



**C. U. SHAH UNIVERSITY, Wadhwan City**

**Name of Program : M. Sc.**

**Name of Branch : Mathematics**

**Semester : III**

**W.E.F. – June 2016**

## Teaching and Evaluation Scheme

In **Third and Fourth Semester** student has to learn 5 core subjects/courses. There will be 4 core compulsory courses/subjects and 1 elective core courses/subjects to be taken by a student. There will be a 4 credit course for comprehensive viva and Mathematics presentation. The session work for each course will comprise of 4 formal lectures per week, each of 1 hour duration. Thus a student will be provided 24 hours actual teaching per week.

Sr. No.	Brach Code	Subject Code	Subject Name	Teaching hours/week				Credit	Evaluation Scheme/semester							
				Th	Tu	Pr	Total		Theory				Practical		Total Marks	
									Sessional Exam		University Exam		Internal			University
									Marks	Hrs	Marks	Hrs	Pr	TW		
<b>Compulsory Courses</b>																
1	02	5SC03ARA1	Advanced Real Analysis	4	0	0	4	4	30	1.5	70	3	--	--	--	100
2		5SC03FUA1	Functional Analysis	4	0	0	4	4	30	1.5	70	3	--	--	--	100
3		5SC03MAM1	Mathematical Methods-I	4	0	0	4	4	30	1.5	70	3	--	--	--	100
4		5SC03TRF1	Theories of Ring and Field	4	0	0	4	4	30	1.5	70	3	--	--	--	100
5		5SC03SEV1	Seminar & Viva - Voce	0	4	0	4	4	--	--	--	--	50	--	50	100
<b>Elective Courses</b>																
6	02	5SC03ACA1	Advanced Complex Analysis	4	0	0	4	4	30	1.5	70	3	--	--	--	100
7		5SC03PRS1	Problem Solving - II	4	0	0	4	4	30	1.5	70	3	--	--	--	100
<b>Total:</b>				<b>20</b>	<b>04</b>	<b>00</b>	<b>24</b>	<b>24</b>	<b>150</b>	<b>--</b>	<b>350</b>	<b>--</b>	<b>50</b>	<b>00</b>	<b>50</b>	<b>600</b>

The elective courses (subjects) will be offered only if faculty will be available for that subject and if minimum no. of students (decided by the college) will choose that subject.



**C. U. SHAH UNIVERSITY, Wadhwan City**

**Name of Program : M. Sc.**

**Name of Branch : Mathematics**

**Semester : IV**

**W.E.F. – June 2016**

## Teaching and Evaluation Scheme

Sr. No.	Brach Code	Subject Code	Subject Name	Teaching hours/week				Credit	Evaluation Scheme/semester								
				Th	Tu	Pr	Total		Theory				Practical				Total Marks
									Sessional Exam		University Exam		Internal		University		
									Marks	Hrs	Marks	Hrs	Pr	TW			
<b>Compulsory Courses</b>																	
1	02	5SC04AFA1	Advanced Functional Analysis	4	0	0	4	4	30	1.5	70	3	--	--	--	100	
2		5SC04GRT1	Graph Theory	4	0	0	4	4	30	1.5	70	3	--	--	--	100	
3		5SC04CLM1	Classical Mechanics	4	0	0	4	4	30	1.5	70	3	--	--	--	100	
4		5SC04NUT1	Number Theory	4	0	0	4	4	30	1.5	70	3	--	--	--	100	
5		5SC04SEV1	Seminar & Viva - Voce	0	4	0	4	4	--	--	--	--	50	--	50	100	
<b>Elective Courses</b>																	
6	02	5SC04ADA1	Advanced Algebra	4	0	0	4	4	30	1.5	70	3	--	--	--	100	
7		5SC04BAA1	Banach Algebras	4	0	0	4	4	30	1.5	70	3	--	--	--	100	
8		5SC04MAM1	Mathematical Methods-II	4	0	0	4	4	30	1.5	70	3	--	--	--	100	
9		5SC04OPT1	Operator Theory	4	0	0	4	4	30	1.5	70	3	--	--	--	100	
10		5SC04PRS1	Problem Solving - III	4	0	0	4	4	30	1.5	70	3	--	--	--	100	
<b>Total:</b>				<b>20</b>	<b>04</b>	<b>00</b>	<b>24</b>	<b>24</b>	<b>150</b>	<b>--</b>	<b>350</b>	<b>--</b>	<b>50</b>	<b>00</b>	<b>50</b>	<b>600</b>	

The elective courses (subjects) will be offered only if faculty will be available for that subject and if minimum no. of students (decided by the college) will choose that subject.

### Teaching & Learning Methodology:-

- Faculty member/s shall explain in a class room using black board/white board, multimedia projector, chart, model etc.
- Assignments will be given to students for active learning.