



Field Experience Specifications

| | |
|----------------------|---|
| Course Title: | Clinical Internship |
| Course Code: | 373590-10 |
| Program: | Bachelor in Clinical Laboratory Sciences; Level-6 (Program Code: 373000) |
| Department: | Clinical Laboratory Sciences Department |
| College: | College of Applied Medical Sciences |
| Institution: | Taif University |

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A. Field Experience Identification

| |
|---|
| 1. Credit hours: 31 Hours |
| 2. Level/year at which this course is offered: 13th, 14th and 15th Level/ Fifth Year |
| 3. Dates and times allocation of field experience activities. <ul style="list-style-type: none"> • Number of weeks: (48) week • Number of days: (5) day • Number of hours: (8) hour/day |
| 4. Pre-requisites to join field experience (if any): The student should have passed all courses from levels 1-12 |

B. Learning Outcomes, and Training and Assessment Methods

1. Field Experience Learning Outcomes

| CLOs | | Aligned PLOs |
|----------|---|--------------|
| 1 | Knowledge and Understanding | |
| 1.1 | Recall principles of methods, selection and use of appropriate analytical equipment to conduct clinical laboratory analysis. | K2 |
| 1.2 | Recognize techniques and procedures used for specimen collection and its handling, transportation, storage, suitability evaluations and safety precautions. | K2 |
| 2 | Skills: | |
| 2.1 | Conduct laboratory tests in a proficient manner consistent with laboratory code of ethics with minimal error. | S1 |
| 2.2 | Interpret laboratory data and correlate it with disease process. | S2 |
| 2.3 | Evaluate quality assurance measures and develop proper procedures. | S3 |
| 2.4 | Communicate effectively and employ problem solving skills in context of clinical laboratory. | S4 |
| 3 | Values: | |
| 3.1 | Demonstrate a professional and ethical commitment within different health care facilities. | V1 |
| 3.2 | Participate in the development of health care services within the society. | V2 |

2. Alignment of Learning Outcomes with Training Activities and Assessment Methods

| Code | Learning Outcomes | Training Methods/Activities | Assessment Methods |
|------------|---|--|---|
| 1.0 | Knowledge and Understanding | | |
| 1.1 | Recall principles of methods, selection and use of appropriate analytical equipment to conduct clinical laboratory analysis. | <ul style="list-style-type: none"> • Practical Demonstrations | <ul style="list-style-type: none"> • Written and oral Exams |
| 1.2 | Recognize techniques and procedures used for specimen collection and its handling, transportation, storage, suitability evaluations and safety precautions. | <ul style="list-style-type: none"> • Lectures • Practical Session | <ul style="list-style-type: none"> • Laboratory Monitoring |
| 2.0 | Skills | | |
| 2.1 | Conduct laboratory tests in a proficient manner consistent with laboratory code of ethics with minimal error. | <ul style="list-style-type: none"> • Practical Demonstrations | <ul style="list-style-type: none"> • Written and Oral Exams |
| 2.2 | Interpret laboratory data and correlate it with disease process. | <ul style="list-style-type: none"> • Exercises Enabling Interpretation of Laboratory Data | <ul style="list-style-type: none"> • Problem-Solving Exercises • Case-Studies |
| 2.3 | Perform quality assurance and develop proper procedures in context of clinical laboratory sciences. | <ul style="list-style-type: none"> • Data Interpretation Training | <ul style="list-style-type: none"> • Interpretive Exercises |
| 2.4 | Communicate effectively and employ problem solving skills in context of clinical laboratory. | <ul style="list-style-type: none"> • Group Discussion | <ul style="list-style-type: none"> • Field Training |
| 3.0 | Values | | |
| 3.1 | Demonstrate a professional and ethical commitment within different health care facilities. | <ul style="list-style-type: none"> • Group Work | <ul style="list-style-type: none"> • Field Training |
| 3.2 | Participate in the development of health care services within the society. | <ul style="list-style-type: none"> • Intern Training | <ul style="list-style-type: none"> • Field Training |

3. Field Experience Learning Outcomes Assessment

a. Students Assessment Timetable

| # | Assessment task* | Assessment timing (Week) | Percentage of Total Assessment Score |
|---|------------------|--------------------------|--------------------------------------|
| 1 | Field training | 44 | 50% |
| 2 | Exit exam | 40 | 50% |

*Assessment task (i.e., Practical test, oral test, presentation, group project, essay, etc.)

