

AG & SG Siddhartha Degree College of Arts & Science (Autonomous) Vuyyuru

Course Structure - SEM I & II (2020-21 Academic Year)

Programme	Subjects	Title of the Paper	Marks		SEM - I		SEM - II	
			Int	Ext	HPW	CRE	HPW	CRE
Part I - Languages								
For all UG Courses	English	English Praxis Course I - ENG 101 English Praxis Course II - ENG 201	30	70	4	3	4	3
	Telugu	General Telugu - TEL 101 General Telugu - TEL 201	30	70	4	3	4	3
	Hindi	General Hindi - HIN 101 General Hindi - HIN 201	30	70	4	3	4	3
Part II - Core Subjects								
B.A	Economics	<u>SEM - I (ECO - 101)</u> Micro Economic Analysis	30	70	5	4		
		<u>SEM - II (ECO - 201)</u> Macro Economic Analysis					5	4
	History	<u>SEM - I (HIS - 101)</u> Ancient Indian History & Culture (From Indus Valley Civilization to 13th Century A.D)	30	70	5	4		
		<u>SEM - II (HIS - 201)</u> Medieval Indian History & Culture (1206 to 1764 A.D.)					5	4
	Political Science	<u>SEM - I (POL - 101)</u> Basic Concepts of Political Science	30	70	5	4		
		<u>SEM - II (POL - 201)</u> Basic organs of the Government					5	4
B.Sc (MPC)	Maths	<u>SEM - I (MAT - 101)</u> Differential Equations	30	70	6	5		
		<u>SEM - II (MAT - 201)</u> Solid Geometry					6	5
	Physics	<u>SEM - I (PHY - 101)</u> Mechanics & Properties of Matter	30	70	4	3		
		<u>SEM - II (PHY - 201)</u> Wave Optics					4	3
	Chemistry	<u>SEM - I (CHE - 101)</u> Inorganic & Physical Chemistry	30	70	4	3		
		<u>SEM - II (CHE - 201)</u> Organic and General Chemistry					4	3
B.Sc (IMPCs)	Maths	<u>SEM - I (MAT - 101)</u> Differential Equations	30	70	6	5		
		<u>SEM - II (MAT - 201)</u> Solid Geometry					6	5
	Physics	<u>SEM - I (PHY - 101)</u> Mechanics & Properties of Matter	30	70	4	3		
		<u>SEM - II (PHY - 201)</u> Wave Optics					4	3
	Computer Science	<u>SEM - I (CSC - 101)</u> Problem solving in 'C'	30	70	4	3		
		<u>SEM - II (CSC - 201)</u> Data Structures using C					4	3

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			Int	Ext	HPW	CRE	HPW	CRE
Part II - Core Subjects								
B.Sc (MCCs)	Maths	<u>SEM - I (MAT - 101)</u> Differential Equations	30	70	6	5		
		<u>SEM - II (MAT - 201)</u> Solid Geometry					6	5
	Chemistry	<u>SEM - I (CHE - 101)</u> Inorganic & Physical Chemistry	30	70	4	3		
		<u>SEM - II (CHE - 201)</u> Organic and General Chemistry					4	3
	Computer Science	<u>SEM - I (CSC - 101)</u> Problem solving in 'C'	30	70	4	3		
		<u>SEM - II (CSC - 201)</u> Data Structures using C					4	3
B.Sc (BZC)	Botany	<u>SEM - I (BOT - 101)</u> Fundamentals of Microbes and Non-vascular Plants	30	70	4	3		
		<u>SEM - II (BOT - 201)</u> Basics of Vascular plants and Phytogeography					4	3
	Zoology	<u>SEM - I (ZOO - 101)</u> Biology of Non-chordates	30	70	4	3		
		<u>SEM - II (ZOO - 201)</u> Animal Diversity - Biology of Chordates					4	3
	Chemistry	<u>SEM - I (CHE - 101)</u> Inorganic & Physical Chemistry	30	70	4	3		
		<u>SEM - II (CHE - 201)</u> Organic and General Chemistry					4	3
B.Sc (AQU)	Botany	<u>SEM - I (BOT - 101)</u> Fundamentals of Microbes and Non-vascular Plants	30	70	4	3		
		<u>SEM - II (BOT - 201)</u> Basics of Vascular plants and Phytogeography					4	3
	Aquaculture	<u>SEM - I (AQU - 101)</u> Basic Principles of Aquaculture	30	70	4	3		
		<u>SEM - II (AQU - 201)</u> Biology of fin fish & shell fish					4	3
	Chemistry	<u>SEM - I (CHE - 101)</u> Inorganic & Physical Chemistry	30	70	4	3		
		<u>SEM - II (CHE - 201)</u> Organic and General Chemistry					4	3
B.Com (Gen)	Commerce	<u>SEM - I (CACC - 101G/C)</u> Fundamentals of Accounting-I	30	70	5	4		
		<u>SEM - II (CACC - 201G/C)</u> Fundamentals of Accounting-II					5	4
		<u>SEM - I (CBOM - 102G/C)</u> Business Organization & Management	30	70	5	4		
		<u>SEM - II (CBE - 202G/C)</u> Business Economics					5	4
		<u>SEM - I (CBEN - 103G)</u> Business Environment	30	70	5	4		
		<u>SEM - II (CBTP - 203G)</u> Banking Theory & Practice					5	4

