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Baselius College

Kottayam, Kerala – 686 001


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**Syllabus documents of University showing
course details of various programmes**




Principal
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Kottayam

BA ENGLISH LANGUAGE & LITERATURE

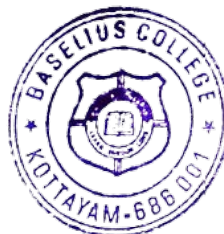



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MAHATMAGANDHIUNIVERSITY
SYLLUBUS FOR ENGLISH LANGUAGE AND LITERATURE (MODEL1)
2017 ADMISSIONSONWARDS
SCHEME

Semester	Title	Course Category/Code	Hours Per Week	Credits	Internal Assessment	External Exam
1	Fine-tune YourEnglish	Common Course-1 EN1CCT01	5	4	20	80
1	Pearls fromthe Deep	Common Course-2 EN1CCT02	4	3	20	80
1	Second Language	Common Course	4	4	20	80
1	Methodologyof Literary Studies	Core Course-1 EN1CRT01	6	4	20	80
1	History/Political Science/ Sociology/ Psychology	ComplementaryCourse	6	4	20	80
2	Issues that Matter	Common Course-3 EN2CCT03	5	4	20	80
2	Savouring the Classics	Common Course-4 EN2CCT04	4	3	20	80
2	Introducing Language and Literature	Core Course -2 EN2CRT02	6	4	20	80
2	Second Language	Common Course	4	4	20	80
2	History /Political Science / Sociology/ Psychology	ComplementaryCourse	6	4	20	80
3	Literature and/as Identity	Common Course-5 EN3CCT05	5	4	20	80
3	Second Language	Common Course	5	4	20	80
3	Harmonyof Prose	Core Course -3 EN3CRT03	4	4	20	80
3	Symphonyof Verse	Core Course -4 EN3CRT04	5	4	20	80
3	Evolution ofLiterary Movements:the Shapers of Destiny	ComplementaryCourse3 - EN3CMT03	6	4	20	80
4	Illuminations	Common Course-6 EN4CCT06	5	4	20	80
4	Second Language	Common Course	5	4	20	80
4	Modes of Fiction	Core Course EN4CRT05	4	4	20	80
4	Language andLinguistics	Core Course-6 EN4CRT06	4	4	20	80
4	Evolution ofLiterary	ComplementaryCourse4	6	4	20	80


	Movements:the Cross Currents of Change	- EN4CMT04				
5	Open Course	EN5CROP01 Appreciating Films EN5CROP02 TheatreStudies EN5CROP03 English forCareers	4	3	20	80
5	Acts on the Stage	Core Course -7 EN5CRT07	6	5	20	80
5	LiteraryCriticismand Theory	Core Course -8 EN5CRT08	5	4	20	80
5	Indian Writing in English	Core Course -9 EN5CRT09	5	4	20	80
5	Environmental Science and Human Rights	Core Course EN5CRENT0	5	4	20	80
6	Choice Based Course	EN6CBT01Comparativ e Literature EN6CBT02 Modern Malayalam Literaturein Translation EN6CBT03 Regional Literatures in Translation EN6CBT04 Voices from the Margins	4	4	20	80
6	PostcolonialLiteratures	Core Course -10 EN6CRT10	5	4	20	80
6	Women Writing	Core Course -11 EN6CRT11	5	4	20	80
6	AmericanLiterature	Core Course -12 EN6CRT12	5	4	20	80
6	Modern World Literature	Core Course -13 EN6CRT13	5	4	20	80
6	Project	EN6PR01	1	2	20	80



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കോഴ്സ് വിവരങ്ങൾ

മോഡൽ 1 ബി.എ.മലയാളം പാഠ്യപദ്ധതി

സെമസ്റ്റർ	കോഴ്സ് കോഡ്	കോഴ്സിന്റെ പേര്	കോഴ്സ് ഇനം	കോഴ്സ് സമയം (ആഴ്ചയിൽ)	ക്രെഡിറ്റ്	മാർക്ക്	
						ഇന്റർമീഡിയറ്റ്	എക്സ്റ്റ്രാ
I	ML1CCT01	കഥാസാഹിത്യം	കോമൺ	4 മണിക്കൂർ	4	20	80
	ML1CRT01	നവീനകവിത	കോർ	4 മണിക്കൂർ	4	20	80
	ML1CMT01	മലയാളപഠനത്തിന്റെ രീതിശാസ്ത്രം	കോംപ്ലിമെന്ററി	4 മണിക്കൂർ	3	20	80
	ML1CMT02	നാടകവും സിനിമയും	കോംപ്ലിമെന്ററി	4 മണിക്കൂർ	3	20	80
II	ML2CCT02	കവിത	കോമൺ	4 മണിക്കൂർ	4	20	80
	ML2CRT02	മലയാളകവിത എഴുത്തച്ഛൻ മുതൽ കവിത്രയം വരെ	കോർ	4 മണിക്കൂർ	4	20	80
	ML2CMT03	ആധുനിക ലോകകവിത	കോംപ്ലിമെന്ററി	4 മണിക്കൂർ	3	20	80
	ML2CMT04	ഫോക്ലോർ വിജ്ഞാനം	കോംപ്ലിമെന്ററി	4 മണിക്കൂർ	3	20	80
III	ML3CCT03	ദൃശ്യകലാസാഹിത്യം	കോമൺ	5 മണിക്കൂർ	4	20	80
	ML3CRT03	കേരളസംസ്കാരം-പൂർവ്വഘട്ടം	കോർ	5 മണിക്കൂർ	4	20	80
	ML3CMT05	ഒരു എഴുത്തുകാരൻ/ എഴുത്തുകാരി -മാധവിക്കുട്ടി	കോംപ്ലിമെന്ററി	4 മണിക്കൂർ	3	20	80
	SC3CMT01	സംസ്കൃതം- Poetry, Rhetorics & Basics of Grammar	കോംപ്ലിമെന്ററി	6 മണിക്കൂർ	4	20	80



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						ഇന്റേണൽ	എക്സ്ട്രേണൽ
IV	ML4CCT04	മലയാളഗദ്യരചനകൾ	കോമൺ	5 മണിക്കൂർ	4	20	80
	ML4CRT04	കേരളസംസ്കാരം-ഉത്തര ഘട്ടം	കോർ	5 മണിക്കൂർ	4	20	80
	ML4CMT06	ആധുനിക മലയാളഭാഷ	കോംപ്ലിമെന്ററി	4 മണിക്കൂർ	3	20	80
	SC3CMT02	സംസ്കൃതം -Prose, Vrutha, Alankara, Theories of Poetics & Grammar	കോംപ്ലിമെന്ററി	6 മണിക്കൂർ	4	20	80
V	ML5CRT05	പരിസ്ഥിതിവിജ്ഞാനവും മനുഷ്യാവകാശപഠനവും	കോർ	4 മണിക്കൂർ	4	20	80
	ML5CRT06	സാഹിത്യമീമാംസ	കോർ	6 മണിക്കൂർ	4	20	80
	ML5CRT07	ചെറുകഥ നോവൽ	കോർ	6 മണിക്കൂർ	4	20	80
	ML5CRT08	ഭാഷാശാസ്ത്രം	കോർ	5 മണിക്കൂർ	4	20	80
	ഓപ്പൺ കോഴ്സ്		ഓപ്പൺ	4 മണിക്കൂർ	3	20	80
	ML5OPT01	പത്രപ്രവർത്തനം					
	ML5OPT02	മാധ്യമപഠനം					
	ML5OPT03	ചലച്ചിത്രസാമ്രാജ്യവും തിരക്കഥാരചനയും					
VI	ML6CRT09	കേരളീയദൃശ്യകല	കോർ	5 മണിക്കൂർ	4	20	80
	ML6CRT10	പ്രാചീനസാഹിത്യം	കോർ	5 മണിക്കൂർ	4	20	80
	ML6CRT11	ഗദ്യസാഹിത്യം നിരൂപണം	കോർ	5 മണിക്കൂർ	4	20	80
	ML6CRT12	വ്യാകരണം, ഭാഷാചരിത്രം	കോർ	5 മണിക്കൂർ	4	20	80
	കോർ ഇലക്ടീവ്		ഇലക്ടീവ്	5 മണിക്കൂർ	4	20	80
	ML6CBT01	മലയാളത്തിലെ സ്ത്രീരചനകൾ					
	ML6CBT02	മുദ്രസമവിജ്ഞാനീയം					
	ML6CBT03	സംസ്കാരപഠനം					
ML6PRT01	പ്രോജക്ട്	പ്രോജക്ട്		1	20	80	



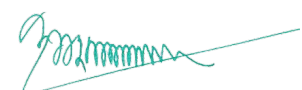
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കോഴ്സ് വിവരങ്ങൾ

മോഡൽ 2 ബി.എ.മലയാളം പാഠ്യപദ്ധതി


സെമസ്റ്റർ	കോഴ്സ് കോഡ്	കോഴ്സിന്റെ പേര്	കോഴ്സ് ഇനം	കോഴ്സ് സമയം (ആഴ്ചയിൽ)	ക്രെഡിറ്റ്	മാർക്ക്	
						ഇന്റേണൽ	എക്സ്റ്റേണൽ
I	ML1CCT07	കഥ നോവൽ	കോമൺ	5 മണിക്കൂർ	4	20	80
	ML1CRT01	നവീനകവിത	കോർ	5 മണിക്കൂർ	4	20	80
	ML1VOT01	പരസ്യകലയും പരസ്യഭാഷയും	വൊക്കേഷണൽ (കോപ്പി റൈറ്റിങ്)	5 മണിക്കൂർ	4	20	80
	ML1VOT02	പ്രസാധനപരിചയം	വൊക്കേഷണൽ (കോപ്പി എഡിറ്റിങ്)				
	ML1CMT02	നാടകവും സിനിമയും	കോംപ്ലിമെന്ററി	5 മണിക്കൂർ	4	20	80
II	ML2CCT08	കവിതയും നാടകവും	കോമൺ	5 മണിക്കൂർ	4	20	80
	ML2CRT02	മലയാളകവിത എഴുത്തച്ഛൻ മുതൽ കവിത്രയം വരെ	കോർ	5 മണിക്കൂർ	4	20	80
	ML2VOT03	പരസ്യവും ആശയവിനിമയവും	വൊക്കേഷണൽ (കോപ്പി റൈറ്റിങ്)	5 മണിക്കൂർ	4	20	80
	ML2VOT04	കോപ്പി എഡിറ്റിംഗ്	വൊക്കേഷണൽ (കോപ്പി എഡിറ്റിങ്)				
	ML2CMT04	ഫോക്ലോർ വിജ്ഞാനം	കോംപ്ലിമെന്ററി	5 മണിക്കൂർ	4	20	80
	ML2VOT05	ജേണലിസം ലക്ഷ്യവും ചരിത്രവും	വൊക്കേഷണൽ (കോപ്പി റൈറ്റിങ്)				
III	ML3CRT03	കേരളസംസ്കാരം-പൂർവ്വഘട്ടം	കോർ	5 മണിക്കൂർ	4	20	80
	ML3VOT06	പരസ്യവും മാനേജ്മെന്റ് തത്വങ്ങളും	വൊക്കേഷണൽ (കോപ്പി റൈറ്റിങ്)	5 മണിക്കൂർ	4	20	80
	ML3VOT07	പ്രസാധനവും മലയാളസാഹിത്യവും	വൊക്കേഷണൽ (കോപ്പി എഡിറ്റിങ്)				
	ML3CMT05	ഒരു എഴുത്തുകാരൻ/ എഴുത്തുകാരി -മാധവികൂട്ടി	കോംപ്ലിമെന്ററി	5 മണിക്കൂർ	4	20	80
	ML3VOT08	MS Word & Pagemaker	വൊക്കേഷണൽ (കോപ്പി എഡിറ്റിങ് & കോപ്പി റൈറ്റിങ്)	5 മണിക്കൂർ	4	20	80




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						ഇന്റേണൽ	എക്സ്റ്റേണൽ
IV	ML4CRT04	കേരളസംസ്കാരം-ഉത്തരഘട്ടം	കോർ	5 മണിക്കൂർ	4	20	80
	ML4VOT09	ദൃശ്യശ്രാവ്യ നവമാധ്യമപ്രവർത്തനം	വൊക്കേഷണൽ (കോപ്പി റൈറ്റിങ്)	5 മണിക്കൂർ	4	20	80
	ML4VOT10	ഉപന്യാസരചന	വൊക്കേഷണൽ (കോപ്പിഎഡിറ്റിങ്)				
	ML4VOT11	Photoshop, Corel Draw & DTP	വൊക്കേഷണൽ (കോപ്പിഎഡിറ്റിങ് & കോപ്പി റൈറ്റിങ്)	5 മണിക്കൂർ	4	20	80
	ML4OJT01	OJT Project & Report	വൊക്കേഷണൽ (കോപ്പിഎഡിറ്റിങ് & കോപ്പി റൈറ്റിങ്)	5 മണിക്കൂർ	4	20	80
V	ML5CRT05	പരിസ്ഥിതിവിജ്ഞാനവും മനുഷ്യാവകാശപഠനവും	കോർ	5 മണിക്കൂർ	4	20	80
	ML5CRT06	സാഹിത്യമീമാംസ	കോർ	5 മണിക്കൂർ	4	20	80
	ML5CRT07	ചെറുകഥ നോവൽ	കോർ	5 മണിക്കൂർ	4	20	80
	ML5CRT08	ഭാഷാശാസ്ത്രം	കോർ	5 മണിക്കൂർ	4	20	80
	ഓപ്പൺ കോഴ്സ്		ഓപ്പൺ	5 മണിക്കൂർ	4	20	80
	ML5OPT01	പത്രപ്രവർത്തനം					
	ML5OPT02	മാധ്യമപഠനം					
ML5OPT03	ചലച്ചിത്രസാദനവും തിരക്കഥാരചനയും						
VI	ML6CRT09	കേരളീയ ദൃശ്യകല	കോർ	5 മണിക്കൂർ	4	20	80
	ML6CRT10	പ്രാചീനസാഹിത്യം	കോർ	5 മണിക്കൂർ	4	20	80
	ML6CRT11	മലയാളനിരൂപണം	കോർ	5 മണിക്കൂർ	4	20	80
	ML6CRT12	വ്യാകരണം ഭാഷാചരിത്രം	കോർ	5 മണിക്കൂർ	4	20	80
	കോർ ഇലക്ടീവ്		ഇലക്ടീവ്	5 മണിക്കൂർ	4	20	80
	ML6CBT01	മലയാളത്തിലെ സ്ത്രീരചനകൾ					
	ML6CBT02	മാധ്യമവിജ്ഞാനീയം					
	ML6CBT03	സംസ്കാരപഠനം					




