University of Bahrain
MICRO-CREDENTIAL

Applied Bioinformatics

GENERAL INFORMATION

Duration: 4 Weeks

Total Hours: 40 hours

Venue: University of Bahrain, Sakhir Campus

Fees: 200 BHD

Level: Postgraduate

Language: English

Pre-requisite:
General Biology

INSTRUCTOR BIOGRAPHY

Dr. Qamar Abbas Solangi

Dr. Qamar, Assistant Professor at the University of Bahrain, holds a Ph.D. in Biology from Kongju National University, Korea. He has expertise in drug testing and research on inhibitors for skin pigmentation disorders and diabetes. With 80 papers, 2 book chapters, and over 1992 citations, he has six years of teaching and research experience.

Micro-credential is a short, focused course designed to equip learners with specific skills and knowledge within a specialized area. It serves as a pathway to earning an equivalent certification for a core course, offering a flexible and targeted learning experience.

COURSE OVERVIEW

The Micro-credential in Bioinformatics is a short course that introduces the basics of bioinformatics, providing the skills needed to solve biological problems. It offers hands-on experience with bioinformatics tools and online databases to analyze biological data, including DNA/protein sequence alignment, phylogenetic trees, protein structures, gene expression, and bioinformatics applications in drug design and discovery. This course can lead to a certificate equivalent to a prerequisite biological pathway course.

DELIVERY MODE

Blended learning (face-to-face and online)

ASSESSMENTS

- Practical Assignment (50%): Specific practical tasks will be completed during the course. (2 Assignments)
- Final exam (50%): The final exam consists of 30 questions that are MCQs and/or true-false questions.

TARGET AUDIENCE

- Current postgraduate students
- Faculty/staff interested in bioinformatics
- Professionals in bioinformatics
- Business/industry partners in bioinformatics

KEY TOPICS COVERED

- Introduction to biological databases
- Sequence alignment
- Database similarity searching
- Gene and promoter prediction
- Structural bioinformatics

Scan the code
for Registration

For further Information, please contact:

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