



University of Bahrain MICRO-CREDENTIAL



CALCULUS

GENERAL INFORMATION

Duration: 4 Weeks

Total Hours: 122 hours

Venue: University of Bahrain

Fees: 240 BHD

Credits: 3 credits (B.Sc. in
Statistics and Data Science)

Level: Undergraduate

Language: English

Pre-requisite:

- High School Mathematical Concepts
- Intermediate Level of English

INSTRUCTOR BIOGRAPHY



Dr. Sawsan Hilal

Dr. Sawsan Hilal holds a Ph.D. in statistics from Lancaster University and an M.Sc. in mathematics from the University of Bahrain. Her research focuses on Data Science and Financial Risk Management. She is the coordinator of the M.Sc. in Big Data Science and Analytics and won the VIWA 2018 "Distinguished Woman in Science – Statistics" award.



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

This is a creditable micro-credential representing an intensive course that is designed to equip participants with the necessary skills covered by a university first course in calculus. The course is delivered over one month with a total of 122 notional hours distributed between asynchronous classes, in-person tutorials, online assignments, and physical final examination. Then students who successfully complete the course will be eligible to a credit transfer.

DELIVERY MODE

The course will be delivered over two days per week, so that lectures and tutorials will be delivered online, while practical sessions will be delivered physically.

ASSESSMENTS

Online Assignments (60%).
Final Examination (40%).

TARGET AUDIENCE

The target audience is undergraduate students, particularly students from both College of Information Technology and College of Engineering.

KEY TOPICS COVERED

This is a mathematics course, so it is expected to expose students to many problems to master the fundamental concepts of calculus such as continuity, limits, differentiation and integration. Towards this goal, students need to do several assessments and solve many mathematical problems. Specifically, students need to do online homework after each unit and set for one midterm besides the final examination which will be taken by the end of the course



Scan the code
for Registration

For further Information, please contact:

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