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കോഴ്സ് വിവരങ്ങൾ

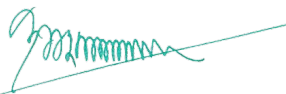
മോഡൽ 1 ബി.കോം കോമൺ കോഴ്സ്

സെമസ്റ്റർ	കോഴ്സ് കോഡ്	കോഴ്സിന്റെ പേര്	കോഴ്സ് ഇനം	കോഴ്സ് സമയം (ആഴ്ചയിൽ)	ക്രെഡിറ്റ്	മാർക്ക്	
						ഇന്റേണൽ	എക്സ്റ്റേണൽ
I	ML1CCT05	കഥയും കവിതയും	കോമൺ	4 മണിക്കൂർ	4	20	80
II	ML2CCT06	ആത്മകഥ, ലേഖനം	കോമൺ	4 മണിക്കൂർ	4	20	80

മോഡൽ 2 ബി.എസ്സി കോമൺ കോഴ്സ്

സെമസ്റ്റർ	കോഴ്സ് കോഡ്	കോഴ്സിന്റെ പേര്	കോഴ്സ് ഇനം	കോഴ്സ് സമയം (ആഴ്ചയിൽ)	ക്രെഡിറ്റ്	മാർക്ക്	
						ഇന്റേണൽ	എക്സ്റ്റേണൽ
I	ML1CCT09	കഥ കവിത	കോമൺ	5 മണിക്കൂർ	4	20	80
II	ML2CCT10	ഗദ്യപരിചയം	കോമൺ	5 മണിക്കൂർ	4	20	80




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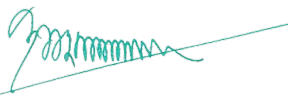
മോഡൽ 2 ബി.കോം കോമൺ കോഴ്സ്

സെമസ്റ്റർ	കോഴ്സ് കോഡ്	കോഴ്സിന്റെ പേര്	കോഴ്സ് ഇനം	കോഴ്സ് സമയം (ആഴ്ചയിൽ)	ക്രെഡിറ്റ്	മാർക്ക്	
						ഇന്റേണൽ	എക്സ്ട്രേണൽ
I	ML1CCT11	കഥ, കവിത, നാടകം	കോമൺ	5 മണിക്കൂർ	4	20	80
II	ML2CCT12	ഗദ്യം, യാത്രാവിവരണം	കോമൺ	5 മണിക്കൂർ	4	20	80

മോഡൽ 2 ബി.എ.ഹിസ്റ്ററി കോംപ്ലിമെന്ററി കോഴ്സ്

സെമസ്റ്റർ	കോഴ്സ് കോഡ്	കോഴ്സിന്റെ പേര്	കോഴ്സ് ഇനം	കോഴ്സ് സമയം (ആഴ്ചയിൽ)	ക്രെഡിറ്റ്	മാർക്ക്	
						ഇന്റേണൽ	എക്സ്ട്രേണൽ
III	ML3CMT07	സാഹിത്യവും ചരിത്രവും	കോംപ്ലിമെന്ററി	5 മണിക്കൂർ	4	20	80
IV	ML4CMT08	ഭാഷയും ആധുനികീകരണവും	കോംപ്ലിമെന്ററി	5 മണിക്കൂർ	4	20	80




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മോഡൽ 1 പാഠ്യപദ്ധതി കോമൺ കോഴ്സ്

1-4 സെമസ്റ്ററുകൾ

ബി.എ./ബി.എസ്സി.

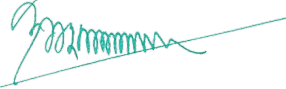
- സെമസ്റ്റർ 1 - കമാസാഹിത്യം
- സെമസ്റ്റർ 2 - കവിത
- സെമസ്റ്റർ 3 - ദൃശ്യകലാസാഹിത്യം
- സെമസ്റ്റർ 4 - മലയാളഗദ്യരചനകൾ

ബി.കോം

- സെമസ്റ്റർ 1 - കഥയും കവിതയും
- സെമസ്റ്റർ 2 - ആത്മകഥ, ലേഖനം




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BA ECONOMICS




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Detailed Distribution of Courses

Semester	Title of the Course	Hours/ Week	Credit
1	English 1	5	4
	English Common 1	4	3
	Second Language 1	4	4
	Perspectives & Methodology of Economics	6	4
	Complementary 1	6	4
2	English 2	5	4
	English Common 2	4	3
	Second Language 2	4	4
	Micro Economic Analysis-I	6	5
	Complementary 2	6	4
3	English 3	5	4
	Second Language common 1	5	4
	Micro Economic Analysis -II	4	4
	Economics of Growth and Development	5	4
	Complementary 3	6	4
4	English 4	5	4
	Second language Common 2	5	4
	Macro Economics-I	5	4
	Public Economics	4	4
	Complementary 4	6	4
5	Quantitative Techniques	6	4
	Macro Economics-II	6	5
	Open course**	4	3
	Environmental Economics	5	4
	Introductory econometrics	4	4
6	Quantitative Methods	6	4
	International economics	5	4
	Choice-based course**	4	3
	Money & financial Markets	5	4
	Indian Economy	5	4
	Project*	-	2
	Total	150	120

* Project internal and external evaluation should be done only in the 6th semester.

** One course to be selected from the list of Open Courses for semester V & One course from the list of Choice Based Electives for Semester VI. It is common to Model II & III.



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B.A. Economics Programme– Model - I
Core, Complementary, Open and Choice-Based
Courses

Sem.	Core Papers	Course Code	Exam	T.H*	Cr.*	Total marks-100	
						Int.*	Ext.*
S1	Perspectives and Methodology of Economics	EC1CRT01	S1	6	4	20	80
	Complementary 1	EC1CMT01	S1	6	4	20	80
S2	Core 2- Micro Economic Analysis 1	EC2CRT02	S2	6	5	20	80
	Complementary 2	EC2CMT02	S2	6	4	20	80
S3	Core 3- Micro Economic Analysis- II	EC3CRT03	S3	4	4	20	80
	Core 4-Economics of Growth & Development	EC3CRT04	S3	5	4	20	80
	Complementary 3	EC3CMT01	S3	6	4	20	80
S4	Core 5-Macro Economics-I	EC4CRT05	S4	5	4	20	80
	Core 6-Public Economics	EC4CRT06	S4	4	4	20	80
	Complementary4	EC4CMT02	S4	6	4	20	80
S5	Core 7-Quantitative Techniques	EC5CRT07	S5	6	4	20	80
	Core 8-Macro Economics-II	EC5CRT08	S5	6	5	20	80
	Open course	EC5OPT01/2/3	S5	4	3	20	80
	Core9-Enviornmental Economics	EC5CRT09	S5	5	4	20	80
	Core10- Introductory Econometrics	EC5CRT10	S5	4	4	20	80
S6	Core 11 –Quantitative Methods	EC6CRT11	S6	6	4	20	80
	Core 12-International Economics	EC6CRT12	S6	5	4	20	80
	Choice based Elective	EC6CBT1/2/3	S6	4	3	20	80
	Core-13 Money & Financial markets	EC6CRT13	S6	5	4	20	80
	Core-14 Indian Economy	EC6CRT14	S6	5	4	20	80
	Project	EC6PR01			2	20	80

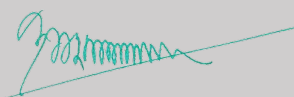
Broad Title of Courses *T.H- Teaching Hours per week, Cr.-Credits, Int.-Internal Evaluation and Ext.-External Examination



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BA POLITICAL SCIENCE




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**B.A. (POLITICAL SCIENCE)
MODEL I – CONVENTIONAL PROGRAMME**

SCHEME AND SYLLABUS

The U.G. programme shall include

- (a) Common courses I&II
- (b) Core Courses
- (c) Open Courses
- (d) Core-Choice based
- (c) Complementary/ Vocational Courses

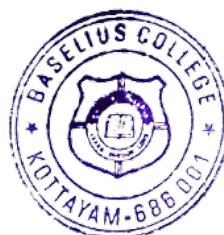
CORE COURSES

Core I.	Methodology and Perspectives of Political Science.	PS1CRT01
Core II.	Indian Constitution: Institutions and Processes.	PS2CRT02
Core III.	Issues and Political Processes in Modern India.	PS3CRT03
Core IV.	Political Thought: Indian Traditions.	PS3CRT04
Core V.	Introduction to Political Theory.	PS4CRT05
Core VI.	Political Thought: Western Traditions.	PS4CRT06
Core VII.	Theories and Principles of Public Administration.	PS5CRT07
Core VIII.	Environmental Studies and Human Rights.	PS5CRT08
Core IX.	Methodology of Research in Political Science.	PS5CRT09
Core X.	Introduction to International Relations.	PS5CRT10
Core XI.	Comparative Politics.	PS6CRT11
Core XII.	Society, State and Political Processes in Kerala.	PS6CRT12
Core XIII.	Issues in International Politics.	PS6CRT13
Core XIV.	Human Rights.	PS6CRT14

Open Courses-(V Semester)

Colleges can choose any one open course from the following list:

I.	Contemporary Issues in Indian Politics.	PS5OPT01
II.	Women in Indian Democracy.	PS5OPT02
III.	Government and Politics in Kerala.	PS5OPT03
IV.	Human Rights in India.	PS5OPT04
V.	Introduction to Defence and Strategic Studies.	PS5OPT05



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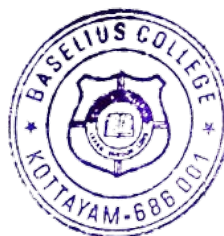
Core -Choice Based Courses (VI Semester)


Colleges can choose one Core – Choice Based Course from the following list:

I.	India's Foreign policy.	PS6CBT01
II.	Governance: Problems and Prospects.	PS6CBT02
III.	International Organizations and World Affairs.	PS6CBT03
IV.	Decentralized Democracy.	PS6CBT04
V.	Contemporary Political Economy.	PS6CBT05

Complementary Courses for other BA Programmes.

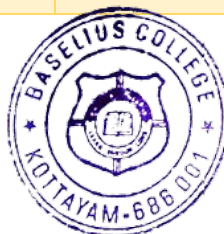
I.	An Introduction to Political Science.	PS3CMT01
	or	
II.	Indian Political Thought.	PS3CMT02
III.	Contemporary Global Politics.	PS4CMT03
	or	
IV.	Rights and Human Rights in India.	PS4CMT04
	or	
V.	Indian Constitution: Social Issues in India.	PS4CMT05




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**B A POLITICAL SCIENCE-MODEL-I
COMMON, CORE, COMPLEMENTARY, CHOICE BASED, OPEN COURSES**

Semester	Common/Core/Choice Based/Complementary Papers	Exam	Teaching hours	Credits	Marks internal	External
S1	1. Common Course English 1	S1	5	4	20	80
	2. Common Course English 2	S1	4	3	20	80
	3. Common Course Second language 1	S1	4	4	20	80
	4. Core I Methodology and Perspectives of Political Science	S1	6	5	20	80
	5 Complementary 1	S1	6	4	20	80
S2	6 Common Course English 3	S2	5	4	20	80
	7 Common Course-English 4	S2	4	3	20	80
	8 Common Course Second language 2	S2	4	4	20	80
	9 Core II Indian Constitution: Institutions and Process	S2	6	4	20	80
	10 Complementary II	S2	6	4	20	80
S3	11 Common Course English 5	S3	5	4	20	80
	12 Common Course Second language 3	S3	5	4	20	80
	13 Core III Issues and Political Process in Modern India	S3	4	4	20	80
	14 Core IV Political Thought: Indian Traditions.	S3	5	4	20	80
	15 Complementary 3	S3	6	4	20	80
S4	16 Common Course English 6	S4	5	4	20	80
	17 Common Course Second language 4	S4	5	4	20	80