Course Structure - SEM I & II (2020-21 Academic Year)

Programme	Subjects	Title of the Paper	Marks		SEM - I		SEM - II	
			Int	Ext	HPW	CRE	HPW	CRE
B.Com (Comp)	Commerce	<u>SEM - I (CACC - 101G/C)</u> Fundamentals of Accounting-I	30	70	5	4		
		<u>SEM - II (CACC - 201G/C)</u> Fundamentals of Accounting-II					5	4
		<u>SEM - I (CBOM - 102G/C)</u> Business Organization & Management	30	70	5	4		
		<u>SEM - II (CBE - 202G/C)</u> Business Economics					5	4
		<u>SEM - I (CCSC - 103)</u> Intro. to Information Technology - Theo & Pra	30	70	4	3		
		<u>SEM - II (CCSC - 203)</u> e-Commerce & Web Designing - Theo & Pra					5	3
ALL	CSP 201P	Community Service Project	0	100			2 months	4

Part III

LIFE SKILL COURSE/	Life Skill Course All Degree Courses	<u>SEM - I (HUM - 101)</u> Human Values & Professional Ethics	0	50	2	2		
	Skill Dev. Course B.A	<u>SEM - I (PR - 101)</u> Public Relations	0	50	2	2		
	Skill Dev. Course B.Com (Gen & Comp)	<u>SEM - I (CIP - 101G/C)</u> Insurance Promotion	0	50	2	2		
	Skill Dev. Course MPC, MPCs & MCCs	<u>SEM - I (EA - 101)</u> Electrical Appliances	0	50	2	2		
	Skill Dev. Course BZC & AQU	<u>SEM - I (PNT - 101)</u> Plant Nursery	0	50	2	2		
SKILL DEVELOPMENT COURSE	Life Skill Course All Degree Courses	<u>SEM - II (ICT - 201)</u> Information & Communication Technology	0	50			2	2
	Skill Dev. Course B.A	<u>SEM - II (SW - 201)</u> Social Work	0	50			2	2
	Skill Dev. Course B.Com (Gen & Comp)	<u>SEM - II (CAD - 201G/C)</u> Advertising	0	50			2	2
	Skill Dev. Course B.Sc.	<u>SEM - II (FA - 201)</u> Food Adulteration	0	50			2	2
	Skill Dev. Course B.A	<u>SEM - II (JR - 201)</u> Journalistic Reporting	0	50			2	2
Skill Dev. Course B.Com (Gen & Comp)	<u>SEM - II (BC - 201)</u> Business Communication	0	50			2	2	
Skill Dev. Course B.Sc.	<u>SEM - II (SE - 201)</u> Solar Energy	0	50			2	2	

Note: 1) For Physics, Chemistry, Botany, Zoology, Aquaculture and Computers 3 credits are allotted for theory part and 2 credits for practical part.

2) For B.Sc Programmes at the end of each and every sem there is practical exams.

