.: MLS 3702. 1 s.h.

### Course Readings

| Group    | Title                     | Author            | ISBN              |
|----------|---------------------------|-------------------|-------------------|
| Required | Clinical Hematology Atlas | Jacqueline H.Carr | 978-0-323-71192-0 |

Additional readings and laboratory procedures and Study questions and Lab exercises are posted on BlackBoard classroom with each laboratory procedures.

The course readings are subject to change in the event of extenuating circumstances, research developments, current events, and/or to ensure better learning.

## TENTATIVE AGENDA F2026 GROUP-A TUESDAY GROUP-B THURSDAY ( This Schedule is subjected to change according to the class requirement)

| Week of | Reading(s)                                                                                           | Proposed Topic                                                                                 | Due/To Prepare for Class                             |
|---------|------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|------------------------------------------------------|
| 8/27    | All Lab procedures information will be posted with labs information each week.<br>A-09/01<br>B-09/03 | GROUPS A=TUESDAY GROUP B= THURSDAY<br>PLATELET LAB<br>PLATELET LAB                             | NO LABS<br>DUE-09/14 For both A & B groups           |
| 9/3     | A-09/08<br>B-09/10                                                                                   | PLATELET LAB<br>PLATELET LAB                                                                   | DUE-09/14 For both A & B groups                      |
| 9/10    | A-09/15<br>B-09/17                                                                                   | Normal RBC morphology<br>Normal RBC morphology<br>Media Lab RBC Morphology Cases x 10          | DUE 10/01 lab RBC morphology cases                   |
| 9/17    | A-09/22<br>B-09/24                                                                                   | Normal RBC morphology<br>Normal RBC morphology                                                 | DUE 09/28 Normal RBC morphology                      |
| 9/24    | A-09/29<br>B-10/01                                                                                   | Normal Differentials<br>Normal Differentials<br>Media Lab Normal Differential Cases x 10       | DUE- 10/22 Media Lab Normal Differential Cases x 10  |
| 10/1    | A-10/06<br>B-10/08                                                                                   | Normal Differentials<br>Normal Differentials                                                   |                                                      |
| 10/8    | A-10/13<br>B-10/15                                                                                   | MIDTERM(COMPREHENSIVE)<br>MIDTERM(COMPREHENSIVE)                                               | DUE-10/13 GROUP A<br>DUE 10/15 GROUP B               |
| 10/15   | A-10/20<br>B-10/22                                                                                   | Normal Differentials<br>Normal Differentials                                                   | DUE 10/26 both A and B groups                        |
| 10/22   | A-10/27<br>B-10/29                                                                                   | Abnormal Differentials<br>Abnormal Differentials<br>Media Lab Abnormal Differential Cases x 10 | DUE 11/12 Media Lab Abnormal Differential Cases x 10 |
| 10/29   | A-11/03<br>B-11/05                                                                                   | Abnormal Differentials<br>Abnormal Differentials                                               |                                                      |
| 11/5    | A-11/10<br>B-11/12                                                                                   | Abnormal Differentials<br>Abnormal Differentials                                               | DUE-11/16 Abnormal Differentials                     |
| 11/12   | A-11/17<br>B-11/19                                                                                   | COAG LAB & Slide making lab.<br>COAG LAB & Slide making lab.                                   | DUE-11/20 Both Groups A & B                          |
| 11/19   | A & B -11/24<br>11/26                                                                                | OPEN LABS BOTH A & B GROUPS<br>NO LABS THANKSGIVING BREAK                                      |                                                      |
| 11/26   | A-12/01<br>B-12/03                                                                                   | FINAL EXAM(COMPREHENSIVE)<br>FINAL EXAM(COMPREHENSIVE)                                         | DUE 12/01 Group A<br>DUE 12/03 Group B               |

The course schedule, policies, procedures, and assignments in this course are subject to change in the event of extenuating circumstances, by mutual agreement, and/or to ensure better learning.