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	18 Core V Introduction to Political Theory	S4	5	4	20	80
	19 Core VI Political Thought: Western Traditions	S4	4	4	20	80
	20 Complementary 4	S4	6	4	20	80
S5	21 Core VII Theories and Principles of Public Administration	S5	6	4	20	80
	22 Core VIII Environmental Studies and Human Rights	S5	5	4	20	80
	23 Core IX Methodology of Research in Political Science	S5	5	4	20	80
	24 Core X Introduction to International Relations	S5	5	4	20	80
	25 Open Course	S5	4	3	20	80
S6	26 Core XI Comparative Politics.	S6	5	4	20	80
	27 Core XII Society, State and Political Process in Kerala.	S6	5	4	20	80
	28 Core XIII Issues in International Politics.	S6	5	4	20	80
	29 Core XIV Human Rights.	S6	5	4	20	80
	30 Core- Choice Based	S6	4	4	20	80
	31 Project	S6	1	2	20	80
	Total Credits			120		



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B.SC. MATHEMATICS



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CURRICULUM FOR B.Sc MATHEMATICS MODEL

I (UGCBCS 2017)

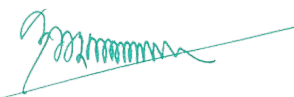
Course Structure

Total Credits:-120 (Eng:22+S.Lang:16+Complementary:28+open:4+Core:51)

Total hours:-150 (Eng:28+S.Lang:18+Complementary:36+open:4+Core:65)

Sl: No	Semester	Papers	Hours	Credits	Internal Marks	External Marks	Total Marks
1	I	English I	5	4	20	80	100
		English /Common course I	4	3	20	80	100
		Second Language I	4	4	20	80	100
		Mathematics Core Course - 1	4	3	20	80	100
		Complimentary1 Course - 1 (Statistics)	4	3	20	80	100
		Complimentary 2 Course – 1 (Physics Theory/ Computer)	2 (T) 2 (P)	2 0	10	60	70
	Total			25	19		
2	II	English II	5	4	20	80	100
		English /Common course II	4	3	20	80	100
		Second Language II	4	4	20	80	100
		Mathematics Core Course- 2	4	3	20	80	100
		Complimentary1 Course –II (Statistics)	4	3	20	80	100
		Complimentary2 Course-II (Physics/ Computer)	2 (T) 2 (P)	2 2	10 20	60 40	70 60
	Total			25	21		




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3	III	English III	5	4	20	80	100
		Sec. Lang./Common course I	5	4	20	80	100
		Mathematics Core Course – 3	5	4	20	80	100
		Complimentary1 Course – II (Statistics)	5	4	20	80	100
		Complimentary2 Course –II (Physics Theory/ Computer)	3 (T)	3	10	60	70
	2 (P)		0				
Total		25	19			470	
4	IV	English IV	5	4	20	80	100
		Sec. Lang./Common courseII	5	4	20	80	100
		Mathematics Core Course – 4	5	4	20	80	100
		Complimentary1 Course III	5	4	20	80	100
		Complimentary2 Course III (Physics/ Computer)	3 (T)	3	10	60	70
	2 (P)		2	20	40	60	
Total		25	21			530	
5	V	Mathematics Core Course – 5	6	4	20	80	100
		Mathematics Core Course – 6	6	4	20	80	100
		Mathematics Core Course – 7	5	4	20	80	100
		Human Rights and Mathematics for Environmental studies	4	4	20	80	100
		Open Course	4	3	20	80	100
	Total		25	19			500
6	VI	Mathematics Core Course – 9	5	4	20	80	100
		Mathematics Core Course-10	6	4	20	80	100
		Mathematics Core Course-11	5	4	20	80	100
		Mathematics Core Course-12	5	4	20	80	100
		Choice Based Course	4	3	20	80	100
		Project	0	2	20	80	100
	Total		25	21			600



English:

Semester	Title of the Course	Number of hours per week	Total Credits	Total hours/ semester	University Exam Duration	Marks	
						Internal	External
1	English I	5	4	90	3 hrs	20	80
	English /Common course I	4	3	72	3 hrs	20	80
2	English II	5	4	90	3 hrs	20	80
	English /Common course II	4	3	72	3 hrs	20	80
3	English III	5	4	90	3 hrs	20	80
4	English - IV	5	4	90	3 hrs	20	80

Second Language:

Semester	Title of the Course	Number of hours per week	Total Credits	Total hours/ semester	University Exam Duration	Marks	
						Internal	External
1	Second Language I	4	4	72	3 hrs	20	80
2	Second Language II	4	4	72	3 hrs	20	80
3	Sec. Lang./ Common course I	5	4	90	3 hrs	20	80
4	Sec. Lang./ Common course II	5	4	90	3 hrs	20	80



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MATHEMATICS CORE COURSES

Semester	Title of the Course	Number Of hours	Total Credits	Total hours/ semester	University Exam Duration	Marks	
						Internal	External
I	MM1CRT01: Foundation of Mathematics	4	3	72	3 hrs	20	80
II	MM2CRT01: Analytic Geometry, Trigonometry and Differential Calculus	4	3	72	3 hrs	20	80
III	MM3CRT01: Calculus	5	4	90	3 hrs	20	80
IV	MM4CRT01: Vector Calculus, Theory of Numbers and Laplace transforms	5	4	90	3 hrs	20	80
V	MM5CRT01: Mathematical Analysis	6	4	108	3 hrs	20	80
	MM5CRT02: Differential Equations	6	4	108	3 hrs	20	80
	MM5CRT03: Abstract Algebra	5	4	90	3 hrs	20	80
	Human rights and Mathematics for Environmental Studies.	4	4	72	3 hrs	20	80
	Open course	4	3	72	3 hrs	20	80
VI	MM6CRT01 : Real Analysis	5	4	90	3 hrs	20	80
	MM6CRT02: Graph Theory and metric spaces	6	4	108	3 hrs	20	80
	MM6CRT03 : Complex Analysis	5	4	90	3 hrs	20	80
	MM6CRT04 : Linear Algebra	5	4	90	3 hrs	20	80
	Choice Based Course	4	4	72	3 hrs	20	80
	MM6PRT01 : Project	-	2	-	-	20	80



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OPEN COURSE DURING THE FIFTH SEMESTER

Title of the Course	No. of contact hrs/week	No. of Credit	Duration of Exam
MM5OPT01: History of Indian Mathematics	4	3	3 hrs
MM5OPT02: Applicable Mathematics	4	3	3 hrs
MM5GET03: Mathematical Economics	4	3	3 hrs

CHOICE BASED COURSE DURING THE SIXTH SEMESTER


Title of the Course	No. of contact hrs/week	No. of Credit	Duration of Exam
MM6CBT01: Operations Research	4	3	3 hrs
MM6CBT02: Basic Python Programming And Typesetting in LaTeX	4	3	3 hrs
MM6CBT03: Numerical Analysis	4	3	3 hrs




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B.SC. PHYSICS




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7. CONSOLIDATED SCHEME FOR I TO VI SEMESTERS

7.1 B. Sc. Physics Programme – (Model I)

Semester	Title of the Course	Hours/week	Credits	Total hrs	Marks		
					IA	EA	
1	English (Common Course I) EN1CCT01 – Fine Tune Your English	5	4	90	20	80	
	English (Common Course II) EN1CCTO2 – Pearls From the Deep	4	3	72	20	80	
	Second Language I	4	4	72	20	80	
	PH1CRT01 - Methodology and Perspectives of Physics	2	2	36	15	60	
	Complementary I: Mathematics I	4	3	72	20	80	
	Complementary II	Chemistry I or Electronics I	2	2	36	15	60
		Or Statistics I (No Practical)**	4	3	72	20	80
	Core Practical I: PH2CRP01 Mechanics and Properties of Matter	2	-	36	-	-	
	Complementary II Practical I (Chemistry or Electronics)	2	-	36	-	-	
2	English (Common Course III) EN2CCT03 – Issues that Matter	5	4	90	20	80	
	English (Common Course IV) EN2CCTO4 – Savouring the Classics	4	3	72	20	80	
	Second Language II	4	4	72	20	80	
	PH2CRT02 – Mechanics and Properties of Matter	2	2	36	15	60	
	Complementary I: Mathematics II	4	3	72	20	80	
	Complementary II:	Chemistry II or Electronics II	2	2	36	15	60
		Or Statistics II**	4	3	72	20	80
	Core Practical I: PH2CRP01 Mechanics and Properties of Matter	2	2	36	10	40	
	Complementary II Practical I (Chemistry or Electronics)	2	2	36	10	40	



	Electronics)						
3	English (Common Course V) EN3CCTO5 – Literature and / as Identity	5	4	90	20	80	
	Second Language III	5	4	90	20	80	
	PH3CRT03 – Optics, Laser and Fiber Optics	3	3	54	15	60	
	Complementary I: Mathematics III	5	4	90	20	80	
	Complementary II:	Chemistry III or Electronics III	3	3	54	15	60
		Or Statistics III**	5	4	90	20	80
	Core Practical II: PH4CRP02 Optics and Semiconductor Physics	2	-	36	-	-	
Complementary II Practical II (Chemistry or Electronics)	2	-	36	-	-		
4	English (Common Course VI) EN4CCTO6 - Illuminations	5	4	90	20	80	
	Second Language IV	5	4	90	20	80	
	PH4CRT04- Semiconductor Physics	3	3	54	15	60	
	Complementary I: Mathematics IV	5	4	90	20	80	
	Complementary II:	Chemistry IV or Electronics IV	3	3	54	15	60
		Or Statistics IV**	5	4	90	20	80
	Core Practical II: PH4CRP02 Optics and Semiconductor Physics	2	2	36	10	40	
Complementary II Practical II (Chemistry or Electronics)	2	2	36	10	40		
5	PH5CRT05 – Electricity and Electrodynamics	3	3	54	15	60	
	PH5CRT06 – Classical and Quantum Mechanics	3	3	54	15	60	
	PH5CRT07 –Digital Electronics and Programming	3	3	54	15	60	
	PH5CRT08 – Environmental Physics and Human Rights	4	4	72	15	60	
	PH5OPT0X* -Open Course	4	3	72	20	80	
	Core Practical III: PH6CRP03 Electricity, Magnetism and Laser	2	-	36	-	-	
	Core Practical IV: PH6CRP04 Digital Electronics	2	-	36	-	-	
	Core Practical V: PH6CRP05 Thermal Physics, Spectroscopy and C++ programming	2	-	36	-	-	
	Core Practical VI: PH6CRP06	2	-	36	-	-	



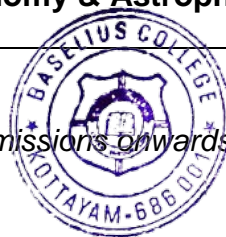
	Acoustics, Photonics and Advanced Semiconductor Physics					
6	PH6CRT09- Thermal and Statistical Physics	3	3	54	15	60
	PH6CRT10 --Relativity and Spectroscopy	4	3	72	15	60
	PH6CRT11 – Nuclear, Particle and Astrophysics	3	3	54	15	60
	PH6CRT12- Solid State Physics	4	3	72	15	60
	PH6CBT0X *-Choice Based Course	3	3	54	20	80
	Core Practical III: PH6CRP03 Electricity, Magnetism and Laser	2	2	36	10	40
	Core Practical IV: PH6CRP04 Digital Electronics	2	2	36	10	40
	Core Practical V: PH6CRP05 Thermal Physics, Spectroscopy and C++ programming	2	2	36	10	40
	Core Practical VI: PH6CRP06 Acoustics, Photonics and Advanced Semiconductor Physics	2	2	36	10	40
PH6PRO01 – Project and Industrial Visit	-	1	-	20	80	

*- X Stands for 1, 2, 3, ... depending upon Open course and Choice based course

** Complementary II : Statistics has only theory papers.

Choice Based Course


Sl. No.	Paper Code	Semester	Paper Title
1	PH6CBT01	VI	IT
2	PH6CBT02	VI	Material Science
3	PH6CBT03	VI	Computational Physics
4	PH6CBT04	VI	Instrumentation
5	PH6CBT05	VI	Astronomy & Astrophysics



Open Course


Sl. No.	Paper Code	Semester	Paper Title
1	PH5OPT01	V	Our Universe
2	PH5OPT02	V	Physics in Daily Life
3	PH5OPT03	V	Computer Hardware and Networking




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B.SC. CHEMISTRY



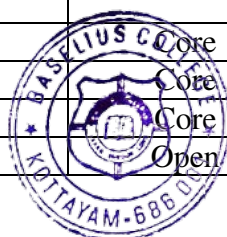

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CONSOLIDATED SCHEME FOR I TO VI SEMESTERS PROGRAMME STRUCTURE

1. BSC CHEMISTRY PROGRAMME – (MODEL - I)

Sem	Title with Course code	Course Category	Hours per week	Credits
I	English I	Common	5	4
	English/ Common Course I	Common	4	3
	Second Language I	Common	4	4
	CHICRT01 General and Analytical Chemistry	Core	2	2
	CH2CRP01 Volumetric Analysis	Core	2	-
	Complementary Mathematics	Complementary	4	3
	Complementary Physics	Complementary	2	2
	Complementary Physics Practical	Complementary	2	-
II	English II	Common	5	4
	English/ Common Course II	Common	4	3
	Second Language II	Common	4	4
	CH2CRT02 Theoretical and Inorganic Chemistry	Core	2	2
	CH2CRP01 Volumetric Analysis	Core	2	2
	Complementary Mathematics	Complementary	4	3
	Complementary Physics	Complementary	2	2
	Complementary Physics Practical	Complementary	2	2
III	English III	Common	5	4
	II Lang/Common Course I	Common	5	4
	CH3CRT03 Organic Chemistry-I	Core	3	3
	CH4CRP02 Qualitative Organic Analysis	Core	2	-
	Complementary Mathematics	Complementary	5	4
	Complementary Physics	Complementary	3	3
	Complementary Physics Practical	Complementary	2	-
IV	English IV	Common	5	4
	II Lang/ Common Course II	Common	5	4
	CH4CRT04 Organic Chemistry-II	Core	3	3
	CH4CRP02 Qualitative Organic Analysis	Core	2	2
	Complementary Mathematics	Complementary	5	4
	Complementary Physics	Complementary	3	3
	Complementary Physical Practical	Complementary	2	2
V	CH5CRT05 Environmental Studies and Human Rights	Core	4	4
	CH5CRT06 Organic Chemistry-III	Core	3	3
	CH5CRT07 Physical Chemistry - I	Core	2	2
	CH5CRT08 Physical Chemistry - II	Core	2	2
	CH5OPT Open course	Open	2	2



