

Vellalar College for Women (Autonomous), Erode - 12.										
Bachelor of Science in Mathematics										
Course Content and Scheme of Examinations (CBCS & OBE Pattern)										
2018 – 2019 and 2019 – 2020 Onwards										
Semester I										
Part	Study Components	Subject Code	Title of the Paper	Inst. Hrs./ Week	Exam. Dur. Hrs.	Max. Marks			Credits	
						CIA	ESE	Total		
I	Language I	18TAMU101/ 18HINU101	Tamil / Hindi	6	3	25	75	100	3	
II	Language II	18ENLU101	English	6	3	25	75	100	3	
III	Core	18MSUC101/ 18MCUC101	Classical Algebra©	4	3	25	75	100	4	
		18MSUC102/ 18MCUC102	Calculus©	5	3	25	75	100	4	
	Allied I	18MSUA101/ 19MCUA101	Statistics for Mathematics - I ©	5	3	20	55	75	4	
		18MSUAP01/ 19MCUAP01	Allied Practical - Mathematical Software - I ©	2	3	-	25	25	1	
IV	Foundation Course A	18FOCU1ES	Environmental Studies	2	3	-	100	100	2	
<b>Total</b>								<b>600</b>	<b>21</b>	
Semester II										
I	Language I	18TAMU202/ 18HINU202	Tamil / Hindi	6	3	25	75	100	3	
II	Language II	18ENLU202	English	6	3	25	75	100	3	
III	Core	18MSUC203/ 18MCUC203	Differential Equations & Laplace Transforms©	4	3	25	75	100	4	
		18MSUC204/ 19MCUC204	Trigonometry , Vector Calculus & Fourier Series©	3	3	20	55	75		3
		18MSUCP01/ 19MCUCP01	Core Practical - Mathematical Software - II ©	2	3	-	25	25		1
	Allied I	18MSUA202/ 19MCUA202	Statistics for Mathematics - II ©	7	3	25	75	100	5	
IV	Foundation Course B	18VEDU2HR	Value Education & Human Rights	2	3	-	100	100	2	
<b>Total</b>								<b>600</b>	<b>21</b>	
© - Common Syllabus for B.Sc., (Mathematics) and B.Sc., (Mathematics with Computer Applications)										

Semester III									
I	Language I	18TAMU202/ 18HINU202	Tamil / Hindi	6	3	25	75	100	3
II	Language II	18ENLU202	English	6	3	25	75	100	3
III	Core	18MSUC305	Analytical Geometry	3	3	25	75	100	4
		18MSUC306	Foundation Course in Mathematics	3	3	25	75	100	4
IV	Allied II	18PHUA303	Allied Physics-I	7	3	20	55	75	4
	Skill Based Subject I	18MSUSP01/ 18MCUSP01	SBS -Practical LaTeX (Cafeteria system)©	3	3	40	60	100	3
				Basic Tamil			-	100	-
	Advanced Tamil			2	3	25	75		
	Non-Major Elective I	18MSUN301	Mathematics for Data Science		3	-	100	100	2
<b>Total</b>								<b>675</b>	<b>23</b>
Semester IV									
I	Language I	18TAMU202/ 18HINU202	Tamil / Hindi	6	3	25	75	100	3
II	Language II	18ENLU202	English	6	3	25	75	100	3
III	Core	18MSUC407	Linear Algebra	3	3	25	75	100	4
		18MSUC408	Real Analysis I	3	3	25	75	100	4
	Allied	18PHUA404	Physics – II (Theory)	4	3	20	55	75	4
		18PHUAP01	Physics – II (Practical)	3	3	20	30	50	2
IV	Skill Based Subject II	15MSUC402/ 15MCUC402	Multiskill Development Paper©	3	1	40	60	100	3
	Basic Tamil					-	100	-	
	Advanced Tamil			2	3	25	75	100	2
	Non-Major Elective II	18MSUN402	Mathematics for All		3	-	100		
<b>Total</b>								<b>725</b>	<b>25</b>

<b>SKILL BASED SUBJECT</b>			
<b>S.No</b>	<b>Subject Code</b>	<b>Title of the Paper</b>	<b>Credits</b>
1	18MSUSP01/18MCUSP01	SBS - Practical LaTeX (Practical) (Cafeteria System)	3
2	15MSUC402/15MCUC402	Multiskill Development Paper (Online exam - Ext : 60)	3
<b>BASIC TAMIL/ADVANCED TAMIL/ NON-MAJOR ELECTIVES</b>			
1	14TMLU301	Basic Tamil *	2
	14TMLU402		2
2	14ADTU301	Advanced Tamil **	2
	14ADTU402		2
3	18MSUN301	Mathematics for Data Science	2
4	18MSUN402	Mathematics for All	2

<b>SELF- LEARNING PAPERS (Optional)</b>					
<b>S.No</b>	<b>Subject Code</b>	<b>Title of the Paper</b>	<b>Exam. Dur.Hrs.</b>	<b>Max.Marks</b>	<b>Credits</b>
1	18MSUSL02	Astronomy	3	100	5
2	15MSUSL15	Scilab (Online exam)	1	100	5

MOOCs Non-ranking Compulsory Credit Course will be introduced in Part V for UG from the Academic Year 2019-20 and onwards