b. Assessment Responsibilities

| # | Category | Assessment Responsibility |
|---|------------------|--|
| 1 | Teaching Staff | <p>The supervising faculty will evaluate the performance of the students based on weekly reports and presentations and direct feedback from the field supervisor.</p> <p>List recommendations for improvement Making workshops showing the importance of training and evaluation process for evaluation.</p> |
| 2 | Field Supervisor | <p>The supervising staff in the field setting will evaluate the students based on the following points:</p> <ol style="list-style-type: none"> 1. Punctuality and regularity in attending field work. 2. Initiatives in taking up tasks and completing them within deadlines. 3. Effective communication within the department. 4. Reporting and presenting the work in an effective manner. |
| 3 | Others (specify) | None |

C. Field Experience Administration

1. Field Experience Locations

a. Field Experience Locations Requirements

| Suggested Field Experience Locations | General Requirements* | Special Requirements** |
|--------------------------------------|---|---|
| King Abdul-Aziz Specialist Hospital | <ul style="list-style-type: none">• Availability of modern equipments.• Availability of resources. | Must be in compliance with regulations of laboratory. |
| King Faisal Specialist Hospital | | |
| Children's Hospital at Taif | | |
| Al-Hada Military Hospital | | |
| Central Lab at Taif | | |

*Ex: provides information technology, equipment, laboratories, halls, housing ,learning sources ,clinics etc.

**Ex: Criteria of the training institution or related to the specialization, such as: safety standards, dealing with patients in medical specialties, etc.

b. Decision-making procedures for identifying appropriate locations for field experience

- The intern's training committee coordination with the head of the training institutions within the kingdom, followed by individual field location visit by the committee's head, to see its appropriateness for student's training.
- Once destinations are finalized, an official document approved by the committee's head and host institution is prepared along with other required information and handed over to the interns.

2. Supervisory Staff

a. Selection of Supervisory Staff

| Selection Items | Field Supervisor | Teaching Staff |
|--------------------|--|---|
| Qualifications | Must have at least a bachelor's degree | Must have at least a bachelor's degree |
| Selection Criteria | Must have a minimum of three years of work experience in an institute of repute. | Must have a minimum of three years of work experience in an institute of repute |

b. Qualification and Training of Supervisory Staff

(Including the procedures and activities used to qualify and train the supervisory staff on supervising operations, implementing training activities, the follow-up and evaluation of students, etc.)

Qualifications

All clinical supervisory staff are competent laboratory technologists with a minimum bachelor's degree in the specified field. In addition, they must have a minimum of three years of experience in an organization of repute.