3) For B.Com Computers 3 credits are allotted for theory part and 1 credit for practical part.

AG & SG Siddhartha Degree College of Arts & Science (Autonomous) Vuyyuru

Course Structure - SEM III & IV (2019 Batch)

Programme	Subjects	Title of the Paper	Marks		SEM - III		SEM - IV	
			Int	Ext	HPW	CRE	HPW	CRE
Part - I								
For all UG Courses	English	General English - ENG 301	30	70	4	3
	Telugu	General Telugu - TEL 301	30	70	4	3
	Hindi	General Hindi - HIN 301	30	70	4	3
Part II - Core Subjects								
B.A	Economics	<u>SEM - III (ECO - 301)</u> Macro Economics - National Income, Employment and Money	30	70	5	4		
		<u>SEM - IV (ECO - 401)</u> Banking and International Trade					5	4
	History	<u>SEM - III (HIS - 301)</u> Late Medieval & Colonial History of India (1526 to 1857 A. D.)	30	70	5	4		
		<u>SEM - IV (HIS - 401)</u> Social Reform Movement & Freedom Struggle (1820 to 1947 A.D.)					5	4
	Political Science	<u>SEM - III (POL - 301)</u> Indian Constitution	30	70	5	4		
		<u>SEM - IV (POL - 401)</u> Indian Political Process					5	4
B.Sc (MPC)	Maths	<u>SEM - III (MAT - 301)</u> Abstract Algebra & Real Analysis - I	30	70	6	5		
		<u>SEM - IV (MAT - 401)</u> Abstract Algebra & Real Analysis - II					6	5
	Physics	<u>SEM - III (PHY - 301)</u> Wave Optics	30	70	4	3		
		<u>SEM - IV (PHY - 401)</u> Thermodynamics & Radiation Physics					4	3
	Chemistry	<u>SEM - III (CHE - 301)</u> Inorganic and Organic Chemistry	30	70	4	3		
		<u>SEM - IV (CHE - 401)</u> Spectroscopy and Physical Chemistry					4	3
B.Sc (MPCs)	Maths	<u>SEM - III (MAT - 301)</u> Abstract Algebra & Real Analysis - I	30	70	6	5		
		<u>SEM - IV (MAT - 401)</u> Abstract Algebra & Real Analysis - II					6	5
	Physics	<u>SEM - III (PHY - 301)</u> Wave Optics	30	70	4	3		
		<u>SEM - IV (PHY - 401)</u> Thermodynamics & Radiation Physics					4	3
	Computer Science	<u>SEM - III (CSC - 301)</u> Object Oriented Programming Using Java	30	70	4	3		
		<u>SEM - IV (CSC - 401)</u> Data Structures					4	3

Course Structure - SEM III & IV (2019 Batch)

Programme	Subjects	Title of the Paper	Marks		SEM - III		SEM - IV	
			Int	Ext	HPW	CRE	HPW	CRE
Part II - Core Subjects								
B.Sc (MCCs)	Maths	<u>SEM - III (MAT - 301)</u> Abstract Algebra & Real Analysis - I	30	70	6	5		
		<u>SEM - IV (MAT - 401)</u> Abstract Algebra & Real Analysis - II					6	5
	Chemistry	<u>SEM - III (CHE - 301)</u> Inorganic and Organic Chemistry	30	70	4	3		
		<u>SEM - IV (CHE - 401)</u> Spectroscopy and Physical Chemistry					4	3
	Computer Science	<u>SEM - III (CSC - 301)</u> Object Oriented Programming Using Java	30	70	4	3		
		<u>SEM - IV (CSC - 401)</u> Data Structures					4	3
B.Sc (BZC)	Botany	<u>SEM - III (BOT - 301)</u> Plant Taxonomy and Plant Physiology	30	70	4	3		
		<u>SEM - IV (BOT - 401)</u> Plant Embryology and Plant Metabolism					4	3
	Zoology	<u>SEM - III (ZOO - 301)</u> Cytology, Genetics and Evolution	30	70	4	3		
		<u>SEM - IV (ZOO - 401)</u> Embryology, Physiology and Ecology					4	3
	Chemistry	<u>SEM - III (CHE - 301)</u> Inorganic and Organic Chemistry	30	70	4	3		
		<u>SEM - IV (CHE - 401)</u> Spectroscopy and Physical Chemistry					4	3
B.Sc (AQU)	Botany	<u>SEM - III (BOT - 301)</u> Plant Taxonomy and Plant Physiology	30	70	4	3		
		<u>SEM - IV (BOT - 401)</u> Plant Embryology and Plant Metabolism					4	3
	Aquaculture	<u>SEM - III (AQU - 301)</u> Fish Nutrition and Feed Technology	30	70	4	3		
		<u>SEM - IV (AQU - 401)</u> Fresh water & Brackish water Aquaculture					4	3
	Chemistry	<u>SEM - III (CHE - 301)</u> Inorganic and Organic Chemistry	30	70	4	3		
		<u>SEM - IV (CHE - 401)</u> Spectroscopy and Physical Chemistry					4	3

