

بسم الله الرحمن الرحيم

الفصل الدراسي : الثاني

العام الجامعي : ٢٠١٤/٢٠١٥



الجامعة الإسلامية - غزة

برنامج الماجستير في العلوم الحياتية

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## Laboratory Management & Quality Assurance (BISC 6361)

مدرس المساق: د. مازن مدحت الزهارنة

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وصف المساق :

This course give an introduction to Management, the administrative process, problem solving and decision making in medical laboratories. It also introduces the quality assurance and gives detailed quality assurance aspects in different medical laboratory sections concentrating on the preanalytical, analytical and postanalytical issues.

محتوى المساق: ( مفردات المساق و توزيعها على الفصل الدراسي ).

- **Laboratory Management**
  - The nature of Management in the clinical laboratory
  - Laboratory planning, organization and control
  - Problem solving- The decision making process
- **Quality Assurance**
  - Quality assurance in the clinical laboratory
  - Personnel, staff development and Quality assurance
  - Sample Integrity
  - Procedure Manual
  - Choice of Methods and Instruments
  - Reference Intervals
  - Internal Quality Control
  - External Quality Control testing: Proficiency surveys
  - Quality Assurance and Instrument maintenance
  - Quality Assurance of Reagents, Supplies and Laboratory Water
  - Laboratory Safety
  - Quality Assurance in Clinical Chemistry
  - Quality Assurance in Transfusion Service
  - Hematology Quality Assurance

- Coagulation
- Quality Assurance in Microbiology and Serology
- Quality Assurance of PH and Blood Gas Determinations
- An outline for Planning and Implementing an Effective Quality Assurance Program
- Workload Measurement

مراجع المساق:

- المرجع الرئيس :

- Stewart, C. E. and J. A. Koepke (1987). Basic quality assurance practices for clinical laboratories. Philadelphia, Lippincott.
- Snyder, J. R. and D. A. Senhauser (1989). Administration and supervision in laboratory medicine. Philadelphia ; London, Lippincott.

التقييم:

- ١ . Report (10%)
- ٢ . Presentation (15%)
- ٣ . Midterm Exam (25%)
- ٤ . Final Exam (50%)