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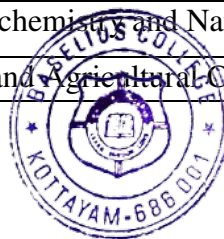
	CH6CRP03 Qualitative Inorganic Analysis	Core	3	-
	CH6CRP04 Organic Preparations and Basic Laboratory Techniques	Core	2	-
	CH6CRP05 Physical Chemistry Practical	Core	3	-
	CH6PRP01 Project	Core	2	-
VI	CH6CRT09 Inorganic Chemistry	Core	3	3
	CH6CRT10 Organic Chemistry-IV	Core	3	3
	CH6CRT11 Physical Chemistry - III	Core	3	3
	CH6CRT12 Physical Chemistry - IV	Core	3	3
	CH6CBT Choice Based Course	Core	3	3
	CH6CRP03 Qualitative Inorganic Analysis	Core	3	2
	CH6CRP04 Organic Preparations and Basic Laboratory Techniques	Core	2	2
	CH6CRP05 Physical Chemistry Practical	Core	3	2
	CH6CRP06 Gravimetric Analysis	Core	2	2
	CH6PR01 Project & Industrial visit and comprehensive viva-voce	Core	-	2

OPEN COURSES:

Sl. No.	Semester	Course Code	Course Title
1	V	CH5OPT01	Chemistry in Everyday Life
2	V	CH5OPT02	Nanoscience and Nanotechnology
3	V	CH5OPT03	Forensic Science

CHOICE BASED COURSES:


Sl. No.	Semester	Course Code	Course Title
1	VI	CH6CBT01	Polymer Chemistry
2	VI	CH6CBT02	Nanochemistry and Nanotechnology
3	VI	CH6CBT03	Soil and Agricultural Chemistry



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B Sc BOTANY PROGRAMME – MODEL I

SEMESTER-WISE DISTRIBUTION OF COURSES AND CREDITS

Course Title	Hrs/ week	Credits	Course Title	Hrs/ week	Credits
SEMESTER I			SEMESTER II		
Common course – English 1	5	4	Common course – English 3	5	4
Common course – English 2	4	3	Common course – English 4	4	3
Common course – Additional language course 1	4	4	Common course – Additional language course 2	4	4
Core course 1 + Practical	4	3	Core course 2 + Practical	4	3
st 1 Complementary course – Zoology course 1 + Practical	4	3	st 1 Complementary course – Zoology course 2 + Practical	4	3
nd 2 Complementary course – Chemistry/Biochemistry course 1 + Practical	4	3	nd 2 Complementary course - Chemistry/Biochemistry course 2 + Practical	4	3
Total	25	20	Total	25	20
SEMESTER III			SEMESTER IV		
Common course – English 5	5	4	Common course – English 6	5	4
Common course – Additional language course 3	5	4	Common course – Additional language course 4	5	4
Core course 3 + Practical	5	4	Core course 4 + Practical	5	4
st 1 Complementary course – Zoology course 3 + Practical	5	4	st 1 Complementary course – Zoology course 4 + Practical	5	4
nd 2 Complementary course – Chemistry/Biochemistry course 3 + Practical	5	4	nd 2 Complementary course – Chemistry/Biochemistry course 4 + Practical	5	4
Total	25	20	Total	25	20
SEMESTER V			SEMESTER VI		
Core course 5 + Practical	5	4	Core course 9 + Practical	5.5	4
Core course 6 + Practical	5.5	4	Core course 10 + Practical	5	4
Core course 7 + Practical	5.5	4	Core course 11 + Practical	6.5	4
Core course 8 + Practical.	5	4	Core course 12 + Practical	5	4
Open course	4	3	Programme elective - Choice based core course	3	3
Total	25	19	Project work	--	2
			Total	25	21



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B Sc BOTANY PROGRAMME – MODEL I

COMBINATION OF CORE AND COMPLEMENTARY COURSES AND SEMESTER-WISE DISTRIBUTION

Sem.	Course category	Course code	Course title	Instr. hrs.*		Credits
				Th.	Pr.	
I	Core	BO1CRT01	Methodology of Science and an Introduction to Botany	36	36	2 + 1
II	Core	BO2CRT02	Microbiology, Mycology and Plant Pathology	36	36	2 + 1
III	Core	BO3CRT03	Phycology and Bryology	54	36	3 + 1
IV	Core	BO4CRT04	Pteridology, Gymnosperms and Paleobotany	54	36	3 + 1
V	Core	BO5CRT05	Anatomy, Reproductive Botany, Microtechnique	54	36	3 + 1
	Core	BO5CRT06	Research methodology, Biophysics and Biostatistics	54	45	3 + 1
	Core	BO5CRT07	Plant Physiology and Biochemistry	54	45	3 + 1
	Core	BO5CRT08	Environmental sciences and Human Rights	54	36	3 + 1
	Open	BO5OPT01	1. Agri-based microenterprises	72	--	3
	Open	BO5OPT02	2. Horticulture and Nursery management	72	--	3
	Open	BO5OPT03	3. Ecotourism	72	--	3
VI	Core	BO6CRT09	Genetics, Plant Breeding and Horticulture	54	45	3 + 1
	Core	BO6CRT10	Cell and Molecular Biology	54	36	3 + 1
	Core	BO6CRT11	Angiosperm morphology, Taxonomy and Economic Botany	72	45	3 + 1
	Core	BO6CRT12	Biotechnology and Bioinformatics	54	36	3 + 1
	Elective	BO6PET01	1. Agribusiness	54	--	3
	Elective	BO6PET02	2. Plant Genetic Resources Management	54	--	3
	Elective	BO6PET03	3. Phytochemistry and Pharmacognosy	54	--	3
	Project	BO6PRT01	Investigatory project work done individually or in groups	--	--	2
I	Compl. 1	BO1CMT01	Cryptogams, Gymnosperms and Plant Pathology	36	36	2 + 1
II	Compl. 2	BO2CMT02	Plant Physiology	36	36	2 + 1
III	Compl. 3	BO3CMT03	Angiosperm Taxonomy and Economic Botany	54	36	3 + 1
IV	Compl. 4	BO4CMT04	Anatomy and Applied Botany	54	36	3 + 1


* 18 instructional hours is equal to one teaching hour per week



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B.SC. ZOOLOGY




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Semester 1

No	Course Code	Course Title	Course Category	Hrs per week	Credits	Marks ratio	
						Intl	Extl
1		English - 1	Common Course I	5	4	1	4
2		English - 2	Common Course II	4	3	1	4
3		Second Language – 1	Common Course III	4	4	1	4
4	ZY1CRT01	General perspectives in Science & Protistan Diversity	Core Course I : Theory	2	2	1	4
5		Practical : General perspectives in Science & Protistan Diversity	Core Course I : Practical	2	0	0	0
6		Chemistry 1/ Biochemistry 1	Complementary Course I : Theory	2	2	1	4
7		Chemistry 1	Complementary Course I : Practical	2	0	0	0
8		Botany 1	Complementary Course II : Theory	2	2	1	4
9		Botany 1	Complementary Course II : Practical	2	0	0	0
Total				25 hrs	17		

Semester 2

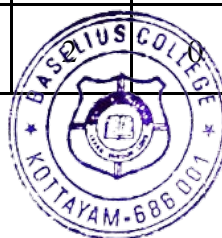
No	Course Code	Course Title	Course Category	Hrs per week	Credits	Marks ratio	
						Intl	Extl
1		English 3	Common Course IV	5	4	1	4
2		English 4	Common Course	4	3	1	4



3		Second Language -2	Common Course VI	4	4	1	4
4	ZY2CRT02	Animal Diversity- Non Chordata	Core Course II : Theory	2	2	1	4
5		Animal Diversity – Non Chordata	Core Course II : Practical	2	2	1	4
6		Chemistry – II / Biochemistry - II	Complementary Course I : Theory	2	2	1	4
7		Chemistry – II / Biochemistry - II	Complementary Course I : Practical	2	2	1	4
8		Botany – II	Complementary Course II : Theory	2	2	1	4
9		Botany – II	Complementary Course II : Practical	2	2	1	4
Total				25 hrs	23		

Semester 3

No	Course Code	Course Title	Course Category	Hrs per week	Credits	Marks ratio	
						Intl	Extl
1		English 5	Common Course VII	5	4	1	4
2		Second Language 3	Common Course VIII	5	4	1	4
3	ZY3CRT03	Animal Diversity – Chordata	Core Course III : Theory	3	3	1	4
4		Animal Diversity- Chordata	Core Course III : Practical	2	0	0	0
5		Chemistry – III / Biochemistry - III	Complementary Course I : Theory	3	3	1	4
6		Chemistry – III / Biochemistry - III	Complementary Course I : Practical	2	0	0	0
7		Botany III	Complementary Course II : Theory	3	3	1	4
8		Botany III	Complementary Course II :			0	0



			Practical				
Total				25 hrs	17		

Semester 4

No	Course Code	Course Title	Course Category	Hrs per week	Credits	Marks ratio	
						Intl	Extl
1		English - 6	Common Course IX	5	4	1	4
2		Second language - 4	Common Course X	5	4	1	4
3	ZY4CRT04	Research methodology, Biophysics & Biostatistics	Core Course IV : Theory	3	3	1	4
4		Research methodology, Biophysics & Biostatistics	Core Course IV : Practical	2	2	1	4
5		Chemistry – IV / Biochemistry - IV	Complementary Course I : Theory	3	3	1	4
6		Chemistry – IV / Biochemistry - IV	Complementary Course I : Practical	2	2	1	4
7		Botany - IV	Complementary Course II : Theory	3	3	1	4
8		Botany - IV	Complementary Course II : Practical	2	2	1	4
Total				25 hrs	23		




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Semester 5

No	Course Code	Course Title	Course Category	Hrs per week	Credits	Marks ratio	
						Intl	Extl
1	ZY5CRT05	Environmental Biology & Human rights	Core Course V : Theory	3	3	1	4
2	ZY5CRPO5	Environmental Biology & Human rights	Core Course V : Practical	2	0	0	0
3	ZY5CRT06	Cell Biology & Genetics	Core Course VI : Theory	3	3	1	4
4	ZY5CRPO6	Cell Biology & Genetics	Core Course VI : Practical	2	0	0	0
5	ZY5CRT07	Evolution, Ethology & Zoogeography	Core Course VII : Theory	3	3	1	4
6	ZY5CRPO7	Evolution, Ethology & Zoogeography	Core Course VII : Practical	2	0	0	0
7	ZY5CRT08	Human Physiology, Biochemistry & Endocrinology	Core Course VIII : Theory	3	3	1	4
8	ZY5CRPO8	Human Physiology, Biochemistry & Endocrinology	Core Course VIII : Practical	2	0	0	0
9	ZY5OPT01	1 – Vocational Zoology (Apiculture, Vermiculture, Ornamental fish culture)	Open Courses for other streams (<i>Select any one out of three</i>)	4	3	1	4
	ZY5OPT02	2 – Public health and Nutrition					
	ZY5OPT03	3 – Man, nature & Sustainable Development					
10	ZY6CRPRP	Project work (Credit 2 will be given in 6 th semester with investigatory project).	Project	1	0		
Total				25 hrs	15		




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Semester 6

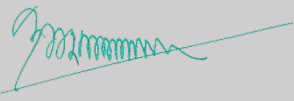
No	Course Code	Course Title	Course Category	Hrs per week	Credits	Marks ratio	
						Intl	Extl
1	ZY6CRT09	Developmental Biology	Core Course IX : Theory	3	3	1	4
2	ZY6CRP09	Developmental Biology	Core Course IX : Practical	2	2	1	4
3	ZY6CRT10	Microbiology & Immunology	Core Course X : Theory	3	3	1	4
4	ZY6CRP10	Microbiology & Immunology	Core Course X : Practical	2	2	1	4
5	ZY6CRT11	Biotechnology, Bioinformatics and Molecular Biology	Core Course XI : Theory	3	3	1	4
6	ZY6CRP11	Biotechnology, Bioinformatics and Molecular Biology	Core Course XI : Practical	2	2	1	4
7	ZY6CRT12	Occupational Zoology (Aquaculture, Apiculture, Vermiculture & Quail farming)	Core Course XII : Theory	3	3	1	4
8	ZY6CRP12	Occupational Zoology (Aquaculture, Apiculture, Vermiculture & Quail farming)	Core Course XII : Practical	2	2	1	4
9	ZY6CBT01	Elective 1: Ecotourism & Sustainable Development	Choice Based Core Elective Courses (<i>Select any one out of four</i>)	4	3	1	4
	ZY6CBT02	Elective 2: Agricultural pest management					
	ZY6CBT03	Elective 3: Vector & Vector borne Diseases					
	ZY6CBT04	Elective 4: Nutrition, Health & life style management					
10	ZY6PRP01	Project Work	Project	1	2		
Total				25 hrs	25		




