



ANDHRA LOYOLA COLLEGE

AUTONOMOUS :: VIJAYAWADA - 520 008

Established : 1954

A CHRISTIAN MINORITY COLLEGE WITH CONSTITUTIONALLY PROVIDED RIGHT OF ADMISSION
(AN ISO 14001 : 2015 INSTITUTION)

THE ONLY COLLEGE IN BOTH THE TELUGU STATES TO HAVE BEEN RANKED AMONG
THE TOP 150 COLLEGES BY NIRF SINCE THE INCEPTION OF THE RANKING IN 2017

SELECTED UNDER THE STAR COLLEGE SCHEME OF DBT AND FIST PROGRAMME OF DST, GOVT.OF INDIA
SELECTED FOR ENHANCEMENT OF QUALITY AND EXCELLENCE UNDER RUSA BY MHRD, GOVT.OF INDIA

COURSE STRUCTURES

A College Dedicated to All-Round Development of its Students



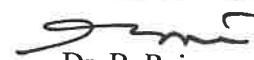
STRUCTURE OF THE COURSES [ODD SEMESTERS-2018-2019]

ANDHRA LOYOLA COLLEGE[AUTONOMOUS], DEPARTMENT OF ENGLISH B.Sc./B.A/B.Com/B.B.A-Semesters I, III & V (Revised CBCS) STRUCTURE OF THE COURSES [ODD SEMESTERS-2018-2019]					
GENERAL ENGLISH COURSES					
Year	Semester	Course	Title of the Course	No. of Hrs/W	COURSE CODES
1	I	1	ENGLISH COMMUNICATION SKILLS/MIL	4	ENG111ECS
FOUNDATION COURSE					
1	I	FC	COMMUNICATION & SOFT SKILLS-I	2	FOUCSSI
2	III	3	ENGLISH COMMUNICATION SKILLS-III	4	ENG233CS
ENGLISH LANGUAGE LAB					
2	III	3	GENERAL ENGLISH LANGUAGE LAB	2	ENG233(P)
FOUNDATION COURSES					
2	III	FC	COMMUNICATION AND SOFT SKILLS [CSS-2]	3	FOU244CSS2
COURSES: ENGLISH LITERATURE					
Year	Semester	Course	Title of the Course	No. of Hrs/W	
1	I	1	HISTORY OF ENGLISH LANGUAGE AND LITERATURE	4	ENG111HEL
ENGLISH LANGUAGE LAB					
1	I	LAB	ENGLISH LITERATURE(P)-1	2	ENGHEL(P)
2	III	3	BRITISH LITERATURE	4	ENG233BL
ENGLISH LANGUAGE LAB					
2	III		ENGLISH PRACTICAL-III	2	ENG233BL(P)
	V	5	CULTURAL DIVERSITY, GENDER AND HUMAN RIGHTS	4	ENG355CD
ENGLISH LANAUGE LAB					
3		LAB	ENGLISH LITERATURE (P)V	2	ENG55WE(P)
		6	CONTEMPORARY INDIAN WRITINGS AND FILM STUDIES	4	ENG356CIW

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STRUCTURE OF THE COURSES [EVEN SEMS. -2018-19]

ANDHRA LOYOLA COLLEGE[AUTONOMOUS], DEPARTMENT OF ENGLISH B.Sc./B.A/B.Com/B.B.A-Semesters I, III & V (Revised CBCS) STRUCTURE OF THE COURSES [EVEN SEMS. -2018-19]					
GENERAL ENGLISH COURSES					
Year	Semester	Course	Title of the Course	No. of Hrs/W	COURSE CODES
1	II	2	ENGLISH COMMUNICATION SKILLS/MIL	4	ENG122ECS
2	IV	4	COMMUNICATION & SOFT SKILLS(CSS-III)	4	ENG244CSS
FOUNDATION COURSE					
2	IV	FC	COMMUNICATION AND SOFT SKILLS [CSS-2]	3	FOU244CSS2
COURSES: ENGLISH LITERATURE					
Year	Semester	Course	Title of the Course	No. of Hrs/W	COURSE CODES
1	II	2	AN INTRODUCTION TO LITERARY CRITICISM & LITERARY THEORY	4	ENG122ILC
ENGLISH LANGUAGE LAB					
1	II	LAB	ENGLISH LITERATURE(P)-2	2	ENG122ILC(P)
2	IV	4	LITERARY CROSS CURRENTS	4	ENG244LCC
3	VI	7	ENGLISH FOR LANGUAGE & LINGUISTICS	4	ENG367EL
ENGLISH LANGUAGE LAB					
3	VI	LAB	ENGLISH LITERATURE VII(P)	2	ENG637EL(P)
3	VI	8-A	ENGLISH LANGUAGE TEACHING	4	ENG368C1ELT
3	VI	8-B	SECOND LANGUAGE ACQUISITION	4	ENG368C2SLA
3	VI	8-C	AN INTRODUCTION TO SOCIOLINGUISTICS	4	ENG368C3ILS


