

Sample Internship Course Syllabus

MET 4541 BLOOD BANK/IMMUNOLOGY INTERNSHIP

University of Arkansas for Medical Sciences
College of Health Related Professions

Department of Laboratory Sciences
Medical Technology

Credit Hours - 5 Semester Hours
Clinical Contact Hours - 320

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1.0 GENERAL INFORMATION

1.1 Catalog Description:

Supervised practical application of coursework and experience in the areas of blood banking/immunology. Emphasis on principles, procedures, and quality assurance. Includes management practices and development of professional behavior.

1.2 Course Rationale:

In the clinical internship courses the student continues to learn, correlate and apply the knowledge and skills acquired during the academic core courses. Under the direction of medical technologists and other laboratorians, the student performs diagnostic procedures developing laboratory organization and proficiency under actual working conditions.

1.3 General Course Objectives:

The objectives of the blood bank/immunology internship course are to provide learning experiences that will result in the student possessing certain minimum job entry level competencies in the area of blood banking/immunology.

The student will:

1. practice the methods and develop the skills necessary to analyze specimens in a blood bank/immunology laboratory.
2. reinforce those theories learned in CORE and interrelated information obtained in various areas of the laboratory.
3. correlate quality control mechanisms in everyday laboratory function.
4. cultivate a professional attitude with colleagues in the laboratory and all hospital departments.
5. participate in continuing education during the course if available.

2.0 INSTRUCTIONAL METHODOLOGY

2.1 General Techniques:

The following teaching techniques may be used during the course:

- Case Studies
- Checklists
- Demonstrations
- Directed Observation
- Discussions

Independent study
In-Service Seminars
Mini Lectures
Practice
Reports and Projects
Study Questions

2.2 Resource-Based Techniques:

The following resource-based techniques are used during the course:

Clinical experience

In some cases visits or rotations through other laboratories are required.

See clinical instructor.

3.0 INSTRUCTIONAL MATERIALS/SUPPLIES

3.1 References - Print Materials:

The following print materials relate to this course. Note that the items marked with an asterisk (*) are required for use during the course.

References:

* Blaney, Kathy, Basic & Applied Concepts of Immunohematology, Mosby, 2000

* Stevens, Christine D., Clinical Immunology & Serology, F.A. Davis, 2003

* Hospital and Laboratory policy and procedure manuals - in laboratory

* Equipment manuals - in laboratory

Other printed materials vary with each hospital - see clinical instructor

3.2 References - Audiovisual Materials:

Audiovisual materials vary with each hospital - see clinical instructor.

3.3 Other Instructional Materials:

Other instructional materials used include:

Normal and abnormal sera and cells, patient samples and commercial

Samples found in laboratory.

4.0 GENERAL EVALUATION PROCEDURES

4.1 Student Evaluation Procedures:

Students are evaluated by examinations and written and practical examinations are scheduled for the individual student.

A COMPREHENSIVE examination, covering all sections, is given at the completion of the program. See MET 4135 Laboratory Medicine Case Studies Seminar course description. The comprehensive examination is modeled according to national certification examinations.

Grading System:

The final letter grade is recorded on the CHRP transcript at the completion of the semester. A cumulative GPA of 2.0 (Core + Internship) is required for progression to the 4th semester, for the Bachelor's degree award, and for Departmental approval to take national certification examinations.

The grade is determined as follows:

Laboratory Practical Examinations administered by each clinical site: 45%

The number point total and dates for examinations vary for each clinical site. Check internship rotation schedule provided by clinical sites for exact dates.

Written examinations: 30%

There are four written examinations to be taken over the course of the rotation for a total of 289 points. Dates for examinations vary based on student progress

Internship Technical Performance evaluation: 25%

Completed by internship clinical staff at the completion of the rotation

The final letter grade is derived as follows:

93% - 100% = A

85% - 92% = B

77% - 84% = C

69% - 76% = D

<69% = F

4.2 Instructor Evaluation Procedures:

Each student will evaluate the blood bank/immunology laboratory using the "Student Internship Evaluation".