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B.COM. MODEL I




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Courses and Duration of Examinations

Total credits: 120

Semesters- 6

Working Days per Semester: 90

Working Hours per Semester: 450

Examination- External Evaluation: 80% and Internal evaluation- 20%

MODEL-I

B.Com Degree Programme Model-I Course Structure

Common Courses

Sl No	Course Name	Credit	Hours per week
1	Language- English-I	4	5
2	Second Language-I	4	4
3	Language- English-II	4	5
4	Second Language-II	4	4
5	Language- English- III	3	3
6	Language- English -IV	3	3
	TOTAL – Common Course 1 – 14 credits and Common Course 2- 8 credits	22	-

Complementary Courses

Sl No	Course Name	Credit	Hours per week
1	Banking and Insurance	3	4
2	Principles of Business Decisions	3	4
	TOTAL	6	

Core Courses

Sl No	Course Name	Credit	Hours per week
1	Dimensions and Methodology of Business Studies	2	3



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2	Financial Accounting I	4	5
3	Corporate Regulations and Administration	3	4
4	Financial Accounting II	4	5
5	Business Regulatory Framework	3	4
6	Business Management	3	3
7	Corporate Accounts I	4	5
8	Quantitative Techniques for Business- 1	4	5
9	Financial Markets and Operations	3	4
10	Marketing Management	3	3
11	Optional - 1	4	5
12	Corporate Accounts II	4	6
13	Quantitative Techniques for Business- II	4	6
14	Entrepreneurship Development and Project Management	4	5
15	Optional - 2 -	4	5
16	Cost Accounting - 1	4	6
17	Environment Management and Human Rights	4	5
18	Financial Management	4	5
19	Optional - 3	4	5
20	Cost Accounting - 2	4	6
21	Advertisement and Sales Management	3	4
22	Auditing and Assurance	4	5
23	Management Accounting	4	5
24	Optional - 4	4	5
25	Project and Viva	1	-
	TOTAL	89	

Details of Optional Courses

Sl No	Course Name	Credit	Hours per week
FINANCE AND TAXATION			
1	Goods and Services Tax	4	5
2	Financial Services	4	5
3	Income Tax- I	4	5
4	Income Tax - II	4	5
COMPUTER APPLICATIONS			
1	Information Technology for Business	4	5
2	Information Technology for Office	4	5
	Computerized Accounting	4	5



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4	Software for Business and Research	4	5
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CO-OPERATION			
1	Basics of Co-operation	4	5
2	Management of Co-operative Enterprises	4	5
3	Co-operative Legal System	4	5
4	Accounting for Co-operative Societies	4	5
TRAVEL AND TOURISM			
1	Fundamentals of Tourism	4	5
2	Travel and Tourism Infrastructure	4	5
3	Hospitality Management	4	5
4	Tourism and Cultural Heritage of India	4	5
MARKETING			
1	Customer Relationship Management	4	5
2	Services Marketing	4	5
3	Marketing Research	4	5
4	International Marketing	4	5

OPEN COURSES OFFERED

Sl No	Course Name	Credit	Hours per week
1	CO5OP01- Fundamentals of Banking and Insurance	3	4
2	CO5OP02- Capital Market and Investment Management	3	4
3	CO5OP03- Fundamentals of Accounting	3	4
TOTAL		3	

Semester-wise details

Semester- 1

Sl No	Course Code	Course Name	Credit	Hours per week
1		Language- English-I	4	5
2		Second Language-I	4	4
3	CO1CRT01	Dimensions and Methodology of Business Studies	2	3
4	CO1CRT02	Financial Accounting I	4	5
5	CO1CRT03	Corporate Regulations and Administration	3	4
6	CO1CMT01	Banking and Insurance	3	4
TOTAL			20	25



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Semester- 2

Sl No	Course Code	Course Name	Credit	Hours per week
1		Language- English-I	4	5
2		Second Language-I	4	4
3	CO2CRT04	Financial Accounting II	4	5
4	CO2CRT05	Business Regulatory Framework	3	4
5	CO2CRT06	Business Management	3	3
6	CO2CMT02	Principles of Business Decisions	3	4
		TOTAL	21	25

Semester 3

Sl No	Course Code	Course Name	Credit	Hours per week
1		Language- English-I	3	3
2	CO3CRT07	Corporate Accounts I	4	5
3	CO3CRT08	Quantitative Techniques for Business- 1	4	5
4	CO3CRT09	Financial Markets and Operations	3	4
5	CO3CRT10	Marketing Management	3	3
6		Optional - 1		
	CO3OCT01	Finance and Taxation-Goods and Services Tax	4	5
	CO3OCT02	Computer Application- Information Technology for Business (Theory)	3	3
		Information Technology for Business (Practical)- <i>Exam in semester 4 only</i>	-	2
	CO3OCT03	Co-operation- Basics of Co-operation	4	5
	CO3OCT04	Travel and Tourism - Fundamentals of Tourism	4	5
	CO3OCT05	Marketing- Customer Relationship Management	4	5
		TOTAL for streams other than Computer Applications	21	25
		TOTAL for Computer Application Stream	20	25



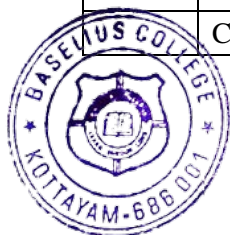
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Semester- 4

Sl No	Course Code	Course Name	Credit	Hours per week
1		Language- English-I	3	3
2	CO4CRT11	Corporate Accounts II	4	6
3	CO4CRT12	Quantitative Techniques for Business- II	4	6
4	CO4CRT13	Entrepreneurship Development and Project Management	4	5
5	CO4	Optional - 2 -	4	5
	CO4OCT01	Finance and Taxation- Financial Services	4	5
	CO4OCT02	Computer Application- Information Technology for Office (Theory)	3	3
		Information Technology for Office (Practical)	-	2
	CO34OCP01	<i>Computer Application Practical Examination</i> for Information Technology for Office and Information technology for Business	2	NA
	CO4OCT03	Co-operation- Management of Co-operative Enterprises	4	5
	CO4OCT04	Travel and Tourism- Travel and Tourism Infrastructure	4	5
	CO4OCT05	Marketing- Services Marketing	4	5
		TOTAL for streams other than Computer Application	19	25
		TOTAL for Computer Application Stream	20	25

Semester- 5

Sl No	Course Code	Course Name	Credit	Hours per week
1	CO5CRT14	Cost Accounting - 1	4	6
2	CO5CRT15	Environment Management and Human Rights	4	5
3	CO5CRT16	Financial Management	4	5
4		Optional - 3		
	CO5OCT01	Finance and Taxation- Income Tax- I	4	5
	CO5OCT02	Computer Application-	3	3



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		Computerised Accounting(Theory)		
		Computerised Accounting (Practical)- Examination in 6th Semester only	-	2
	CO5OCT03	Co-operation- Co-operative Legal System	4	5
	CO5OCT04	Travel and Tourism- Hospitality Management	4	5
	CO5OCT05	Marketing- Marketing Research	4	5
5		Open Course	3	4
		TOTAL for streams other than Computer Application	19	25
		TOTAL for Computer Application stream	18	25

Semester- 6

Sl No	Course Code	Course Name	Credit	Hours per week
1	CO6CRT17	Cost Accounting - 2	4	6
2	CO6CRT18	Advertisement and Sales Management	3	4
3	CO6CRT19	Auditing and Assurance	4	5
4	CO6CRT20	Management Accounting	4	5
5	CO6OCT	Optional - 4	4	5
	CO6OCT01	Finance and Taxation- Income Tax- II	4	5
	CO6OCT02	Computer Application- Software for Business and Research (Theory)	3	3
		Software for Business and Research(Practical)	-	2
	CO56OCP01	Computer Application- Practical Examination – Computerised Accounting and Software for Business and Research	2	NA
	CO6OCT03	Co-operation- Accounting for Co-operative Societies	4	5
	CO6OCT04	Travel and Tourism- Tourism and Cultural Heritage of India	4	5
	CO6OCT05	Marketing- International Marketing	4	5
6	CO6PR01	Project and Viva	1	-
		TOTAL for streams other than Computer Application	20	25
		TOTAL for Computer Application	21	25



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B.COM. MODEL III



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Courses and Duration of Examinations

Total credits: 120

Semesters- 6

Working Days per Semester: 90

Working Hours per Semester: 450

Examination- External Evaluation: 80% and Internal evaluation- 20%

B.Com Degree Programme Model-III Course Structure

Common Courses

SI No	Course Name	Credit	Hours per week
1	Language- English-I	4	5
2	Language- English-II	4	5
TOTAL		8	

Complementary Courses

SI No	Course Name	Credit	Hours per week
1	Business Communication and MIS	4	4
2	Banking and Insurance	3	4
3	Business Environment	4	4
4	Principles of Business Decisions	3	4
5	Business Ethics and Corporate Social Responsibility	3	3
6	Logistics and Supply Chain Management	3	3
7	Taxation- E- Commerce	4	5
	Computer Application- Programming in 'C' (Theory)	3	3
	Computer Application Programming in 'C' (Practical)	1(Combined practical Exam in even sem)	2
	Travel and Tourism E Commerce	4	5
	Office Management and Secretarial Practice E Commerce	4	5
4	Taxation-	4	5



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	Income Tax- Assessment and Planning		
	Computer Application- Database Management System	3	3
	Computer Application Database Management System (Practical)	1(Combined practical exam)	2
	Travel and Tourism Tourism Environment and Ecology	4	5
	Office Management and Secretarial Practice Consumer Behaviour	4	5
	TOTAL	28	

Core Courses

Sl No	Course Name	Credit	Hours per week
1	Dimensions and Methodology of Business Studies	2	3
2	Financial Accounting I	4	5
3	Corporate Regulations and Administration	3	4
4	Financial Accounting II	4	5
5	Business Regulatory Framework	3	4
6	Business Management	3	3
7	Corporate Accounts I	4	5
8	Quantitative Techniques for Business- 1	4	5
9	Financial Markets and Operations	3	4
10	Marketing Management	3	3
11	Optional - 1	4	5
12	Corporate Accounts II	4	6
13	Quantitative Techniques for Business- II	4	6
14	Entrepreneurship Development and Project Management	4	5
15	Optional - 2 -	4	5
16	Cost Accounting - 1	4	6
17	Environment Management and Human Rights	4	5
18	Optional - 3	4	5
19	Cost Accounting - 2	4	6
20	Advertisement and Sales Management	3	4
21	Management Accounting	4	5
22	Optional - 4	4	5
23	Project and Viva	1	-
	TOTAL	81	



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Details of Optional Courses

Sl No	Course Name	Credit	Hours per week
TAXATION			
1	Goods and Services Tax	4	5
2	Financial Services	4	5
3	Income Tax- I	4	5
4	Income Tax - II	4	5
COMPUTER APPLICATIONS			
1	Information Technology for Business	4	5
2	Information Technology for Office	4	5
3	Computerized Accounting	4	5
4	Software for Business and Research	4	5
TRAVEL AND TOURISM			
1	Fundamentals of Tourism	4	5
2	Travel and Tourism Infrastructure	4	5
3	Hospitality Management	4	5
4	Tourism and Cultural Heritage of India	4	5
OFFICE MANAGEMENT AND SECRETARIAL PRACTICE			
1	Information Technology for Business	4	5
2	Information Technology for Office	4	5
3	Office Management and Administration	4	5
4	Secretarial Practice	4	5

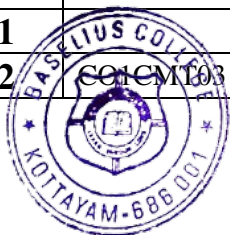
OPEN COURSES OFFERED

Sl No	Course Name	Credit	Hours per week
1	CO5OP01- Fundamentals of Banking and Insurance	3	4
2	CO5OP02- Capital Market and Investment Management	3	4
3	CO5OP03- Fundamentals of Accounting	3	4
TOTAL		3	

Semester-wise details

Semester- 1

Sl No	Course Code	Course Name	Credit	Hours per week
1		Language- English-I	4	5
2	CO1CM103	Business Communication and MIS	4	4



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3	CO1CRT01	Dimensions and Methodology of Business	2	3
4	CO1CRT02	Financial Accounting I	4	5
5	CO1CRT03	Corporate Regulations and Administration	3	4
6	CO1CMT01	Banking and Insurance	3	4
		TOTAL	20	25

Semester- 2

SI No	Course Code	Course Name	Credit	Hours per week
1		Language- English-I	4	5
2	CO2CMT04	Business Environment	4	4
3	CO2CRT04	Financial Accounting II	4	5
4	CO2CRT05	Business Regulatory Framework	3	4
5	CO2CRT06	Business Management	3	3
6	CO2CMT02	Principles of Business Decisions	3	4
		TOTAL	21	25

Semester 3

SI No	Course Code	Course Name	Credit	Hours per week
1	CO3CMT05	Business Ethics and Corporate Social Responsibility	3	3
2	CO3CRT07	Corporate Accounts I	4	5
3	CO3CRT08	Quantitative Techniques for Business- 1	4	5
4	CO3CRT09	Financial Markets and Operations	3	4
5	CO3CRT10	Marketing Management	3	3
6		Optional - 1		
	CO3OCT01	Taxation stream -Goods and Services Tax	4	5
	CO3OCT02	Computer Application- Information Technology for Business (Theory)	3	3
		Information Technology for Business (Practical)- <i>Exam in semester 4 only</i>	-	2
	CO3OCT04	Travel and Tourism Fundamentals of Tourism	4	5
	CO3OCT02	Office Management and Secretarial Practice Information Technology for Business (Theory)	3	3
		Office Management and Secretarial Practice (Practical)- <i>Exam in semester 4 only</i>	-	2
		TOTAL for streams (a)Taxation (b) Travel and Tourism	21	25
		TOTAL for streams (a) Computer	20	25



