UNIVERSITI TEKNOLOGI MARA
AUD349: ACCOUNTING INFORMATION SYSTEM AUDITING

Course Name (English)	ACCOUNTING INFORMATION SYSTEM AUDITING APPROVED
Course Code	AUD349

MQF Credit	3

Course Description	This course introduces an overview of auditing. The topics that will be discussed in this course are auditing and internal control, audit regulations, audit planning, audit in the IT environment, computer-assisted audit tools and techniques (CAATTs), CAATTs for data extraction and analysis, auditing the revenue cycle and auditing the expenditure cycle. In this course, students will be introduced to generalised audit software – e.g., the Audit Command language (ACL) software. A student edition of ACL along with sample data files and instruction manual will be used during the lab session.

Transferable Skills	Ability to analyse and propose the internal control system of a business operation. Students are also able to analyse accounting data using CAATTs (ACL software) for auditing purposes.

Teaching Methodologies	Lectures, Blended Learning, Case Study, Tutorial, Computer Aided Learning

CLO		
	CLO1	Assess the impacts of auditing in the information technology (IT) environment, the application of computer-assisted audit tools and techniques (CAATTs), the generalized audit software (GAS) and audit-related tasks in auditing the revenue and expenditure cycles of an organization.
	CLO2	Demonstrate the application of the computer-assisted audit tools and techniques (CAATTs) in computer and application control in an organization.
	CLO3	Propose the audit-related tasks performed in the revenue and expenditure cycle pertaining to the internal control issues of an organization.

Pre-Requisite Courses	No course recommendations

Topics

1. Auditing and Internal control
1.1) 1.1 Overview of auditing
1.2) 1.2 The role of the audit committee
1.3) 1.3 Financial audit components
1.4) 1.4 The IT audit
1.5) 1.5 Internal control
1.6) 1.6 Fraud and Accountant

2. Audit Regulations
2.1) 2.1 Companies Act 2016
2.2) 2.2 MIA By-Laws (On Professional Ethics, Conduct and Practice)
2.3) 2.3 Standards on Auditing

3. Audit Planning
3.1) 3.1 Steps in Planning an Audit
3.2) 3.2 Risk Assessment
3.3) 3.3 Audit Risk
3.4) 3.4 Audit Materiality
3.5) 3.5 Audit Evidence and Audit Procedures
3.6) 3.6 Audit Documentation

4. Auditing IT Environment
4.1) 4.1 Auditing the computer center
4.2) 4.2 Auditing the Disaster Recovery Planning (DRP)
4.3) 4.3 Auditing operating system
4.4) 4.4 Auditing networks
4.5) 4.5 Auditing Electronic Data Interchange (EDI)

5. Computer-Assisted Audit Tools and Technique (CAATTs)
5.1) 5.1 Application controls
5.2) 5.2 Testing computer application controls
5.3) 5.3 Computer-aided audit tools and techniques for testing controls
5.4) 5.4 Embedded audit module (EAM)
5.5) 5.5 Generalised audit software (GAS)

6. Auditing the Revenue Cycle
6.1) 6.1 Revenue cycle activities and technologies
6.2) 6.2 Revenue cycle audit objectives, controls, and test of controls
6.3) 6.3 Substantive tests of revenue cycle accounts

7. Auditing the Expenditure Cycle
7.1) 7.1 Expenditure cycle activities and technologies
7.2) 7.2 Expenditure cycle audit objectives, controls, and test of controls
7.3) 7.3 Substantive tests of expenditure cycle accounts

8. Audit Report
8.1) 8.1 Elements of audit report
8.2) 8.2 Type of audit report and opinions

Assessment Breakdown	%
Continuous Assessment	50.00%
Final Assessment	50.00%

Details of Continuous Assessment	Assessment Type	Assessment Description	% of Total Mark	CLO
	Case Study	Case study on the application of ACL software in the computerised audit of revenue and expenditure cycle.	10%	CLO2
	Case Study	Case study on the audit-related tasks performed in the revenue and expenditure cycles to emphasize the value, ethics, morality and professionalism.	10%	CLO3
	Quiz	The quiz will be tested covering the topic of the Audit Report.	10%	CLO1
	Test	A one-time test will be assigned to students covering topics on Auditing and Internal Control, Audit regulations and Audit planning.	20%	CLO1

Reading List	Recommended Text	• **James A. Hall 2017, *Information Technology Auditing*, 4th edition Ed., 12, Cengage Learning Singapore [ISBN: 9789814780339]**
	Reference Book Resources	• **Ayoib Che Ahmad, Hasnah Haron, Mazrah Malik, Zalailah Salleh, Hilwani Hariri, Norziaton Ismail Khan & Sherliza Puat Nelson 2018, *Fundamentals of Auditing*, 1st edition Ed., 24, Oxford University Press Malaysia [ISBN: 9789834723842]**
		• **Legal Research Board 2017, *Companies ACT 2016 (ACT 777) & Regulations*, International Law Book Services Malaysia [ISBN: 9789678926249]**
		• **Alvin A. Arens, Randal J. Elder, Mark S. Beasley, Noor Afza Amran, Faudziah Hanim Fadzil, Nor Zalina Mohamad Yusof, Mohamad Naimi Mohamad Nor & Rohami Shafie 2014, *AUDITING AND ASSURANCE SERVICES IN MALAYSIA*, 3rd edition Ed., 26, Pearson Malaysia Sdn Bhd Malaysia [ISBN: 9789673493432]**
		• **Chris Davis, Mike Schiller & Kevin Wheeler 2011, *IT Auditing Using Controls to Protect Information Assets, 2nd Edition*, 2nd edition Ed., McGraw Hill Professional [ISBN: 9780071742382]**
Article/Paper List	This Course does not have any article/paper resources	
Other References	• **Report Malaysian Institute of Accountants 2020, *By- Laws (On Professional Ethics, Conduct and Practice)* , Malaysian Institute of Accountants, Malaysia https://www.mia.org.my/v2/ppt/ethics/byl aws.aspx**	