4.3 Performance, Laboratory, Clinic, and Project Evaluation:

At the completion of each section, the student is evaluated by the clinical instructor(s). See "Internship Technical Performance Evaluation" form.

Each student has the opportunity to see and discuss the results with the clinical instructor. The student is required to sign and date the form affirming knowledge of (not agreement with) the evaluation results. The evaluation becomes a part of the student's records.

Grades from paper and pencil examinations, workbooks, checklists, and practical examinations are averaged for the final grade.

4.4 Makeup and Retake Examinations:

There are no makeup or retake internship examinations. All internship examinations must be completed before proceeding on to the next internship rotation.

5.0 GENERAL PROCEDURES

The clinical internship consists of 8 weeks rotation through the blood bank and immunology sections of a hospital clinical laboratory. Holidays observed vary according to the assigned hospital. Hours on duty vary according to the assigned section.

Laboratory staff, usually the section-head/chief technologist or designee, direct and supervise student learning activities. Although the primary responsibility is to provide maximum patient care, the staff is also cognizant of their responsibility to the student.

The student should be aware he/she is now entering a high-stress environment. Conflicts may arise; these should be handled directly and maturely. The student is encouraged to seek assistance or counsel from the education coordinator should situations occur which hinder or impede learning.

6.0 CLASS ATTENDANCE/CONDUCT/DRESS POLICY

6.1 General Remarks:

The student is expected to exhibit professional behavior. Therefore, he/she must adhere to the same standards as laboratory employees. Secondly, a student with excessive absences in a given rotation will have difficulty meeting the objectives of the rotation and demonstrating proficiency in the department's tasks. For these reasons the following policies have been established.

Daily attendance is required. A maximum of two days of excused absences approved by the Education Coordinator are allowed during the blood bank/immunology internship. Absences must not exceed a maximum of five days during the entire 32 weeks of clinical internships regardless of the number of days missed in any one internship. Additional absences must be made up.

The student is expected to arrive on time and to remain in the assigned area as scheduled. Breaks and lunch time are to be scheduled at the discretion of the clinical instructor.

If the student is to be unavoidably late or absent, the section supervisor is to be notified promptly.

6.2 Session Absence Grading Effects:

Excessive absences have a negative effect on the student's ability to complete the assigned objectives and to demonstrate proficiency within the allotted time.

Excessive and/or unexcused absences affect the qualitative report of the student's performances. This behavior also affects the affiliated hospital's decisions about hiring.

6.3 Session Tardiness Grading Effects:

Excessive tardiness has a negative effect on the student's ability to complete the assigned objectives and to demonstrate proficiency within the allotted time.

Excessive and/or unexcused tardiness affect the qualitative report of the student's performances. This behavior also affects the affiliated hospital's decisions about hiring.

6.4 Conduct/Dress

Conduct:

The student is expected to display maturity and professionalism in daily contacts with faculty, hospital staff, fellow-students, patients and visitors.

Dress:

The student must adhere to the dress code policy of the clinical laboratory of the assigned hospital.

7.0 DUE DATES/DEADLINES

All assignments and examinations must be completed by the end of the rotation unless otherwise designated by the instructor.

8.0 SESSIONS SCHEDULES

Check internship schedule at each site.

8.1 General Remarks:

Reading assignments and study questions are given at the discretion of the instructor. Instructors are assigned by the department supervisors at the affiliated hospitals.

8.2 Tentative Sessions Schedules:

The rotation lasts eight weeks. Scheduling within that time frame varies with each hospital. See clinical instructor.

8.3 Tentative Media Schedule:

The use of audiovisuals varies with each hospital. See clinical instructor.

9.0 INSTRUCTIONAL STAFF

The instructional staffs are comprised of the staff of the Blood Bank and Immunology departments in each hospital. To determine the person with primary responsibility for this internship at each hospital, see the *Clinical Internship Handbook*, pages 21-22.

10.0 POLICIES

CHRP Copyright Policy and Disability Policy

“The materials used in this course may include copyright protected materials provided for the personal educational use of the enrolled students and may not be further redistributed.”

“The CHRP disability policy should be included as applicable.”