



**UNIVERSITI TEKNOLOGI MARA**  
**FACULTY OF COMPUTER AND MATHEMATICAL SCIENCES**  
**MAT112 SCHEME OF WORK**  
**SEMESTER OCTOBER 2022 – FEBRUARY 2023**

Week	Topics	Hours	Remarks
1 9 - 13 Oct	<b>Chapter 1: Review on Algebra</b> <ul style="list-style-type: none"> <li>● Fractions</li> <li>● Decimals</li> <li>● Percentage</li> <li>● Linear Equations</li> </ul>	3	<b>Lesson – Introduction Complete Entrance Survey</b>
	Tutorial	1	Chapter 1
	**9 Oct Maulidur Rasul		
2 16 - 20 Oct	<b>Chapter 2: Sequence</b> <ul style="list-style-type: none"> <li>● Arithmetic Sequence</li> <li>● Geometric Sequence</li> </ul>	1	
	Tutorial	1	Chapter 2
	<b>Chapter 3: Simple Interest</b> <ul style="list-style-type: none"> <li>● Introduction to Interest</li> <li>● Simple Interest Formula – Years or Months</li> </ul>	2	
3 23 - 27 Oct	<ul style="list-style-type: none"> <li>● Simple Interest Formula – Days</li> </ul>	3	
	Tutorial	1	Chapter 3
	**24 Oct Deepavali		
4 30 Oct - 3 Nov	<b>Chapter 4: Bank Discount &amp; Promissory Notes</b> <ul style="list-style-type: none"> <li>● Promissory Notes</li> <li>● Bank Discount</li> </ul>	3	
	Tutorial	1	Chapter 4
5 6 - 10 Nov	<ul style="list-style-type: none"> <li>● Discounting Promissory Notes</li> <li>● Simple Interest Rate Equivalent to Bank Discount Rate</li> </ul>	2	
	Tutorial	1	Chapter 4
	<b>QUIZ – 10% (Chapter 1 and 2)</b> <b>Full marks – 30 marks</b> (1 Hour - F2F)	1	<b>Chapter 1 and 2</b>

6 13 - 17 Nov	<b>Chapter 5: Compound Interest</b> <ul style="list-style-type: none"> <li>• Introduction to Compound Interest</li> <li>• Compound Interest Formula</li> </ul>	3	
	Tutorial	1	Chapter 5
<b>Cuti Pertengahan Semester / Cuti Khas Perayaan</b> <b>20-26 Nov 2022</b> <b>(Krismas: 25 - 26 Nov 2022)</b>			
7 27 Nov - 1 Dec	<ul style="list-style-type: none"> <li>• Compound Interest Formula</li> </ul>	1	
	<b>Chapter 6: Annuity</b> <ul style="list-style-type: none"> <li>• Introduction to Annuity and Types of Annuities</li> <li>• Future Value of Ordinary Annuity Certain</li> </ul>	2	
	Tutorial	1	Chapter 6
8 4 - 8 Dec	<ul style="list-style-type: none"> <li>• Present Value of Ordinary Annuity Certain</li> </ul>	2.5	
	<b>TEST – 25% (Chapter 3, 4 and 5)</b> <b>Full marks – 45 marks</b> (1.5 Hours - F2F )	1.5	<b>Chapter 3, 4 and 5</b>
9 11 - 15 Dec	Tutorial	1	Chapter 6
	<b>Chapter 7: Trade and Cash Discounts</b> <ul style="list-style-type: none"> <li>• Trade Discount</li> </ul>	1	
	<ul style="list-style-type: none"> <li>• Single Discount Equivalent to Chain Discount</li> </ul>	1	
	Tutorial	1	Chapter 7
10 18 - 22 Dec	<ul style="list-style-type: none"> <li>• Cash Discount</li> <li>• Domain Application</li> </ul>	1.5	
	Tutorial	1	Chapter 7
	<b>Chapter 8: Markup and Markdown</b> <ul style="list-style-type: none"> <li>• Markup</li> </ul>	1.5	
<b>Cuti Khas Perayaan</b> <b>26 Dis 2022-02 Jan 2023</b> <b>(Tahun Baru: 1 - 2 Jan 2022)</b>			
11 3 - 6 Jan	<ul style="list-style-type: none"> <li>• Markdown</li> <li>• Profit and Loss</li> <li>• Domain Application</li> </ul>	3	
	Tutorial	1	Chapter 8
	<b>GROUP PROJECT – 15% (Chapter 6 and 7)</b> <b>Full marks – 40 marks</b> <b>Question will be given in week 9</b> (Proposed duration: 2 weeks)		

12 9 - 13 Jan	<b>Chapter 9: Installment Purchase</b> <ul style="list-style-type: none"> <li>• Interest based on Original Balance</li> <li>• Interest based on Reducing Balance using Constant Ratio Formula</li> <li>• Unpaid Principal Balance using Rule of 78</li> </ul>	3	
	Tutorial	1	Chapter 9
13 16 - 20 Jan	<ul style="list-style-type: none"> <li>• Domain Application</li> </ul>	1	
	Tutorial	1	Chapter 9
	<b>Chapter 10: Depreciation</b> <ul style="list-style-type: none"> <li>• Depreciation using Straight Line Method</li> <li>• Depreciation using Declining Balance Method</li> </ul>	2	
14 25 - 27 Jan	<ul style="list-style-type: none"> <li>• Depreciation using Declining Balance Method</li> </ul>	3	<b>Complete Exit Survey and SuFo</b>
	Tutorial	1	Chapter 10
	**22 - 24 Jan Tahun Baru Cina		
<b>FINAL EXAMINATION - 50% (Chapter 3-10)</b> <b>Full marks – 100 marks</b> <b>(3 Hours - F2F)</b>			