COURSE: DIFFERENTIAL CALCULUS		
DEGREE: APPLIED MATHEMATICS AND COMPUTING	YEAR: FIRST	TERM: FIRST

WEEKLY PLANNING

WEEK	SESSION	DESCRIPTION	GROUPS (mark X)		SPECIAL ROOM FOR SESSION (Computer class room, audio-visual class room)	Indicate YES/NO If the session needs 2 teachers	WEEKLY PROGRAMMING FOR STUDENT		
			LECTURES	SEMINARS			DESCRIPTION	CLASS HOURS	HOMEWORK HOURS (Max. 7h week)
1	1	**CHAPTER 1**: REAL VARIABLE FUNCTIONS THE REAL LINE: SETS OF NUMBERS. PROPERTIES. ABSOLUTE VALUES	X		NO	NO	READING AND REVIEW OF THE CORRESPONDING SECTIONS IN THE BOOK "CALCULUS" BY M. SPIVAK	1,66	6,5
1	2	DISCUSSION AND RESOLUTION OF PROBLEMS		X	NO	NO	RESOLUTION OF THE CORRESPONDING PROBLEMS OF THE LIST	1,66	
2	3	ELEMENTARY FUNCTIONS AND CURVES. TRANSFORMATIONS. COMPOSITION. INVERSE FUNCTIONS. POLAR COORDINATES	X		NO	NO	READING AND REVIEW OF THE CORRESPONDING SECTIONS IN THE BOOK "CALCULUS" BY M. SPIVAK	1,66	6,5
2	4	DISCUSSION AND RESOLUTION OF PROBLEMS		X	NO	NO	RESOLUTION OF THE CORRESPONDING PROBLEMS OF THE LIST	1,66	
3	5	**CHAPTER 2**: LIMITS AND CONTINUITY LIMITS OF FUNCTIONS. PROPERTIES AND FUNDAMENTAL THEOREMS.	X		NO	NO	READING AND REVIEW OF THE CORRESPONDING SECTIONS IN THE BOOK "CALCULUS" BY M. SPIVAK	1,66	6,5
3	6	DISCUSSION AND RESOLUTION OF PROBLEMS		X	NO	NO	RESOLUTION OF THE CORRESPONDING PROBLEMS OF THE LIST	1,66	