Course Structure - SEM III & IV (2019 Batch)

Programme	Subjects	Title of the Paper	Marks		SEM - III		SEM - IV	
			Int	Ext	HPW	CRE	HPW	CRE
B.Com (Gen & Comp)	Commerce	<u>SEM - III (CCA - 301G/C)</u> Corporate Accounting (Gen & Comp)			5	4		
		<u>SEM - IV</u> <u>CASO - 401G</u> Accounting for Service organizations (Gen) <u>CBTP - 401C</u> Banking Theory & Practice (Comp)	30	70			5	4
		<u>SEM - III (CBS - 302G/C)</u> Business Statistics (Gen & Comp)	30	70	5	4		
		<u>SEM - IV (CBL - 402G/C)</u> Business Laws (Gen & Comp)					5	4
		<u>SEM - III</u> <u>CBTP - 303G</u> Banking Theory & Practice (Gen) <u>CCSC - 303</u> Office Automation Tools-Theo & Pra (Comp)	30	70	5	4		
		<u>SEM - IV</u> <u>CIT - 403G</u> Income Tax (Gen) <u>CCSC - 403</u> Programming in C - Theo & Pra (Comp)					5	4
Part III - Foundation Courses								
For all UG Courses	Foundation Course-5 ICT-2	<u>SEM - III (ICT - 301)</u> Information and Communication Technology (ICT) – 2	0	50	2	2		
	Foundation Course-6 CSS-2	<u>SEM - III (CSS - 301)</u> Communication and Soft Skills (CSS)-2	0	50	2	2		
	Foundation Course-7 CSS-3	<u>SEM - IV (CSS - 401)</u> Communication and Soft Skills (CSS)-3	0	50			2	2
	Foundation Course-8	<u>SEM - IV (ASO - 402)</u> Analytical Skills	0	50			2	2
	Foundation Course-9	<u>SEM - IV (ENP - 403)</u> Entrepreneurship	0	50			2	2
	Foundation Course-10	<u>SEM - IV (LEP - 404)</u> Leadership Education	0	50			2	2

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Course Structure - SEM - V (2018 Batch)

Programme	Economics - ECO 501		Economics - ECO 502	
B.A	HPW - 5	Credits - 4	HPW - 5	Credits - 4
	Economic Development & Indian Economy		Indian & Andhra Pradesh Economy	
	History - HIS 501		History - HIS 502	
	HPW - 5	Credits - 4	HPW - 5	Credits - 4
	Age of Rationalism & Humanism The World between 15th & 18th Centuries		History & Culture of Andhra Desa From 12th to 19th Century A.D.	
	Political Science - POL 501		Political Science - POL 502	
	HPW - 5	Credits - 4	HPW - 5	Credits - 4
	Indian Political Thought		Western Political Thought	

Programme	1. Business Leadership - CBLP 501G/C		Banking & Financial Services (Cluster)	
B.Com Gen	HPW - 2	Credits - 2		
	2. Cost Accounting - CCOA 502G/C		5. Central Banking - CCB 505G	
	HPW - 5	Credits - 4	HPW - 5	Credits - 4
	3. Goods & Services Tax Fundamentals - CGST 503G		6. Rural & Farm Credit - CRC 506	
	HPW - 5	Credits - 4	HPW - 5	Credits - 4
	4. Commercial Geography - CCG 504G/C		7. Project work - CRCS 507P	
	HPW - 5	Credits - 4		Credits - 4

