Department & Faculty: Dept. of Built Environment Center For Diploma Studies SPACE	Page : 2 of 5		
Course Code : Valuation Mathematics (DDPF 1212) Total Lecture Hours : 28 hours Tutorial : 14 hours	Semester: 1 Academic Session: 2012/2013		
STUDENT LEARNING TIME			
Teaching and Learning Activities	Student Learning Time (hours)		
<ul> <li>A. Face-to-face Learning</li> <li>1. Lecture</li> <li>2. Practical / Tutorial</li> <li>3. Student Centered Learning</li> </ul>	28 7 7		
<ul> <li>B. Self Directed Learning</li> <li>1. Non face-to-face eg assignments</li> <li>2. Revision</li> <li>3. Assessment Preparation</li> </ul>	10 16 7		
C. Formal Assessment 1. Continuous Assessment 2. Final Exam Total	3 2 80		
TEACHING METHODOLOGY Lecture and Discussion, Co-operative Learning, Independent Study, Group Tu			
WEEKLY SCHEDULE	I TEKNOLOGI MALAYSIA		
Week 1       :       1.0. INTRODUCTION FOR VALUATION         •       Environment property industry         •       Concept of price, value and cost.         •       Important valuation's mathematic for	MATHEMATIC property management and property valuation.		
Week 2       : 2.0 LINEAR EQUATION AND NONLINEA         • Introduction         • Equation         • Solution of linear equation in one vari         • Linear equation and non linear equation         • Quadratic equation         • Systems of equations         • Using these equations in property value         Weeks 3       :	iable on		
2.0 LINEAR EQUATION AND NONLINEA         Tutorial 1       • Introduction         • Equation	EQUATION		

Department & F Dept. of Built Er Center For Diple	
Course Code : V Total Lecture Ho Tutorial	aluation Mathematics (DDPF 1212) purs : 28 hours : 14 hours Semester: 1 Academic Session: 2012/2013
	<ul> <li>Solution of linear equation in one variable</li> <li>Linear equation and non linear equation</li> <li>Quadratic equation</li> <li>Systems of equations</li> <li>Using these equations in property valuation and property management.</li> </ul>
Weeks 4	<ul> <li>3.0 SQUENCE: Arithmetic sequence</li> <li>Introduction</li> <li>Arithmetic sequence</li> <li>Using these sequences in property valuation and property management.</li> </ul>
Weeks 5 Tutorial 2 Weeks 6	<ul> <li>4.0 SQUENCE: Geometric sequence</li> <li>Introduction</li> <li>Geometric sequence</li> <li>Using these sequences in property valuation and property management.</li> <li>5.0 SIMPLE INTEREST</li> <li>Introduction</li> <li>Introduction</li> <li>Interest</li> <li>Simple interest formula</li> <li>ERSITI TEKNOLOGI MALAYSIA</li> <li>Four basic concept</li> <li>Present value</li> <li>Equation of value</li> </ul>
Weeks 7 Tutorial 3 Test 1 (15%)	<ul> <li>6.0 COMPOUND INTEREST <ul> <li>Introduction</li> <li>Compound interest formula</li> <li>Effective, nominal and equivalent rate</li> <li>Relationship between effective and nominal rates</li> <li>Relationship between two nominal rates</li> <li>Present value</li> <li>Equation of value</li> </ul> </li> </ul>
Weeks 8	MID TERM BREAK
Weeks 9	<ul> <li>7.0 ANNUITY <ul> <li>Introduction</li> <li>Future value</li> <li>Present value</li> <li>Solving for R, n and i</li> </ul> </li> </ul>

Department & Dept. of Built I	
	oloma Studies SPACE
	Valuation Mathematics (DDPF 1212)
	ours : 28 hours Semester: 1
utorial	: 14 hours Academic Session: 2012/2013
	Amortisation
	Amortisation schedule
	Sinking fund
Week 10	: 8.0 VALUATION MATHEMATIC
	Introduction
	Amount \$1     Amount \$1 per annum
	<ul> <li>Amount \$1 per annum</li> <li>Present Value of \$1</li> </ul>
	<ul> <li>Present Value of \$1 per annum</li> </ul>
	Annual Sinking Fund
	Year Purchases Single Rate
	NUN UN Year Purchase Dual Rate
Weeks 11 Tutorial 4	<ul> <li>Valuation Parry's Table</li> <li>8.0 VALUATION MATHEMATIC</li> <li>Introduction</li> <li>Amount \$1</li> <li>Amount \$1 per annum</li> </ul>
SIT	Present Value of \$NIVERSITI TEKNOLOGI MALAYSIA Present Value of \$1 per annum
	Annual Sinking Fund
	• Year Purchases Single Rate
	• Year Purchase Dual Rate
	Valuation Parry's Table
Weeks 12	: 9.0 INSTALMENT PURCHASES
	• Introduction
	Interest charge based on original balance
	Interest charge based on reducing balance
	Unequal instalment payments and repayment schedules.
Week 13	9.0 INSTALMENT PURCHASES
	• Introduction
	Interest charge based on original balance
	Interest charge based on reducing balance
	• Unequal instalment payments and repayment schedules.
Weeks 14 Test 2 (15%)	: 10.0 DEPRECIATION

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Total Lecture Ho		Semester: 1		
Tutorial	: 14 hours	Academic Session: 2012/2013		
	<ul> <li>Introduction</li> <li>Depreciation</li> <li>Terms related to depreciation</li> <li>Straight line method</li> <li>Declining balance method</li> <li>Sum of year digits method</li> </ul>			
Weeks 15 Tutorial 5	<ul> <li>10.0 DEPRECIATION</li> <li>Introduction</li> <li>Depreciation</li> <li>Terms related to depreciation</li> <li>Straight line method</li> <li>Declining balance method</li> <li>Sum of year digits method</li> </ul>			
REFERENCES	Thompson. 2. Lau Too Kya, Phang Yook Ngor Kuala Lumpur:Oxford Fajar Sdn 3. Lau Too Kya, Phang Yook Ngo Kuala Lumpur:Oxford Fajar Sdn 4. Ernest F. , Haeussler, Jr., and Ris	r and Wee Kok Kiang (2006) ."Accounting Mathematics For UITM".		

#### GRADING

No.	Assessment	Number	% Each	ВТ	Overall %	Dates
1.	Tutorial	2	10	C1-C3 P1-P3 CTPS1-CTPS2 A1-A3 TS1-TS2	20%	W2, W9
3.	Test s	2	10	C1- C3	20%	W7 , W13
4.	Final Exam	1	60	C1-C3	60%	W17
	Overall Total				100	