Dr. B. Raju

Head, Department of English

ANDHRA LOYOLA COLLEGE (AUTONOMOUS): VIJAYAWADA:8

DEPARTMENT OF TELUGU COURSES

COURSE STRUCTURE 2018-2019

S.No.	Semester	Course Code	Title of the Course	No.of Hrs/W	No.of Credits
1	I	TEL.111	CLASSICAL POETRY, MODREN	4	3
			POETRY, PROSE, SHORT STORIS RYSSSTORIES AND GRAMMER	4	3
2	II	TEL.122	CLASSICAL POETRY, MODREN	4	3
			POETRY, PROSE, NOVELS AND GRAMMER	4	3
3	III	TEL.233	CLASSICAL POETRY, MODREN	4	3
			POETRY, PROSE, NOVELS AND GRAMMER	4	3

Foundation/Add on/Certificate/Diploma/Online Courses

S.No.	Semester	Course Code	Title of the Course	No.of Hrs/W	No.of Credits
1	I&II	DTP1	Telugu DTP	2	2
2	III&IV	WB 11	Web Designing	2	2

K. Sathya
HOD

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**HINDI LANGUAGE
COURSE STRUCTURE 2018-19**

B.Sc. Hindi Department COURSE STRUCTURE						
Year	Semester	Course Code	Title of the Course	Marks	No.of Hrs/W	No.of Credits
1	I	HIN111PNG	Prose, Non-detailed & Applied Grammar -I	100	4	3
	II	HIN122PNA	Prose, Non-detailed & Applied Grammar -II	100	4	3
2	III	HIN233HLT	Poetry, History of Hindi Literature & Translation	100	4	3

K. Sathya
HOD

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SANSKRIT LANGUAGE

COURSE STUCTURE 2018 - 19

DEPARTMENT OF SANSKRIT

Courses offered by the Department

Theory

S.No.	Semester	Course Code	Title of the Course	No.of Hrs/W	No.of Credits
1	I	SKT111	Poetry , Prose & Grammar-1	4	3
2	II	SKT222	Poetry , Prose & Grammar-1I	4	3
3	III	SKT333	Drama , History Of Sanskrit Sanskrit Literature & Alankaras	4	3

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ANDHRA LOYOLA COLLEGE (AUTONOMOUS)

VIJAYAWADA- 520 008

DEPARTMENT OF ECONOMICS - COURSE STRUCTURE

SEMESTER I, II,III IV,V,VI (REVISED CBCS)

B.A. - Economics, History, Political Science

2018-19					
ECONOMICS COURSE STRUCTURE					
SEM	CORE/ Foundation Course (FC) / Certificate Course	COURSE CODE	COURSE TITLE	No.of Hrs/W	No. of Credits
I	Core 1 - Theory	ECO111ME1	Microeconomics–I	5	4
II	Core 2 - Theory	ECO122ME2	Microeconomics–II	5	4
III	Core 3 - Theory	ECO233ME1	Macro Economic I	5	4
IV	Core 4 - Theory	ECO234ME2	Macro Economic II	5	4
V	Core 5 - Theory	ECO355EDI	Economic Development and Indian Economy	5	4
	Core 6 - Theory	ECO356QTS	Quantitative Techniques and Statistical Applications	5	4
VI	Core - Theory				
	Core 7 - Theory	ECO367PF	Public Finance	5	4
	Cluster A - Theory	ECO368C1PE	A-1: Public Economics	5	4
	Cluster B - Theory	ECO368C2IBS	A-2: Indian banking system	5	4
	Cluster C - Theory	ECO368C3RFC	A-3:. Rural and Farm Credit	5	4

Dr. Baby Rani Bommadevara
Head, Department of Economics

ANDHRA LOYOLA COLLEGE (Autonomous), VIJAYAWADA
DEPARTMENT OF POLITICAL SCIENCE
COURSE STRUCTURE FOR THE SEMESTERS 2018-19