Programme	1. Business Leadership - CBLP 501G/C		5. Object Oriented Programming using Java - Theo & Pra (CCSC 505)	
B.Com - Comp	HPW - 2	Credits - 2	HPW - 4	Credits - 3
	2. Cost Accounting - CCOA 502G/C		6. Data Base Manag. Systems - Theo & Pra (CCSC 506)	
	HPW - 5	Credits - 4	HPW - 4	Credits - 3
	3. Taxation - CTAX 503C		7. Web Technologies - CCSC 507	
	HPW - 5	Credits - 4	HPW - 5	Credits - 4
	4. Commercial Geography - CCG 504G/C			
	HPW - 5	Credits - 4		

Programme	Mathematics - MAT 501		Mathematics - MAT 502	
MPC - T/E	HPW - 5	Credits - 5	HPW - 5	Credits - 5
	Vector Calculus & Ring Theory		Linear Algebra	
	Physics - PHY 501		Physics - PHY 502	
	HPW - 4	Credits - 3	HPW - 4	Credits - 3
	Electricity, Magnetism & Electronics		Modern Physics	
	Chemistry - CHE 501		Chemistry - CHE 502	
	HPW - 4	Credits - 3	HPW - 4	Credits - 3
	Inorganic, Organic & Physical Chemistry		Inorganic, Organic & Physical Chemistry	

Course Structure - SEM - V (2018 Batch)

Programme	Mathematics - MAT 501		Mathematics - MAT 502	
MPCs	HPW - 5	Credits - 5	HPW - 5	Credits - 5
	Vector Calculus & Ring Theory		Linear Algebra	
	Physics - PHY 501		Physics - PHY 502	
	HPW - 4	Credits - 3	HPW - 4	Credits - 3
	Electricity, Magnetism & Electronics		Modern Physics	
	Computer Science - CSC 501		Computer Science - CSC 502	
	HPW - 4	Credits - 3	HPW - 4	Credits - 3
	Data Base Management Systems		Software Engineering	

Programme	Mathematics - MAT 501		Mathematics - MAT 502	
MCCs	HPW - 5	Credits - 5	HPW - 5	Credits - 5
	Vector Calculus & Ring Theory		Linear Algebra	
	Chemistry - CHE 501		Chemistry - CHE 502	
	HPW - 4	Credits - 3	HPW - 4	Credits - 3
	Inorganic, Organic & Physical Chemistry		Inorganic, Organic & Physical Chemistry	
	Computer Science - CSC 501		Computer Science - CSC 502	
	HPW - 4	Credits - 3	HPW - 4	Credits - 3
	Data Base Management Systems		Software Engineering	

Programme	Botany - BOT 501		Botany - BOT 502	
BZC - T/E	HPW - 4	Credits - 3	HPW - 4	Credits - 3
	Cell Biology, Genetics & Plant breeding		Plant Ecology & Phytogeography	
	Zoology - ZOO 501		Zoology - ZOO 502	
	HPW - 4	Credits - 3	HPW - 4	Credits - 3
	Animal Biotechnology		Animal Husbandry	
	Chemistry - CHE 501		Chemistry - CHE 502	
	HPW - 4	Credits - 3	HPW - 4	Credits - 3
	Inorganic, Organic & Physical Chemistry		Inorganic, Organic & Physical Chemistry	

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Course Structure SEM - VI (2018 Batch)

Subject	Economics - ECO 601GE	
Economics	HPW - 5	Credits - 4
	Agricultural Economics	

Subject	History - HIS 601GE	
History	HPW - 5	Credits - 4
	History of Modern Europe (from 19 th Century to 1945 A. D.)	

