

SHORT COURSE DETAILS

1.0 Name of Series
MICRO-CREDENTIAL (MASTER OF SCIENCE IN ECONOMIC CRIME MANAGEMENT)

2.0 Name of Course
MICRO AWARD IN ADVANCED FRAUD ANALYSIS

3.0 Synopsis of Course (60-word limit)

This course is designed to familiarize students with innovative analytic approaches used to perform complex fraud analysis. Data mining and predictive analytical skills will be discussed. It also introduces the detailed approach of performing a complex fraud analysis. Topics include: precrime data mining, investigative data warehousing, link analysis, text mining, neural networks, machine learning, intrusion detection, and the Entity Validation System (EVS).

4.0 For Whom?

Law Enforcement · Regulatory Bodies · Financial Institutions · Securities Regulation · Academics · Internal/External Auditors · Compliance Personnel · Forensic Accountants / Bank Examiners

5.0 Course Outcomes (100-word limit)

- Evaluate the fundamental principles on the investigative data mining and warehousing.
- Categorise and evaluate the neural networks, machine learning, net fraud and criminal patterns on economic crime management.
- Explain and conclude the intrusion detections.
- Compile Entity Validation System (EVS) and examine its functions.

6.0 Delivery Mode
ODL, F2F, Blended

7.0 Duration of Course
42 hours

8.0 Course Start date - End date
26 July 2021 – 5 September 2021

9.0 Level of Course & Microcredential Credit Value, if any

4 credit hours

10.0 Course Outline
Topic 1: Precrime Data Mining
Topic 2: Investigative Data Warehousing

Topic 3: Link Analysis: Visualizing Associations
Topic 4: Intelligent Agents: Software Detectives
Topic 5: Text Mining: Clustering Concepts
Topic 6: Neural Networks: Classifying Patterns
Topic 7: Machine Learning - Developing Profiles
Topic 8: Net Fraud- A Case Study
Topic 9: Criminal Patterns - Detection Techniques
Topic 10: Intrusion Detections - Techniques and Systems
Topic 11: The Entity Validation System (EVS)

11.0 Course Fee
RM2,200

12.0 Short Bio of Trainer/s (50-word limit)

Dr Norazida Mohamed is a Chartered Accountant and Senior Accounting Lecturer at UITM. Her PhD thesis blends fraud management issues with Forensic Accounting. She was Assistant Rector and Administration Coordinator 2006-2020, Assistant Manager at a leading government agency, and Account Executive at several private firms in Malaysia. She gained forensic investigation experience at the Malaysia Inland Revenue Board. Under the Erasmus Program, she has been at Burgas FreeUniversity, Bulgaria for teaching exchange. She is also an external examiner for the Harare Institute of Technology, Zimbabwe.