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		Application (b) Office Management and Secretarial practice.		
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Semester- 4

Sl No	Course Code	Course Name	Credit	Hours per week
1	CO4CMT06	Logistics and Supply Chain Management	3	3
2	CO4CRT11	Corporate Accounts II	4	6
3	CO4CRT12	Quantitative Techniques for Business- II	4	6
4	CO4CRT13	Entrepreneurship Development and Project Management	4	5
5	CO4	Optional - 2 -	4	5
	CO4OCT01	Taxation- Financial Services	4	5
	CO4OCT02	Computer Application- Information Technology for Office (Theory)	3	3
		Information Technology for Office (Practical)	-	2
	CO34OCP01	<i>Computer Application Practical Examination</i> for Information Technology for Office and Information technology for Business	2	NA
	CO4OCT04	Travel and Tourism Travel and Tourism Infrastructure	4	5
	CO4OCT02	Office Management and Secretarial Practice- Information Technology for Office (Theory)	3	3
		Information Technology for Office (Practical)	-	2
	CO34OCP01	<i>Office Management and Secretarial Practice Practical Examination</i> for Information Technology for Office and Information technology for Business	2	NA
		TOTAL for streams (a)Taxation (b) Travel and Tourism	19	25
		TOTAL for streams (a) Computer Application (b) Office Management and Secretarial practice.	20	25

Semester- 5

Sl No	Course Code	Course Name	Credit	Hours per week
1	CO5CRT14	Cost Accounting - 1	4	6
2	CO5CRT15	Environment Management and Human Rights	4	5
3	CO5CMT07	Complementary Course Taxation-	4	5



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		E- Commerce		
	CO5CMT08	Computer Application- Programming in 'C' (Theory)	3	3
	CO5CMP01	Computer Application Programming in 'C' (Practical)	1	2
	CO5CMT07	Travel and Tourism E Commerce	4	5
	CO5CMT07	Office Management and Secretarial Practice E Commerce	4	5
4		Optional - 3		
	CO5OCT01	Taxation- Income Tax- I	4	5
	CO5OCT02	Computer Application- Computerised Accounting(Theory)	3	3
		Computerised Accounting (Practical)- Examination in 6th Semester only	-	2
	CO5OCT04	Travel and Tourism Hospitality Management	4	5
	CO5OCT07	Office Management and Secretarial Practice Office Management and Administration	4	5
5		Open Course	3	4
		TOTAL for streams other than Computer Application	19	25
		TOTAL for Computer Application stream	17	25

Semester- 6

Sl No	Course Code	Course Name	Credit	Hours per week
1	CO6CRT17	Cost Accounting - 2	4	6
2	CO6CRT18	Advertisement and Sales Management	3	4
3	CO6CMT09	Complementary Course Taxation Income Tax- Assessment and Planning	4	5
	CO6CMT10	Computer Application- Database Management System	3	3
		Database Management System (Practical)	-	2
	CO56CMP01	Computer Application Practical Examination for Programming in C and Data Base Management System	2	NA
	CO6CMT11	Travel and Tourism Tourism Environment and Ecology	4	5
	CO6CMT12	Office Management and Secretarial Practice Consumer Behaviour	4	5



4	CO6CRT20	Management Accounting	4	5
5		Optional - 4	4	5
	CO6OCT01	Taxation- Income Tax- II	4	5
	CO6OCT02	Computer Application- Software for Business and Research (Theory)	3	3
		Software for Business and Research(Practical)	-	2
	CO56OCP01	Computer Application- Practical Examination – Computerised Accounting and Software for Business and Research	2	NA
	CO6OCT04	Travel and Tourism Tourism and Cultural Heritage of India	4	5
	CO6OCT07	Office Management and Secretarial Practice Secretarial Practice	4	5
6	CO6PR01	Project and Viva	1	-
		TOTAL for streams other than Computer Application	20	25
		TOTAL for Computer Application Stream	22	25

SEMESTER 1

Complementary Course 1

BUSINESS COMMUNICATION AND MANAGEMENT INFORMATION SYSTEM

Instructional Hours: 72

Credit- 4

OBJECTIVE To familiarise the importance of communication in business and methods of communication relevant to various business situations and to build up communication skills among students.

Module-I

Communication-Need-Process-Elements- Types-Oral-written-Verbal-Non verbal-Internal, External- Formal and informal- Advantages of communication- Non-verbal communication-Body language-Kinesics, Proxemics-Paralanguage- Chronemics- Adornment- Haptics- Silence- Interpersonal communication- Features- Functions of interpersonal communication- Improving interpersonal skills- Active listening- Guidelines of active listening- Critical thinking- Emotional Intelligence- Ethical

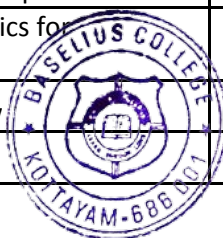


BBA



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COURSE DESIGN				
Semester	Title	Course	Credit	Hours/week
<u>First semester</u>				
BA1CRT01	Principles and Methodology of Management	Core	4	6
BA1CRT02	Business Accounting	Core	4	6
BA1CMT03	Fundamentals of Business Mathematics	Complementary	4	4
BA1CMT04	Fundamentals of Business Statistics	Complementary	4	4
BA1CCT05	English Paper –I	Common	4	5
			20	25
<u>Second semester</u>				
BA2CRT06	Cost and Management Accounting	Core	4	6
BA2CRT07	Business Communication	Core	4	6
BA2CMT08	Mathematics for Management	Complementary	4	4
BA2CMT09	Statistics for Management	Complementary	4	4
BA2CCT10	English Paper –II	Common	4	5
			20	25
<u>Third Semester</u>				
BA3CRT11	Human Resource Management	Core	4	5
BA3CRT12	Marketing Management	Core	4	5
BA3CRT13	Research Methodology	Core	4	5
BA3CMT14	Business Laws	Complementary	4	5
BA3PRP15	Personality Development and Management Skills (Minor Project)	Core	4	5
			20	25
<u>Fourth Semester</u>				
BA4CRT16	Financial Management	Core	4	5
BA4CRT17	Managerial Economics	Core	4	5
BA4CRT18	Entrepreneurship	Core	4	5
BA4CMT19	Basic informatics for Management	Complementary	4	5
BA4CMT20	Corporate Law	Complementary	4	5
			20	25



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<u>Fifth Semester</u>				
BA5CRT21	Organisational Behaviour	Core	4	6
BA5OPT22	Open Course	Open	3	4
BA5CRT23	Environment Science and Human Rights	Core	4	5
BA5CMT24	Intellectual Property Rights and Industrial Laws	Complementary	4	5
BA5CRT25	Operations Management	Core	2	2
BA5CRT26	Industrial Relations	Core	3	3
			20	25
<u>Sixth Semester</u>				
BA6OCT27	Optional-I	Optional (Core)	4	5
BA6OCT28	Optional-II	Optional (Core)	4	5
BA6CRT29	Strategic Management	Core	4	5
BA6CRT30	Communication Skills and Personality development	Core	4	5
BA6PRP31	Management Project	Core	4	5
			20	25
	Grand Total		120	150



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LIST OF COURSES

Semester

Title

First semester

BA1CRT01	Principles and Methodology of Management
BA1CRT02	Business Accounting
BA1CMT03	Fundamentals of Business Mathematics
BA1CMT04	Fundamentals of Business Statistics
BA1CCT05	English Paper –I

Second semester

BA2CRT06	Cost and Management Accounting
BA2CRT07	Business Communication
BA2CMT08	Mathematics for Management
BA2CMT09	Statistics for Management
BA2CCT10	English Paper –II

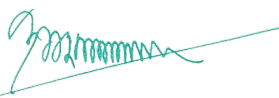
Third Semester

BA3CRT11	Human Resource Management
BA3CRT12	Marketing Management
BA3CRT13	Research Methodology
BA3CMT14	Business Laws Personality Development and Management Skills (Minor Project)
BA3PRP15	

Fourth Semester

BA4CRT16	Financial Management
BA4CRT17	Managerial Economics
BA4CRT18	Entrepreneurship Basic informatics for Management
BA4CMT19	
BA4CMT20	Corporate Law




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Fifth Semester

BA5CRT21	Organisational Behaviour
BA5OPT22	Open Course
BA5CRT23	Environment Science and Human Rights
BA5CMT24	Intellectual Property Rights and Industrial Laws
BA5CRT25	Operations Management
BA5CRT26	Industrial Relations

Sixth Semester

BA6OCT27	Optional-I
BA6OCT28	Optional-II
BA6CRT29	Strategic Management
BA6CRT30	Communication Skills and Personality development
BA6PRP31	Management Project

Open course

BA5OPT22 (a). Brand Management

BA5OPT22 (b) Entrepreneurial Leaders

Optional**Optional I**

BA6OCT27. (a) Healthcare Management

OR

BA6OCT27.(b) Introduction to Retail Management

OR

BA6OCT27. (c) Investment and Insurance Management

OR

BA6OCT27. (d) Event Management

Optional II

BA6OCT28. (a). Advertisement and Salesmanship

OR

BA6OCT28. (b). Supply-Chain Management

OR

BA6OCT28.(c). Principles of Tourism Management



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HISTORY



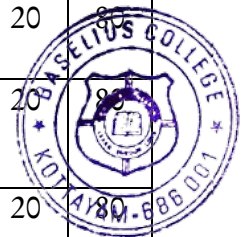
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MAHATMA GANDHI UNIVERSITY, KOTTAYAM, KERALA
UNDERGRADUATE PROGRAMME IN HISTORY
 RESTRUCTURING / SEMESTERISATION

MODEL – 1

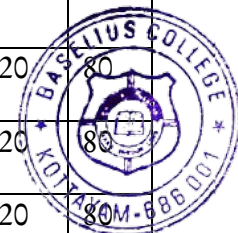
Sem	Title with Course Code	Course Category	Hours per week	Credit	Marks	
					Intl	Extl
I	Common English - 1	Common Course	5	4	20	80
	Common English - 2	Common Course	4	3	20	80
	Common Second Language - 1	Common Course	4	4	20	80
	Perspectives and Methodologies in Social Sciences – History - HY1CRT01	Core	6	5	20	80
	1 st Complementary - 1	Complementary	6	4	20	80
II	Common English - 3	Common Course	5	4	20	80
	Common English - 4	Common Course	4	3	20	80
	Common Second Language - 2	Common Course	4	4	20	80
	Understanding Early India: From Hunting Gatherers to Land Grants - HY2CRT02	Core	6	5	20	80
	1 st Complementary - 2	Complementary	6	4	20	80
III	Common English - 5	Common Course	5	4	20	80
	Common Second Language - 3	Common Course	5	4	20	80
	Polity, Society and Economy in Pre Colonial India - HY3CRT03	Core	4	4	20	80



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	2 nd Complementary – 3	Complementary	6	4	20	80
	Cultural Trends in Pre Colonial Kerala - HY3CRT04	Core	5	4	20	80
IV	Common English – 6	Common Course	5	4	20	80
	Common Second Language – 4	Common Course	5	4	20	80
	Making of Modern Kerala - HY4CRT05	Core	4	4	20	80
	2nd Complementary – 4	Complementary	6	4	20	80
	Researching the Past - HY4CRT06	Core	5	4	20	80
V	Inheritance and Departures in Historiography - HY5CRT07	Core	5	4	20	80
	India: Nation in the Making - HY5CRT08	Core	5	4	20	80
	State and Society in Ancient and Medieval world - HY5CRT09	Core	5	4	20	80
	Environmental Studies and Human Rights in Historical Outline - HY5CRT10	Core	5	4	20	80
	Introducing Environmental History - HY5OCT01 OR Social Implications of Modern Revolutions - HY5OCT02 OR History and Folklore - HY5OCT03	Open Course	4	3	20	80
	Project	Project	1	0		
	Study Tour to Important Historic Sites					
VI	Making of Contemporary India - HY6CRT11	Core	5	4	20	80
	Understanding Modern World - HY6CRT12	Core	5	4	20	80
	Capitalism and Colonialism - HY6CRT13	Core	5	4	20	80

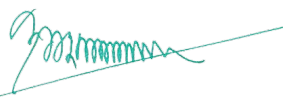


	Gender in Indian Perspectives - HY6CRT14	Core	5	4	20	80
	Archaeology in India (Not applicable for Model II Archaeology and Museology) - HY6CBT01 OR A Brief History of Indian Science and Technology - HY6CBT02 OR Gender Studies (Not applicable for Model I) - HY6CBT03 OR Introduction to Mass Communication - - HY6CBT04	Choice Based Core	4	3	20	80
	Project	Project	1	2		
	Total		150	120		

Project is a single paper spread over 5th and 6th Semester.

Internal and External evaluation will be done in the 6th semester only.