Subject	Political Science - POL 601GE		Political Science - POL 602CE	
Political Science	HPW - 5	Credits - 4	HPW - 5	Credits - 4
	Local Self Government in A.P.		International Relations	
	Political Science - POL 603CE		Political Science - POL 604P	
	HPW - 5	Credits - 4	HPW - 5	Credits - 4
	Indian Foreign Policy		Project Work	

Programme	Note: Skill based course is Event Management - CEM 601 G/C (HPW-2, CRE-2)			
B.Com - Gen	Commerce - CM 602GE G/C		Commerce - CFS 605CE G	
	HPW - 5	Credits - 4	HPW - 5	Credits - 4
	Marketing		Financial Services	
	Commerce - CAU 603GE G/C		Commerce - CMFS 606CE G	
	HPW - 5	Credits - 4	HPW - 5	Credits - 4
	Auditing		Marketing of Financial Services	
	Commerce - CMA 604GE G/C		Commerce - CFS 607P	
	HPW - 5	Credits - 4		Credits - 4
	Management Accounting		Project Work	

Programme	Note: Skill based course is Event Management - CEM 601 G/C (HPW-2, CRE-2)			
B.Com - Comp	Commerce - CM 602GE G/C		Computers - CCSC 605CE	
	HPW - 5	Credits - 4	HPW - 4	Credits - 3
	Marketing		Tally - Theo & Pra	
	Commerce - CAU 603GE G/C		Computers - CCSC 606CE	
	HPW - 5	Credits - 4	HPW - 5	Credits - 4
	Auditing		e-Commerce	
	Commerce - CMA 604GE G/C		Computers - CCSC 607CE	
	HPW - 5	Credits - 4	HPW - 4	Credits - 3
	Management Accounting		PHP and My SQL - Theo & Pra	

Course Structure SEM - VI (2018 Batch)

Subject	Mathematics - MAT 601GE		Mathematics - MAT 602CE	
Mathematics	HPW - 5	Credits - 5	HPW - 5	Credits - 5
	Numerical Analysis		Integral Transforms	
	Mathematics - MAT 603CE		Mathematics - MAT 604P	
	HPW - 5	Credits - 5		Credits - 5
	Advanced Numerical Analysis		Project Work	

Subject	Physics - PHY 601GE		Physics - PHY 602CE	
Physics	HPW - 4	Credits - 3	HPW - 4	Credits - 3
	Analog and Digital Electronics		Introduction to Microprocessors and Microcontrollers	
	Physics - PHY 603CE		Physics - PHY 604CE	
	HPW - 4	Credits - 3	HPW - 4	Credits - 3
	Computational Methods and Programming		Electronic Instrumentation	

Subject	Chemistry - CHE 601GE		Chemistry - CHE 602CE	
Chemistry	HPW - 4	Credits - 3	HPW - 4	Credits - 3
	Analytical methods in chemistry		Organic Spectroscopic Techniques	
	Chemistry - CHE 603CE		Chemistry - CHE 604CE	
	HPW - 4	Credits - 3	HPW - 4	Credits - 3
	Advanced Organic Reactions		Pharmaceutical & Medicinal Chemistry	

Subject	Botany - BOT 601GE		Botany - BOT 602CE	
Botany	HPW - 4	Credits - 3	HPW - 4	Credits - 3
	Plant tissue culture and its biotechnological applications		Plant Diversity & Human Welfare	
	Botany - BOT 603CE		Botany - BOT 604CE	
	HPW - 4	Credits - 3	HPW - 4	Credits - 3
	Ethnobotany & Medicinal Botany		Pharmacognosy and Phytochemistry	

Subject	Zoology - ZOO 601GE		Zoology - ZOO 602CE	
Zoology	HPW - 4	Credits - 3	HPW - 4	Credits - 3
	Immunology		Principles of Aquaculture	
	Zoology - ZOO 603CE		Zoology - ZOO 604CE	
	HPW - 4	Credits - 3	HPW - 4	Credits - 3
	Aquaculture Management		Postharvest Technology	

Subject	Computers - CSC 601GE		Computers - CSC 602CE	
Computer Science (MPCs & MCCs)	HPW - 4	Credits - 3	HPW - 4	Credits - 3
	Web Technologies		PHP - My SQL & Wordpress	
	Computers - CSC 603CE		Computers - CSC 604P	
	HPW - 4	Credits - 3		Credits - 5
	Advanced Java script: JQuery, Ajax, Angular JS & JSON		Project Work	

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