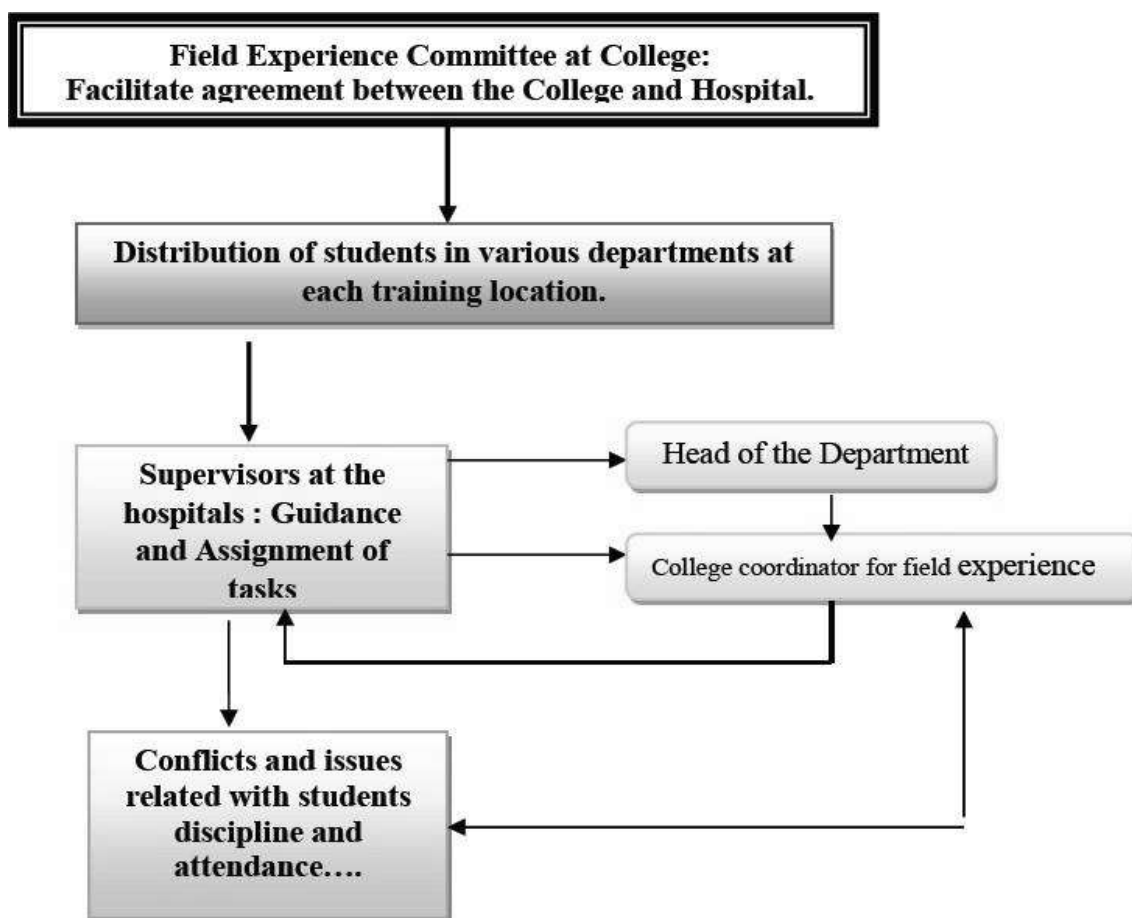
Training and Certification

All supervisory position staff take regular professional developmental courses to keep them abreast with latest updates in the field of clinical laboratory medicine. They are all certified professionals in the field.

3. Responsibilities

a. Field Experience Flowchart for Responsibility

including units, departments, and committees responsible for field experience, as evidenced by the relations between them.



b. Distribution of Responsibilities for Field Experience Activities

| Activity | Department or College | Teaching Staff | Student | Training Organization | Field Supervisor |
|--------------------------------------|-----------------------|----------------|---------|-----------------------|------------------|
| Selection of a field experience site | √ | √ | √ | | |
| Selection of supervisory staff | √ | √ | √ | | |
| Provision of the required equipment | | | | √ | √ |
| Provision of learning resources | √ | √ | | √ | √ |
| Ensuring the safety of the site | √ | √ | | √ | √ |

| Activity | Department or College | Teaching Staff | Student | Training Organization | Field Supervisor |
|---|-----------------------|----------------|---------|-----------------------|------------------|
| Commuting to and from the field experience site | √ | √ | √ | √ | √ |
| Provision of support and guidance | √ | √ | | √ | √ |
| Implementation of training activities (duties, reports, projects,.....) | √ | √ | | √ | √ |
| Follow up on student training activities | √ | √ | | √ | √ |
| Adjusting attendance and leave | | | | √ | √ |
| Assessment of learning outcomes | √ | √ | | √ | √ |
| Evaluating the quality of field experience | √ | √ | | √ | √ |
| Others (specify) | | | | | |

4. Field Experience Implementation

a. Supervision and Follow-up Mechanism

Supervision and follow-up are shared responsibilities among the head of the department, clinical practice coordinator, teaching staff and the field supervisor.

b. Student Support and Guidance Activities

Observation and coaching; co-planning and feedback on field training planning; problem-solving regarding: instruction, field training hours management, student access to curriculum, and other student-related issues; students' meetings, and email and WhatsApp conversations with teaching staff and the field supervisor.

5. Safety and Risk Management

| Potential Risks | Safety Actions | Risk Management Procedures |
|--|--|---|
| Infections transmitted through body fluids and tissues pose substantial amount of risk for the safety of interns. These mainly include HCV, HBV, HIV and other air-borne infections. | All trainees should be vaccinated against communicable diseases. | <ul style="list-style-type: none"> • Students are vaccinated against hepatitis, meningitis and influenza. It is mandatory to take hepatitis (B and C) vaccination. • Students are oriented with the safety measures in accordance with the institute's standard safety protocol as applied to physical, chemical and biological safety. • The interns are well acquainted with all safety precautions to be followed throughout their training period, by attending professional workshops prior to their joining. |
| The expulsion of training without compelling reasons | Contractual agreement with the organization. | Work in accordance with the conditions as given in the contract. |
| Injury the trainee during training. | Contractual agreement with the organization. | Work in accordance with the conditions as given in the contract. |
| Claim the college with the financial receivables. | Contractual agreement with the organization. | Work in accordance with conditions as given in the contract. |

G. Training Quality Evaluation

| Evaluation Areas/Issues | Evaluators | Evaluation Methods |
|---|---|--|
| - Effectiveness of Training and assessment - Quality of learning resources | Students, Supervisory Staff, Peer Reviewer | Continuous feedback during training, & academic office hours - course evaluation survey and focus group discussion "small group of students" Course evaluation survey |

Evaluation areas (e.g., Effectiveness of Training and assessment, Extent of achievement of course learning outcomes, Quality of learning resources, etc.)

Evaluators (Students, Supervisory Staff, Program Leaders, Peer Reviewer, Others (specify))

Assessment Methods (Direct, Indirect)

E. Specification Approval Data

| | |
|---------------------|--------------------|
| Council / Committee | Department Council |
| Reference No. | Meeting Number 11 |
| Date | 19/05/2022 |