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HINDI



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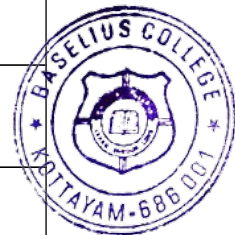
Consolidated Scheme B.A Hindi Model I

Sem	Course Category	Title of the paper	Course code	Hrs/Week	Credit	Marks	
						Internal	External
Semester I	Core course paper - 1	Methodology and Development of Hindi Language /हिन्दी भाषा की प्रविधि एवं विकास	HN1CRT01	4	3	20	80
	Complementary course - 1 Paper 1	Functional Aspects of Hindi Language हिन्दी भाषा का प्रयोजनमूलक पक्ष	HN1CMT01	4	3	20	80
	Complementary course - 2 Paper - 1	An introduction to Journalism / पत्रकारिता : एक परिचय	HN1CMT02	4	3	20	80
	Common course-1 Paper 1	Common course-1 English	EN1CCT01	5	4	20	80
	Common course-1 Paper 2	Common course-1 English	EN1CCT02	4	3	20	80
	Common course-2 Paper 1	Common course-2 Additional Language	HN1CCT01	4	4	20	80
Semester II	Core course paper - 2	Hindi Grammar and short stories/ हिन्दी व्याकरण और कहानियाँ	HN2CRT02	4	3	20	80
	Complementary course - 1 Paper 2	Administrative Noting and Drafting/ प्रशासनिक टिप्पण और आलेखन	HN2CMT01	4	3	20	80
	Complementary course - 2 Paper - 2	The Art of Editing संपादन कला	HN2CMT02	4	3	20	80
	Common course-1 Paper 3	Common course-1 English	EN2CCT03	5	4	20	80
	Common course-1 Paper 4	Common course-1 English	EN2CCT04	4	3	20	80
	Common course-2 Paper 2	Common course-2 Additional Language	HN2CCT02	4	4	20	80
Semester III	Core course paper - 3	History of Hindi Literature upto Ritikaal हिन्दी साहित्य का इतिहास रीतिकाल तक	HN3CRT03	5	4	20	80
	Complementary course - 1 Paper 3	Functional Hindi and Translation/प्रयोजनमूलक हिन्दी और अनुवाद	HN3CMT01	5	4	20	80
	Complementary course - 2 Paper - 3	Journalism and the Art of Advertising पत्रकारिता और विज्ञापन कला	HN3CMT02	5	4	20	80
	Common course-1	Common course-1	EN3CCT05	5	4	20	80



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	Paper 5	English					
	Common course-2 Paper 3	Common course-2 Additional Language	HN3CCT03	5	4	20	80
Semester IV	Core course paper - 4	Ancient Hindi Poetry प्राचीन हिन्दी काव्य	HN4CRT04	5	4	20	80
	Complementary course - 1 Paper 4	Functional Hindi and Information Technology प्रयोजनमूलक हिन्दी और सूचना प्रौद्योगिकी	HN4CMT01	5	4	20	80
	Complementary course - 2 Paper - 4	Journalism and Mass Communication पत्रकारिता और जनसंचार	HN4CMT02	5	4	20	80
	Common course-1 Paper 6	Common course-1 English	EN4CCT06	5	4	20	80
	Common course-2 Paper 4	Common course-2 Additional Language	HN4CCT04	5	4	20	80
Semester V	Core course paper - 5	Ecology and Human r Rights in Hindi Literature हिन्दी साहित्य में पारिस्थितिकी और मानवाधिकार	HN5CRT05	5	4	20	80
	Core course Paper - 6	Development of Modern Hindi Literature आधुनिक हिन्दी साहित्य का विकास	HN5CRT06	5	4	20	80
	Core course Paper - 7	Modern Hindi Fiction आधुनिक हिन्दी कथा साहित्य	HN5CRT07	5	4	20	80
	Core course Paper - 8	Modern Poetry in Hindi आधुनिक हिन्दी कविता	HN5CRT08	5	4	20	80
	Open Course option - 1	Film Studies सिनेमा अध्ययन	HN5OPT01	4	3	20	80
Open Course option - 2	Communicative Hindi बोलचाल की हिन्दी	HN5OPT02					
Semester VI	Core course Paper - 9	Literary Criticism साहित्य आलोचन	HN6CRT09	5	4	20	80
	Core course Paper - 10	Feminist Literature in Hindi हिन्दी महिला लेखन	HN6CRT10	5	4	20	80
	Core course Paper - 11	Different forms of Hindi Prose हिन्दी गद्य साहित्य की विविध विधाएँ	HN6CRT11	5	4	20	80
	Core course Paper - 12	Drama and One Act Plays in Hindi हिन्दी नाटक और एकांकी	HN6CRT12	5	4	20	80



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Choice Based Course	1. Satire व्यंग्य साहित्य	HN6CBT01	5	3	20	80
	2. Travelogue यात्रा साहित्य	HN6CBT02				
	3. Children's Literature बाल साहित्य	HN6CBT03				
Project		HN6PRT01		2		



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SANSKRIT



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Common Course Additional Language Sanskrit Model I

Semester	Sl. No	Course Code	Course	Topic	Instructional Hours	Credits	Internal	External
Semester I	1	SK1CCT 01	Additional Language - Sanskrit-1	Poetry, Prose and Alankara	4	4	20	80
Semester II	2	SK2CCT 02	Additional Language - Sanskrit- II	Communication Skills in Sanskrit Languages	4	4	20	80
Semester III	3	SK3CCT 03	Additional Language - Sanskrit- III	Poetry, Drama and Translation	5	4	20	80
Semester IV	4	SK4CCT 04	Additional Language - Sanskrit- IV	Historical Survey of Sanskrit Language & Kerala Culture	5	4	20	80



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SYRIAC

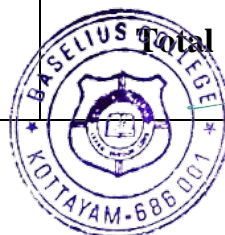


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COURSE CONTENT IN UNITIZED MANNER
BA/B.Sc Programme – Additional Language: SYRIAC
NUMBER OF INSTRUCTIONAL HOURS AND CREDITS

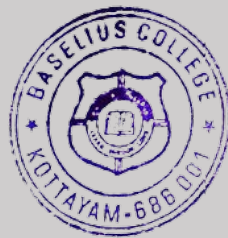
Semester	Name of the Course/ Question Paper	Total No. of Instructional Hours/ Week	Total Instructional Hours in a semester	Credits
I	SY1CCT01 Poetry/ Grammar & History of Syriac Language & Literature	4	4 x 18 = 72	4
II	SY2CCT01 Poetry/ Grammar & History of Syriac Literature	4	4 x 18 = 72	4
III	SY3CCT01 Prose, Grammar & History of Syrian Church in India	5	5x 18 = 90	4
IV	SY4CCT01 Prose, Grammar & History of Syrian Church in India	5	5x 18 = 90	4
			Total	16



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ELECTRONICS



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5. CONSOLIDATED SCHEME FOR ALL SEMESTERS

B.Sc. Electronics (Model - III)

Semester	Course Code	Title of the Course	Course Category	Teaching Hours	Total Hours/Sem	Credits	Total Credits
1		English - I	Common-I	5	90	4	20
	EL1CRT01	Basic Electronics	Core	4	72	4	
	EL1CRT02	Methodology of Science	Core	4	72	4	
	EL1CRP01	Basic Electronics Lab - Practical	Core	4	72	2	
		Physics-Solid State Physics	Complementary	4	72	3	
		Mathematics - I	Complementary	4	72	3	
2		English - II	Common-II	5	90	4	21
	EL2CRT03	Electronic Circuits	Core	4	72	4	
	EL2CRT04	Network Theory	Core	4	72	4	
	EL2CRT05	Digital Electronics	Core	4	72	4	
	EL2CRP02	Digital Electronics Laboratory - Practical	Core	4	72	2	
		Mathematics - II	Complementary	4	72	3	
3	EL3CRT06	Analog Communication	Core	4	72	4	21
	EL3CRT07	Analog ICs and Applications	Core	4	72	4	
	EL3CRT08	Electromagnetic Theory	Core	4	72	4	
	EL3CRT09	8085 Microprocessor	Core	4	72	4	
	EL3CRP03	Analog Electronics Circuits Lab - Practical	Core	5	90	2	
		Statistics	Complementary	4	72	3	


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Semester	Course Code	Title of the Course	Course Category	Teaching Hours	Total Hours/Sem	Credits	Total Credits
4	EL4CRT10	Programming in C	Core	4	72	4	19
	EL4CRT11	Microwave Electronics	Core	4	72	4	
	EL4CRT12	Digital Communication	Core	4	72	4	
	EL4CRT13	Instrumentation Electronics	Core	4	72	3	
	EL4CRP04	Programming in C Lab– Practical	Core	5	90	2	
	EL4CRT05	Microprocessor Lab – Practical	Core	4	72	2	
5	EL5CRT14	Microcontrollers and Applications	Core	4	72	4	19
	EL5CRT15	Environmental Awareness and Human Rights	Core	4	72	4	
	EL5CRT16	Computer Hardware	Core	4	72	4	
	EL5CRP06	Microcontroller Lab – Practical	Core	5	90	2	
	EL5CRP07	Communication Lab – Practical	Core	4	72	2	
	EL5CBT01	Open Course	Core	4	72	3	
6	EL6CRT17	Optoelectronics	Core	4	72	4	20
	EL6CRT18	Computer Networks	Core	5	90	4	
	EL6CRT19	Digital Signal Processing	Core	5	90	4	
	EL6CBT01	Choice Based Course	Core	4	72	4	
	EL6SMP01	Presentation Skill Practice	Core	2	36	1	
	EL6PRP01	Project Lab	Core	5	90	3	

OPEN COURSES
Computer Assembling
Mechatronics
Electronic Communication

CHOICE BASED COURSES
Digital Image Processing
Power Electronics
Mobile Communication

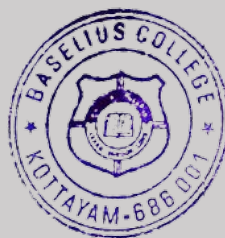
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MA ENGLISH



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7. THE PROGRAMME STRUCTURE

Course Code	Title of the Course	Type of the Course	Hours per week	Credits
FIRST SEMESTER				
EN010101	Up Until Chaucer: Early Literatures in English	CORE	5	4
EN010102	Literatures of the English Renaissance	CORE	5	4
EN010103	Literatures of the English Revolution/ Enlightenment	CORE	5	4
EN010104	19 th Century English Literatures	CORE	5	4
EN010105	Literary Criticism	CORE	5	4
SECOND SEMESTER				
EN010201	Modernity and Modernisms	CORE	5	4
EN010202	Postmodernism and Beyond	CORE	5	4
EN010203	American Literatures	CORE	5	4
EN010204	English Language History and Contemporary Linguistics	CORE	5	4
EN010205	Thinking Theory	CORE	5	4
THIRD SEMESTER				
EN010301	Reading India	CORE	5	4
EN010302	Post Colonial Fiction	CORE	5	4
EN010303	Body, Text and Performance	CORE	5	4
EN010304	Literature and Gender	CORE	5	3
EN010305	Ethics in/as Literature	CORE	5	3
FOURTH SEMESTER				
EN010401	Cultural Studies	CORE	5	4
EN010402	Post Colonial Poetry	CORE	5	3
	<Elective>	ELECTIVE	5	3
	<Elective>	ELECTIVE	5	3
	<Elective>	ELECTIVE	5	3
Project				3
Viva				2
National/ International Seminar (Presented in any one of the semesters)				1


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ELECTIVES

+3 Electives [Choose **One** from the **Four Clusters** given below]:

Cluster 1	Cluster 2	Cluster 3	Cluster 4
18. Post Colonial Theatres - [EN800401]	21. Trauma Narratives and Memory [EN810401]	24. Modern European Fiction [EN820401]	27. English Language Teaching (ELT) [EN830401]
19. Shakespeare Across Cultures [EN800402]	22. The Island in Literature [EN810402]	25. Modern European Drama [EN820402]	28. Translation Studies [EN830402]
20. Public Domain Writings [EN800403]	23. Literature and Film [EN810403]	26. Indian Poetics: Theories and Texts [EN820403]	29. Dalit Studies [EN830403]

Special Note:

Quite a few of the papers whose syllabi are given below have a special interim section titled ‘**Specific Additional Readings**’ that comes before the final ‘**Texts for Consultation**’ lists. The teachers/facilitators and the learners/students are hereby entreated to seriously treat this section as a ‘**resource-pool/tool-kit**’ that is specifically oriented towards the texts included within the ambit of the respective papers.


