Basic Mathematics

This course se All Bachelor (1 st C Year 1, A' Sem	rves as both Elective a I Programs	TMAT-1 and Require	00 ment, according General Electi	g to the program. ve		
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All Bachelor (1 st C Year 1, A' Sem	l Programs		General Elect	ve		
Bachelor (1 st C Year 1, A' Sem						
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Year 1, A' Sem		Bachelor (1 st Cvcle)				
Year 1, A' Semester						
Mariana Pelekanos						
4	Lectures / week	3	Laboratories / week			
This course aims to provide students with a good overall knowledge of the fundamental mathematical concepts, techniques and theories of Mathematics applicable to real-world problems.						
 Upon completion of this course students will be able to: 1. Demonstrate a clear understanding of the fundamental mathematical principles, techniques, formulas and theories. 2. Develop a range of mathematical techniques for the solution of basic 						
 problems. 3. Solve problems using algebra and comprehend the basic graphical methods. 4. Explore the various applications of mathematical logic and formulas in real- life examples. 						
Placement Tes	st	Requ	Jired			
 Real Logio Linea System System Quad Introd Appli 	Numbers c of algebra - polynomi ar equations ems of linear equations dratic equations duction to graphing ications	ials s				
F	Mariana Peleka This course a mathematical problems. Jpon completion 1. E P 2. E P 3. S 4. E li Placement Tes 1. Real 2. Logio 3. Linea 4. Syste 5. Quad 6. Introv 7. Appl	Mariana Pelekanos Lectures / week This course aims to provide studen mathematical concepts, techniques problems. Jpon completion of this course stude 1. Demonstrate a clear principles, techniques, f 2. Develop a range of problems. 3. Solve problems using a 4. Explore the various ap life examples. Placement Test 1. Real Numbers 2. Logic of algebra - polynom 3. Linear equations 4. Systems of linear equations 5. Quadratic equations 6. Introduction to graphing 7. Applications	Ariana Pelekanos Image: Lectures / week 3 This course aims to provide students with a gramathematical concepts, techniques and theorie problems. Jpon completion of this course students will be at 1. Demonstrate a clear understan principles, techniques, formulas and 2. Develop a range of mathematic problems. 3. Solve problems using algebra and 4. Explore the various applications or life examples. Placement Test Require 1. Real Numbers 2. Logic of algebra - polynomials 3. Linear equations 4. Systems of linear equations 5. Quadratic equations 6. Introduction to graphing 7. Applications 9.	Mariana Pelekanos		



Teaching Methodology	The course is delivered through lectures, tutorials and exercises.					
Mode of delivery	Face to face.					
Bibliography	Required					
	 Jones, G., Introduction to College University, 2005. 	 Jones, G., Introduction to College Mathematics, 3rd ed., Murray State University, 2005. 				
	2. Dugopolski.M., Intermediate Algebra, 6th ed., McGraw Hill, 2009.					
Assessment	The following assessment methods are employed to assess this course:					
	30 – 50 %	Final Exam				
	20 – 40 %	Mid –Term / Tests / Quizzes				
	10 – 30 %	Assignments / Projects				
	0 – 10 %	Class Attendance & Participation				
Language	English					