4	7	CONTINUITY OF FUNCTIONS. FUNDAMENTAL THEOREMS. UNIFORM CONTINUITY	X		NO	NO	READING AND REVIEW OF THE CORRESPONDING SECTIONS IN THE BOOK "CALCULUS" BY M. SPIVAK	1,66	6,5
4	8	DISCUSSION AND RESOLUTION OF PROBLEMS		X	NO	NO	RESOLUTION OF THE CORRESPONDING PROBLEMS OF THE LIST	1,66	
5	9	**CHAPTER 3**: DERIVATIVES AND THEIR APPLICATIONS DEFINITION. PROPERTIES. DERIVATIVES OF ELEMENTARY FUNCTIONS.	X		NO	NO	READING AND REVIEW OF THE CORRESPONDING SECTIONS IN THE BOOK "CALCULUS" BY M. SPIVAK	1,66	6,5
5	10	DISCUSSION AND RESOLUTION OF PROBLEMS		X	NO	NO	RESOLUTION OF THE CORRESPONDING PROBLEMS OF THE LIST	1,66	
6	11	MEANING OF THE DERIVATIVE. EXTREMA FIRST SELFEVALUATION	X		NO	NO	READING AND REVIEW OF THE CORRESPONDING SECTIONS IN THE BOOK "CALCULUS" BY M. SPIVAK	1,66	6,5
6	12	DISCUSSION AND RESOLUTION OF PROBLEMS		X	NO	NO	RESOLUTION OF THE CORRESPONDING PROBLEMS OF THE LIST	1,66	
7	13	FUNDAMENTAL THEOREMS.	X		NO	NO	READING AND REVIEW OF THE CORRESPONDING SECTIONS IN THE BOOK "CALCULUS" BY M. SPIVAK	1,66	6,5
7	14	DISCUSSION AND RESOLUTION OF PROBLEMS **FIRST PARTIAL EXAM**		X	NO	NO	RESOLUTION OF THE CORRESPONDING PROBLEMS OF THE LIST	1,66	
8	15	**CHAPTER 4**: GRAPHIC REPRESENTATION. MORE APPLICATIONS OF THE DERIVATIVES	X		NO	NO	READING AND REVIEW OF THE CORRESPONDING SECTIONS IN THE BOOK "CALCULUS" BY M. SPIVAK	1,66	6,5
8	16	DISCUSSION AND RESOLUTION OF PROBLEMS		X	NO	NO	RESOLUTION OF THE CORRESPONDING PROBLEMS OF THE LIST	1,66	
9	17	TAYLOR POLYNOMIAL DEFINITON AND PROPERTIES. FUNDAMENTAL POLYNOMIALS.	X		NO	NO	READING AND REVIEW OF THE CORRESPONDING SECTIONS IN THE BOOK "CALCULUS" BY M. SPIVAK	1,66	6,5
9	18	DISCUSSION AND RESOLUTION OF PROBLEMS		X	NO	NO	RESOLUTION OF THE CORRESPONDING PROBLEMS OF THE LIST	1,66	
10	19	TAYLOR'S THEOREM. APPLICATIONS	X		NO	NO	READING AND REVIEW OF THE CORRESPONDING SECTIONS IN THE BOOK "CALCULUS" BY M. SPIVAK	1,66	6,5
10	20	DISCUSSION AND RESOLUTION OF PROBLEMS		X	NO	NO	RESOLUTION OF THE CORRESPONDING PROBLEMS OF THE LIST	1,66	
11	21	**CHAPTER 5**: SEQUENCES AND SERIES OF NUMBERS SEQUENCES OF NUMBERS. LIMITS. NUMERICAL CALCULATION OF ROOTS SECOND SELFEVALUATION	X		NO	NO	READING AND REVIEW OF THE CORRESPONDING SECTIONS IN THE BOOK "CALCULUS" BY M. SPIVAK	1,66	6,5
11	22	DISCUSSION AND RESOLUTION OF PROBLEMS		X	NO	NO	RESOLUTION OF THE CORRESPONDING PROBLEMS OF THE LIST	1,66	
12	23	SERIES OF NUMBERS. CONVERGENCE CRITERIA. ABSOLUTE AND CONDITIONAL CONVERGENCE	X		NO	NO	READING AND REVIEW OF THE CORRESPONDING SECTIONS IN THE BOOK "CALCULUS" BY M. SPIVAK	1,66	6,5

12	24	DISCUSSION AND RESOLUTION OF PROBLEMS **SECOND PARTIAL EXAM**		X	NO	NO	RESOLUTION OF THE CORRESPONDING PROBLEMS OF THE LIST	1,66	
13	25	**CHAPTER 6:** SEQUENCES AND SERIES OF FUNCTIONS SEQUENCES OF FUNCITONS. PUNCTUAL AND UNIFORM CONVERGENCE. SERIES OF FUNCTIONS. PUNCTUAL AND UNIFORM CONVERGENCE	X		NO	NO	READING AND REVIEW OF THE CORRESPONDING SECTIONS IN THE BOOK "CALCULUS" BY M. SPIVAK	1,66	6,5
13	26	DISCUSSION AND RESOLUTION OF PROBLEMS		X	NO	NO	RESOLUTION OF THE CORRESPONDING PROBLEMS OF THE LIST	1,66	
14	27	TAYLOR SERIES	X		NO	NO	READING AND REVIEW OF THE CORRESPONDING SECTIONS IN THE BOOK "CALCULUS" BY M. SPIVAK	1,66	6,5
14	28	DISCUSSION AND RESOLUTION OF PROBLEMS		X	NO	NO	RESOLUTION OF THE CORRESPONDING PROBLEMS OF THE LIST	1,66	
15	29	TUTORIALS	X		NO	NO		1,66	6,5
							Subtotal 1	48,14	97,50
		Total 1 *(Hours of class plus student homework hours between weeks 1-14)*						145,64	

15		TUTORIALS						1,66	
16									
17		TRAINING FOR THE FINAL EXAM						3	
18									7
							Subtotal 2	3	7
		Total 2 *(Hours of class plus student homework hours between weeks 15-18)*						11,66	

TOTAL *(Total 1 + Total 2)*	*157,30*