SEMESTER	PAPER	NAME OF THE PAPER	Course Code	NO OF HOURS	NO OF CREDITS
I	I	Introduction to Political Theory	POL/111	5	4
II	II	Indian Government and Politics	POL/122	5	4
III	III	Comparative Government and Politics	POL/233	5	4
IV	IV	Introduction To International Relations	POL/244	5	4
V	V	Indian Political Thought	POL/355	5	4
V	VI	Western Political Thought	POL/356	5	4
VI	VII	Principals Of Public Administration	POL/367	5	4

A. Unnikrishnan

Andhra Loyola College
Department of Statistics
Course Structure for the academic year 2018-19

Year	Semester	Course Code	Course Title	Hours per Week	No. of Credits
I	I	STA111DSP	Descriptive Statistics & Theory of Probability	3	3
		STA111DSP (P)	Descriptive Statistics & Theory of Probability Practicals	3	2
	II	STA122PD	Probability Distributions	3	3
		STA122PD (P)	Probability Distributions Practicals	3	2
II	III	STA233SMS	Statistical Methods and Exact Sampling Distributions	3	3
		STA233SMS (P)	Statistical Methods and Exact Sampling Distributions Practicals by Using MS-Excel	3	2
	IV	STA244SI	Statistical Inference	3	3
		STA244SI (P)	Statistical Inference Practicals by Using MS-Excel	3	2
III	V	STA355DES	Design of Experiments & Sample Surveys	3	3
		STA355DES (P)	Design of Experiments & Sample Surveys (P)	3	2
		STA356OR	Operations Research	3	3
		STA356OR (P)	Operations Research Practicals by Using SPSS (P)	3	2
		STA367AS	Applied Statistics	3	3
		STA367AS (P)	Applied Statistics (P)	3	2
		STA368C1SQC	Statistical Quality Control	3	3

Dr. Srinivasa Kumar

	VI	STA368C1SQC (P)	Statistical Quality Control Practicals by Using SPSS (P)	3	2
		STA368C2OT	Optimization Techniques	3	3
		STA368C2OT (P)	Optimization Techniques (P)	3	2
		STA368C3BSD	Basic Statistical Data Analysis Using R	3	3
		STA368C3BSD (P)	Basic Statistical Data Analysis Using R Practicals	3	2
		PRJ360STA	Project Work		3


Course Structure for the academic year 2018-19
For Big Data Analytics and Artificial Intelligence

Year	Semester	Course Code	Course Title	Hours per Week	No. of Credits
I	I	STA111SM	Statistical Methods	3	3
		STA111SM (P)	Statistical Methods Practicals	3	2
	II	STA122BPT	Basic Probability Theory	3	3
		STA122BPT (P)	Basic Probability Theory Practicals	3	2

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BSc Physics Course Structure for 2018-19

ANDHRA LOYOLA COLLEGE (AUTONOMOUS) VIJAYAWADA-8					
DEPARTMENT OF PHYSICS					
COURSE STRUCTURE FOR ODD & EVEN SEMESTERS OF 2018-19					
Year	Semester	Course	Title of the Course	Number of HRS / week	Number of Credits
I BSc	1	1	Mechanics, and Properties of Matter Course code – PHY111	3	3
			Practical course - I	3	2
	2	2	Waves Oscillations Course code – PHY122WO	3	3
			Practical course – II	3	2
II BSc	3	3	Wave Optics Course code - PHY233	3	3
			Practical Course – III	3	2
	4	4	Thermal Physics Course code - PHY244TPH	3	3
			Practical course – IV	3	2
III BSc	5	6	Electricity & Magnetism (old pattern) Course code – PHY355	3	3
			Practical course – IV	3	2
		7	Atomic, Molecular & Nuclear Physics Course code – PHY356	3	3
			Practical course – VII	3	2
	6	8	Analog & Digital Electronics Course code – PHY367ADE	3	3
			Practical course – VIII	3	2
		9 (1)	Introduction to Microprocessors & Micro controllers Course code - PHY368C1IM	3	3
			Practical course – IX (1)	3	2
		9 (2)	Computational Methods & Programming IX (2) Course code – PHY368C2CP	3	3
			Practical course – IX (2)	3	2
		9 (3)	Electronic Instrumentation Course code – PHY368C3EI	3	3
			Practical course – IX (2)	3	2