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MA ECONOMICS



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7. THE SEMESTER-WISE COURSE DETAILS

Course Code	Title of the Course	Type of the Course	Hours per week	Credits
FIRST SEMESTER				
EC010101	Microeconomics-I	Core	05	04
EC010102	Macroeconomics-I	Core	05	04
EC010103	Development Economics	Core	05	04
EC010104	Indian Economy-I	Core	05	04
EC010105	Mathematical Methods for Economic Analysis	Core	05	04
SECOND SEMESTER				
EC010201	Microeconomics-II	Core	05	04
EC010202	Macroeconomics-II	Core	05	04
EC010203	Public Economics	Core	05	04
EC010204	Indian Economy-II	Core	05	04
EC010205	Statistical Methods for Economic Analysis	Core	05	04
THIRD SEMESTER				
EC010301	International Economics	Core	05	04
EC010302	Econometrics-I	Core	05	04
EC010303	Heterodox Economics	Core	05	04
EC010304	Environment Economics	Core	05	04
EC010305	Kerala Economy	Core	05	03
FOURTH SEMESTER				
EC010401	International Finance	Core	05	04
EC010402	Econometrics-II	Core	05	04

ELECTIVE (Credit 3*3=9)		
GROUP A	GROUP B	GROUP C
EC800401 Agricultural Economics	EC810401 Mathematical Economics	EC820401 Financial Economics
EC800402 Industrial Economics	EC810402 Operations Research	EC820402 Game Theory and Its Economic Applications
EC800403 Labour Economics	EC810403 Multivariate Data Analysis for Social Sciences	EC820403 Economics of Business Strategy

EC010403	Project/Dissertation	Core	Credit	02
EC010404	Comprehensive Viva -Voce	Core	Credit	02
Total weight of the course				80

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M.SC. DATA ANALYTICS



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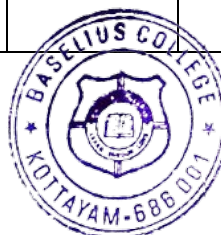


8. The Programme Structure :M.Sc Data Analytics

Table of Courses and Credits

COURSE CODE	COURSE TITLE	TEACHING (LECTURE+ PRACTICAL)	TYPE	CREDITS
SEMESTER I		TOTAL CREDITS 19		
ST 050101	STATISTICAL FOUNDATION FOR DATA ANALYTICS	3L+2P	THEORY	3
ST 050102	MATHEMATICAL FOUNDATION FOR DATA ANALYTICS 1	4L+1P	THEORY	3
ST 050103	REGRESSION ANALYSIS	3L+2P	THEORY	3
ST 050104	DATA BASE TECHNOLOGY	3L+2P	THEORY	2
ST 050105	PROGRAMMING AND DATA STRUCTURES WITH PYTHON	2 L+ 3P	THEORY	2
ST 050106	PRACTICAL 1		PRACTICAL *	3
ST 050107	PRACTICAL 2		PRACTICAL *	3
SEMESTER II		TOTAL CREDITS 19		
ST 050201	MATHEMATICAL FOUNDATION FOR DATA ANALYTICS 2	4L+1P	THEORY	3
ST 050202	MULTIVARIATE ANALYSIS	3L+2P	THEORY	3
ST 050203	STOCHASTIC PROCESS AND TIME SERIES ANALYSIS	3L+2P	THEORY	3
ST 050204	DATA VISUALIZATION	3L+2P	THEORY	2
ST 050205	PROGRAMMING USING R	2L + 3P	THEORY	2
ST 050206	PRACTICAL 3		PRACTICAL *	3
ST 050207	PRACTICAL 4		PRACTICAL *	3
SEMESTER III		TOTAL CREDITS 21		
ST 050301	SAMPLING & DESIGN OF EXPERIMENTS	4L+2P	THEORY	3
ST 050302	OPTIMIZATION TECHNIQUES	4L+2P	THEORY	3
ST 050303	MACHINE LEARNING	5L+ 2P	THEORY	3
ST 050304	BIG DATA ANALYTICS AND HANDOOP	4L+2P	THEORY	3
ST 050305	INTERNSHIP			3

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Syllabus - M.Sc Data Analytics

ST 050306	PRACTICAL 5		PRACTICAL *	3
ST 050307	PRACTICAL 6		PRACTICAL *	3
SEMESTER IV		TOTAL CREDITS 21		
	ELECTIVE 1	3L + 2 P	THEORY	3
	ELECTIVE 2	3L + 2 P	THEORY	3
	ELECTIVE 3 - PRACTICAL BASED ON ELECTIVES 1 & 2		PRACTICAL *	3
ST 050401	INDUSTRIAL VISIT	5		5
ST 050402	PROJECT	10		5
ST 050403	COMPEHENCIVE VIVA VOCE			2
	GRAND TOTAL OF CREDITS			80

COURSE CODE	LIST OF ELECTIVE COURSES	TEACHING (LECTURE+ PRACTICAL)	TYPE	CREDITS
ELECTIVES – BUNCH 1				
ST 900401	ARTIFICIAL INTELLIGENCE	3L+2P	THEORY	3
ST 900402	EPIDEMIOLOGY AND CLINICAL TRIALS	3L+2P	THEORY	3
ST 900403	DATA SCIENCE PRACTICAL		PRACTICAL *	3
ELECTIVES – BUNCH 2				
ST 910401	CLOUD COMPUTING	3L+2P	THEORY	3
ST 910402	RELIABILITY MODELING AND STATISTICAL QUALITY CONTROL	3L+2P	THEORY	3
ST 910403	DATA ANALYTICS PRACTICAL		PRACTICAL *	3
ELECTIVES – BUNCH 3				
ST 920401	WEB ANALYTICS	3L+2P	THEORY	3
ST 920402	ECONOMETRICS	3L+2P	THEORY	3
ST 920403	DATA MANAGEMENT PRACTICAL		PRACTICAL *	3

* All Practical question papers shall be generated from university


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M.SC. PHYSICS



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Table 1.1: Structure of MSc Physics under PG-CSS 2019

Semester	Course Code	Name of the courses	No of hrs / week	Credits
I	PH010101	Mathematical methods in Physics – I	3	3
	PH010102	Classical Mechanics	4	4
	PH010103	Electrodynamics	4	4
	PH010104	Electronics	4	4
	PH010105	General Physics Practicals	10	4
			Total for Semester 1	25
II	PH010201	Mathematical methods in Physics – II	4	4
	PH010202	Quantum Mechanics – I	3	4
	PH010203	Statistical Mechanics	4	4
	PH010204	Condensed Matter Physics	4	4
	PH010205	Electronics Practicals	10	4
			Total for Semester 2	25
III	PH010301	Quantum Mechanics – II	4	4
	PH010302	Computational Physics	4	4
	PH010303	Atomic and Molecular Physics	4	4
		Elective – 1	3	3
		Advanced Elective Practicals	10	5
			Total for Semester 3	25
IV	PH010401	Nuclear and Particle Physics	5	4
		Elective – 2	5	3
		Elective – 3	5	3
	PH010402	Computational Physics Practicals	10	4
	PH010403	Project	-	5
	PH010404	Comprehensive viva voce	-	2
			Total for Semester 4	25
		Grand Total		80

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1.7 The Elective Bunches:

There are four Electives Bunches offered in this PGCSS Program. Each elective consists of a bunch of three theory courses and one laboratory course. The first theory course and the laboratory course of a bunch are placed in the Semester III, while the second and third are in Semester IV. An institution can select only one Elective Bunch in an academic year. The course structure of the Electives Bunches is given in Table 1.2

The Electives Bunches are named,

- (i) Bunch A : Electronics
- (ii) Bunch B : Material Science
- (iii) Bunch C : Informatics
- (iv) Bunch D : Theoretical Physics.

Table 1.2: The Elective Bunch

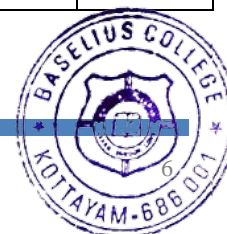
Bunch A: Electronics Specialization : Course code 80

Semester	Course Code	Course Title	No. of hrs / week	Credits
3	PH800301	Digital Signal Processing	3	3
4	PH800402	Micro Electronics and Semi Conductor Devices	5	3
4	PH800403	Communication Systems	5	3
3	PH800302	Advanced Practicals in Electronics	10	5

Bunch B: Materials Science Specialization : Course code 81

Semester	Course Code	Course Title	No. of hrs / week	Credits
3	PH810301	Solid State Physics for Materials	3	3
4	PH810402	Science of Advanced Materials	5	3
4	PH810403	Nanostructures and Materials Characterisation	5	3
3	PH810302	Advanced Practicals in Materials Science	10	5

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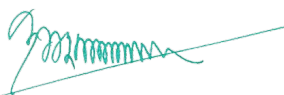
Bunch C: Informatics Specialization:Course code 82

Semester	Course Code	Course Title	No. of hrs / week	Credits
3	PH820301	Programming in JAVA and HTML	3	3
4	PH820402	Data Communication and Computer Networks	5	3
4	PH820403	Computer applications in Physics	5	3
3	PH820302	Practicals in Informatics	10	5

Bunch D: Theoretical Physics:Course code 83

Semester	Course Code	Course Title	No. of hrs / week	Credits
3	PH830301	General Relativity and Applications	3	3
4	PH830402	Nonlinear Dynamics	5	3
4	PH830403	Quantum Field Theory	5	3
3	PH830302	Special Computational Practicals	10	5

1.8 Distribution of Credit: The total credit for the program is fixed at 80. The distribution of credit points in each semester and allocation of the number of credit for theory courses, practicals, project and viva is shown in Table 1.1 and Table 1.2.



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M.SC. CHEMISTRY



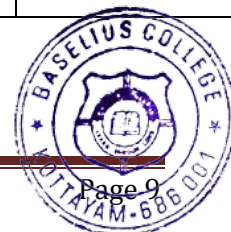
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PROGRAM STRUCTURE

	Code	Course	Hours / Week	Total Hours	Credit
Semester 1	CH 50 01 01	Organometallics and Nuclear Chemistry	4	72	4
	CH 50 01 02	Structural and Molecular Organic Chemistry	4	72	4
	CH 50 01 03	Quantum Chemistry and Group Theory	4	72	4
	CH 50 01 04	Thermodynamics, Kinetic Theory and Statistical Thermodynamics	3	54	4
	CH 50 02 05	Inorganic Chemistry Practical-1	3	54	Evaluation at the end of second semester
	CH 50 02 06	Organic Chemistry Practical-1	3	54	
	CH 50 02 07	Physical Chemistry Practical-1	4	72	
		Total	25	450	16
Semester 2	CH 50 02 01	Coordination Chemistry	4	72	4
	CH 50 02 02	Organic Reaction Mechanisms	4	72	4
	CH 50 02 03	Chemical Bonding and Computational Chemistry	4	72	3
	CH 50 02 04	Molecular Spectroscopy	3	54	3
	CH 50 02 05	Inorganic Chemistry Practical-1	3	54	3
	CH 50 02 06	Organic Chemistry Practical-1	3	54	3
	CH 50 02 07	Physical Chemistry Practical-1	4	72	3
			Total	25	450
Semester 3	CH 50 03 01	Structural Inorganic Chemistry	4	72	4
	CH 50 03 02	Organic Syntheses	4	72	4
	CH 01 03 03	Chemical Kinetics, Surface Chemistry and Crystallography	4	72	4
	CH 50 03 04	Spectroscopic Methods in Chemistry	3	54	4
	CH 01 04 05	Inorganic Chemistry Practical-2	3	54	Evaluation at the end of fourth semester
	CH 01 04 06	Organic Chemistry Practical-2	3	54	
	CH 01 04 07	Physical Chemistry Practical-2	4	72	

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		Total	25	450	16
		Elective(Group A)			
Semester 4	CH 80 04 01	Advanced Inorganic Chemistry	5	90	4
	CH 80 04 02	Advanced Organic Chemistry	5	90	4
	CH 80 04 03	Advanced Physical Chemistry	5	90	4
		Elective(GroupB)			
	CH 81 04 01	Advances In Polymer Science And Technology	5	90	4
	CH 81 04 02	Analytical Chemistry	5	90	4
	CH 81 04 03	Medicinal Chemistry	5	90	4
	CH 01 0404	Project			2
	CH 01 0405	Inorganic Chemistry Practical-2	3	54	3
	CH 01 0406	Organic Chemistry Practical-2	3	54	3
	CH 01 0407	Physical Chemistry Practical-2	4	72	3
	CH 01 0408	Viva			2
		Total	25	450	25
GRAND TOTAL					80


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10. Name of Electives:-

Group 1	Finance and Taxation
Group 2	Marketing and International Business
Group 3	Management and Information Technology

11. The Program Structure

Course Code	Title of the Course	Type of the Course	Hours per week	Credits
FIRST SEMESTER				
CM010101	Specialised Accounting	Core	5	4
CM010102	Organisational Behaviour	Core	5	3
CM010103	Marketing Management	Core	5	4
CM010104	Management Optimisation Techniques	Core	5	4
CM010105	Methodology for Social Science Research	Core	5	4
TOTAL FOR SEMESTER			25	19
SECOND SEMESTER				
CM010201	Advanced Corporate Accounting	Core	5	4
CM010202	Human Resource Management	Core	5	3
CM010203	International Business and Finance	Core	5	4
CM010204	Quantitative Techniques	Core	5	4
CM010205	Strategic Management	Core	5	4
TOTAL FOR THE SEMESTER			25	19
THIRD SEMESTER				
CM010301	Strategic Financial Management	Core	6	5
CM010302	Income Tax – Law and Practice	Core	7	5
CM010303	Security Analysis and Portfolio Management	Core	6	4
CM800301/ CM810301/ CM820301	Indirect Tax Laws (Group 1) Logistics and Supply Chain Management (Group 2) Total Quality Management (Group 3)	Core-Elective	6	4
TOTAL FOR THE SEMESTER			25	18
FOURTH SEMESTER				
CM010401	Advanced Cost and Management Accounting	Core	6	5
CM010402	Income Tax-Assessment and Procedure	Core	7	5
CM800401/ CM810401/ CM820401	Derivatives and Risk Management (Group 1) Retail and Rural Marketing (Group 2) E-Commerce and E-Business Management (Group 3)	Core-Elective	6	4
CM800402/ CM810402/ CM820402	Personal Investment and Behavioural Finance (Group 1) International Marketing (Group 2) Legal Framework for I.T. Based Business and Intellectual Property Rights (Group 3)	Core-Elective	6	4
CM010403	Project Report	Core-Project	Nil	4
CM010404	Comprehensive Viva Voce	Core-Viva	Nil	2
TOTAL FOR THE SEMESTER			25	24
TOTAL CREDITS FOR THE PROGRAMME				80

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