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ANDHRA LOYOLA COLLEGE (AUTONOMOUS): VIJAYAWADA:8
B.Sc. Chemistry COURSE STRUCTURE
ACADEMIC YEAR 2018-19

ACADEMIC YEAR 2018-19						
Year	Semester	Course	Title of the Course	COURSE CODE	Hrs/W	No. of Credits
1	I	1	Inorganic chemistry and Organic chemistry	CHE111IOC	4	3
			Practical-I Volumetric analysis	CHE111VA(P)	3	2
	II	2	Physical & organic chemistry	CHE122OPC	4	3
			Practical-II Physical & organic chemistry	CHE122OPC(P)	3	2
2	III	3	Organic and Physical chemistry	CHE233OPC	4	3
			Practical-III Analysis of organic Compounds	CHE233AOC(P)	3	2
	IV	4	Inorganic and Physical chemistry	CHE244IPC	4	3
			Practical-IV Analytical skill	CHE244AS(P)	3	2
3	V	5	Organic chemistry and spectroscopy of organic compounds	CHE355OSC	3	3
		Lab	Practical-V: Physical chemistry	CHE355PI(P)	3	2
		6	Inorganic and physical chemistry	CHE356IPC	3	3
		Lab	Practical-VI: Instrumental methods of Analysis	CHE356IA(P)	3	2
	VI	7	Analytical methods of chemistry and general chemistry	CHE367AM	3	3
		Lab	Practical-VII: Analytical and Inorganic chemistry	CHE367AM(P)	3	2
		8 A	Organic spectroscopy & chemistry of natural products	CHE368C1OSC	3	3
		Lab	Practical-VIII A	368C1SOP(P)	3	2
		8 B	Mechanism and principle of organic synthesis	CHE368C2MPOS	3	3
		Lab	Practical-VIII B	CHE368C2MPOS(P)	3	2
		8 C	Pesticide, pharmaceutical and quantum chemistry	CHE368C3PQC	3	3
		Lab	Practical-VIII C	CHE368C3DCC(P)	3	2
			PROJECT WORK	PRJ360CHE		

[Signature]
 HoD Chemistry



ANDHRA LOYOLA COLLEGE

A college with potential for excellence
Reaccredited with CGPA 3.66/4.00 at Grade A+ by NAAC in the III Cycle

Department of History Syllabus 2018 – 19

HISTORY OVERALL COURSE LAYOUT					
SECTION	SEMESTER	PAPER	PAPER CODE	COURSE NAME	APPROVED BY
1 st B.A	I	1		History of India from Earliest times up to 300 CE	U.G.C
	II	2		History of India from C.300 to 1206	U.G.C
2 nd B.A	III	3		History of India from C.1206 to 1707	U.G.C
	IV	4		History of India from C.1707 to 1950	U.G.C
3 rd B.A	V	5		Age of rationalism and humanism the world between 15th & 18th centuries	A.P.S.C.H.E
	VI	6		History & culture of Andhra Desa	A.P.S.C.H.E
	VII (A)	7 (A)		History of modern Europe (1821 – 1945))	A.P.S.C.H.E
CLUSTER ELECTIVES	VIII (A-1)	8 A1		Cultural tourism in Andhra Pradesh	A.P.S.C.H.E
	VIII (A-2)	8 A2		Popular movements in Andhra Desa	A.P.S.C.H.E
	VIII (A-3)	8 A1		Contemporary History of Andhra Pradesh	A.P.S.C.H.E

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ANDHRA LOYOLA COLLEGE (AUTONOMOUS): VIJAYAWADA-8							
B.Sc/BA. - MATHEMATICS : COURSE STRUCTURE							
SEM	Course	Title of the Course	Hrs/W	No. of	Hrs/W	No. of	
	Course Code		Theory	Credits	Lab	Credits	
I	MAT111DC	DIFFERENTIAL CALCULUS-I	6	5			
II	MAT122DC	DIFFERENTIAL CALCULUS-II	6	5			
III	MAT233	ABSTRACT ALGEBRA	6	5			
IV	MAT244RA	REAL ANALYSIS	6	5			
V	MAT355MT	MATRIX THEORY	5	5			
	MAT356LA	LINEAR ALGEBRA	5	5			
VI	MAT367NT	NUMBER THEORY	5	5			
	MAT368C1VC	VECTOR CALCULUS	5	5			
	MAT368C2GT	GRAPH THEORY	5	5			
	MAT368C3NA	NUMERICAL ANALYSIS	5	5			

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DEPARTMENT OF COMPUTER SCIENCE

B.Sc.- Computer Science Course structure -2018-19

Year	Semester	Course	Title of the Course	No. of Hrs/W	No. of Credits
1	I	1	Problem Solving using Computers & Python Programming	4	3
			Python Programming Lab	2	2
		LSC	Computer Applications	2	2
	II	2	DBMS	4	3
			DBMS Lab	2	2
		LSC	Computer Applications	2	2
2	III	3	• Principles of Operating System	4	3
			Linux Lab	2	2
	IV	4	• Digital Computer Organisation & introduction to Computer System Architecture	4	3
			PHP Lab	2	2
				2	2
				4	3
3	V	5	OOPS using Java	4	3
			Java Lab	3	2
		6	Software Engineering	4	3
			Software Design Tools Lab	3	2
	VI	7	Data Structures	4	3
			Data Structures Lab	3	2
		8C1	Big Data Technology	4	3
			Hadoop Lab	3	2
		8C2	Cloud Computing	4	3
			Cloud Computing Lab	3	2
		8C3	Foundation of Data Science	4	3
			R Programming Lab	3	2

Signature
CS. AB. NEHRU

DEPARTMENT OF ELECTRONICS – COURSE STRUCTURE (2018 – 2019)					
B.Sc. (Maths, Computer Science, Electronics)					
Year	Semester	Course Code	Title of the Course	No. of Hrs/W	No. of Credits
I	I	ELE 111	NETWORK ANALYSIS AND ANALOG ELECTRONICS	4	3
		ELE 111 P	Practical - NETWORK ANALYSIS AND ANALOG ELECTRONICS	2	2
		ET ELE 111	ELECTRICITY AND ELECTRONIC COMPONENTS	4	3
		ET ELE 111 P	Practical - ELECTRICITY AND ELECTRONIC COMPONENTS	2	2
	II	ELE 122	LINEAR AND DIGITAL INTEGRATED CIRCUITS	4	3
		ELE 122 P	Practical - LINEAR AND DIGITAL INTEGRATED CIRCUITS	2	2
		ET ELE 122	PCB AND ELECTRONIC PRODUCT DESIGN	4	3
		ET ELE 122 P	Practical - PCB DESIGN	2	2
II	III	ELE 233	ELECTRONIC INSTRUMENTATION	4	3
		ELE 233 P	Practical - ELECTRONIC INSTRUMENTATION	2	2
		ET ELE 233	LED LIGHTING DESIGN FUNDAMENTALS AND TESTING	4	3
		ET ELE 233 P	Practical - LUMINAIRES LAB	2	2
	IV	ELE 244	MICROPROCESSORS	4	3
		ELE 244 P	Practical - MICROPROCESSORS	2	2
		ET ELE 244	SOLID STATE LIGHTING APPLICATION	4	3
		ET ELE 244 P	Practical - SSL TESTING	2	2
III	V	ELE 355	MICROCONTROLLER AND INTERFACING	3	3
		ELE 354 P	Practical - MICROCONTROLLER & INTERFACING	3	2
		ET ELE 356	BASICS OF ILLUMINATION AND ELECTRONIC PRODUCT DESIGN & TESTING	3	3
		ET ELE 356 P	Practical - LUMINAIRES LAB	3	2
	VI	ELE 367	ADVANCED MICROCONTROLLERS	3	3
		ELE 367 P	Practical - INTERNET OF THINGS(IoT)	3	2
		ELE 368A1	COMMUNICATION SYSTEMS	3	3
		ELE 368A1 P	Practical - COMMUNICATION	3	2
		ET ELE 368A2	TESTING OF SOLID-STATE LUMINARIES	3	3
		ET ELE 368A2 P	Practical - LUMINARIES TESTING LAB	3	2
		ET ELE 368A3	SOLID STATE LIGHTING APPLICATIONS	3	3
		ET ELE 368A3 P	Practical - SSL APPLICATION DESIGN	3	2

A. Salim Khan
Head, Dept. of Electronics

DEPARTMENT OF ELECTRONICS – COURSE STRUCTURE (2018 – 2019)					
B.Sc. Electronics Technology					
Year	Semester	Course Code	Title of the Course	No. of Hrs/W	No. of Credits
I	I	ELE 111	NETWORK ANALYSIS AND ANALOG ELECTRONICS	4	3
		ELE 111 P	Practical - NETWORK ANALYSIS AND ANALOG ELECTRONICS	2	2
		ET ELE 111	ELECTRICITY AND ELECTRONIC COMPONENTS	4	3
		ET ELE 111 P	Practical - ELECTRICITY AND ELECTRONIC COMPONENTS	2	2
			ENGINEERING DRAWING		
	II	ELE 122	LINEAR AND DIGITAL INTEGRATED CIRCUITS	4	3
		ELE 122 P	Practical - LINEAR AND DIGITAL INTEGRATED CIRCUITS	2	2
		ET ELE 122	PCB AND ELECTRONIC PRODUCT DESIGN	4	3
		ET ELE 122 P	Practical - PCB DESIGN	2	2
			WORKSHOP		
II	III	ELE 233	ELECTRONIC INSTRUMENTATION	4	3
		ELE 233 P	Practical - ELECTRONIC INSTRUMENTATION	2	2
		ET ELE 233	LED LIGHTING DESIGN FUNDAMENTALS AND TESTING	4	3
		ET ELE 233 P	Practical - LUMINAIRES LAB	2	2
	IV	ELE 244	MICROPROCESSORS	4	3
		ELE 244 P	Practical - MICROPROCESSORS	2	2
		ET ELE 244	SOLID STATE LIGHTING APPLICATION	4	3
		ET ELE 244 P	Practical - SSL TESTING	2	2
		ET ELE 245	SOLAR PHOTO VOLTAIC TECHNOLOGY	4	3
III	V	ET ELE 35XI	COMMUNICATION SYSTEMS	3	3
		ET ELE 35XI P	COMMUNICATION SYSTEMS	3	3
		ET ELE 35XII	TESTING OF SOLID-STATE LUMINARIES	3	3
		ET ELE 35XII P	Practical - LUMINARIES TESTING LAB	3	2
		ET ELE 35XIII	SOLID STATE LIGHTING APPLICATIONS	3	3
		ET ELE 35XIII P	Practical - SSL APPLICATION DESIGN	3	2
		ET ELE 35XIV	RENEWABLE ENERGY SOURCES	3	3
		ET ELE 35XIV P	RENEWABLE ENERGY SOURCES LAB	3	2
	VI	INTERNSHIP			

N. Salini Nenu
Head, Dept. of Electronics

APSCHE/ REVISION OF C.B.C.S - BOTANY COURSE STRUCTURE - W.E.F.2018 -19

S. No.	Semester	Title of the Course (Paper)	COURSE CODES	Hours /week	Credits
1.	SEM.-1/ paper-I	Microbial diversity- algae and fungi	BOT-111- FMN	04	03
	Course-I Practical	Microbial diversity- algae and fungi	BOT-111- FMN	03	02
2.	SEM.-11/ Paper-2	Diversity of Archegoniates and anatomy	BOT-122- BVP	04	03
	paper-2 Practical	Diversity of Archegoniates and anatomy	BOT-122- BVP	03	02
3.	SeEM-III / paper-3	Plant taxonomy and embryology	BOT-233- AEA	04	03
	Paper -3 Practical	Plant taxonomy and embryology	BOT-233- AEA	03	02
4.	SEM.-IV Paper -4	Plant Physiology and Metabolism	BOT-244- PPM	03	03
	Paper-4 Practical	Plant Physiology and Metabolism	BOT-244- PPM	03	02
5.	SEM.- paper-- 5	Cell Biology, Genetics and Plant Breeding	BOT-245- CGP	04	03
	Paper - 5- Practical	Cell Biology, Genetics and Plant Breeding	BOT-245- CGP	03	02
6.	SEM -V Paper - 6-C	Plant ecology and phytogeography	BOT-356- PEP	03	03
	Course- 6-C- Practical	Plant ecology and phytogeography	BOT-356- PEP	03	02
	SEM -VI PAPER- 7-	Nursery gardening and floriculture	BOT-367- NGF	03	03
	SEM -VI PAPER- 7-	Nursery gardening and floriculture	BOT-367- NGF	03	02
	SEM -VI CLUSTERS A-1	Plant diversity and human welfare	BOT-368- C-1 PDH	03	02

SEM -VI CLUSTERS A-1	Plant diversity and human welfare	BOT-368- C-1 PDH	03	02
SEM -VI CLUSTERS A-2	Ethnobotany and medicinal plants	BOT-368- C-2 EMB	03	02
SEM -VI CLUSTERS A-2	Ethnobotany and medicinal plants	BOT-368- C-2 EMB	03	02
SEM -VI CLUSTERS A-3	Pharmacognosy and Phytochemistry	BOT-368- C-3 PPC	03	02
SEM -VI CLUSTERS A-3	Pharmacognosy and Phytochemistry	BOT-368- C-3 PPC	03	02

ANDHRA LOYOLA COLLEGE (AUTONOMOUS), VIJAYAWADA
ZOOLOGY Syllabus COURSE STRUCTURE
For the Academic Year 2018-2019

YEAR	SEM	COURSE	COURSE CODE	TITLE	Hrs/wk	CREDITS
I	I	I	ZOO111 ADI	ANIMAL DIVERSITY- I:NON CHORDATA (T)	4	3
				ANIMAL DIVERSITY- I: NON CHORDATA (P)	3	2
	II	II	ZOO122 ADC	ANIMAL DIVERSITY-I I: CHORDATA(T)	4	3
				ANIMAL DIVERSITY-I I: CHORDATA(P)	3	2
II	III	III	ZOO233 CGE	CYTOLOGY, GENETICS AND EVOLUTION(T)	4	3
				CYTOLOGY, GENETICS AND EVOLUTION(P)	3	2
	IV	IV	ZOO244 EPE	EMBRYOLOGY, PHYSIOLOGY AND ECOLOGY(T)	4	3
				EMBRYOLOGY, PHYSIOLOGY AND ECOLOGY(P)	3	2
III	V	V	ZOO355 ABT	ANIMAL BIOTECHNOLOGY(T)	3	3
				ANIMAL BIOTECHNOLOGY(P)	3	2
		VI	ZOO356 ANH	ANIMAL HUSBANDRY(T)	3	3
				ANIMAL HUSBANDRY(P)	3	2
	VI	VII	ZOO367 IM	Elective: IMMUNOLOGY(T)	3	3
				Elective: IMMUNOLOGY(P)	3	2
		VIII C1	ZOO368C1CB	Cluster Elective: MEDICAL DIAGNOSTICS CLINICAL BIOCHEMISTRY(T)	3	3
			ZOO368C1CB(P)	Cluster Elective: MEDICAL DIAGNOSTICS CLINICAL BIOCHEMISTRY(P)	3	2
		VIII C2	ZOO368C2HT	Cluster Elective: MEDICAL DIAGNOSTICS HAEMATOLOGY(T)	3	3
			ZOO368C2HT(P)	Cluster Elective: MEDICAL DIAGNOSTICS HAEMATOLOGY(P)	3	2
		VIII C3	ZOO368C3CM	Cluster Elective: MEDICAL DIAGNOSTICS CLINICAL MICROBIOLOGY(T)	3	3
			ZOO368C3CM(P)	Cluster Elective: MEDICAL DIAGNOSTICS CLINICAL MICROBIOLOGY(P)	3	2



Head of the Department of Zoology
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VIJAYAWADA - 520 006

	VIII C3	ZOO368C3 CM	Cluster Elective: MEDICAL DIAGNOSTICS CLINICAL MICROBIOLOGY(T)	3	3
		ZOO368C3 C M(P)	Cluster Elective: MEDICAL DIAGNOSTICS CLINICAL MICROBIOLOGY(P)	3	2
		PRJ360ZO O	PROHECT WORK-(ZOOLOGY PROJECT)		3



Head of the Department of Zoology
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VIJAYAWADA - 520 005

ANDHRA LOYOLA COLLEGE (Autonomous), VIJAYAWADA
DEPARTMENT OF MICROBIOLOGY
COURSE STRUCTURE FOR A.Y: 2018-19
DEPARTMENT OF MICROBIOLOGY

Structure of B.Sc. Microbiology

2018-19					
DEPARTMENT		Microbiology			
SEM	CORE/ Foundation Course (FC)/ Certificate Course	COURSE CODE	COURSE TITLE	No. of Hrs/W	No. of Credits
I	Core 1 - Theory	MIB111MT	Introductory Microbiology & microbial diversity	4	3
	Core 1 - Lab	MIB111MT(P)	Introductory Microbiology & microbial diversity	3	3
	FC, If any				
	GE If any				
	CC, If any				
II	Core 2 - Theory	MIB112MPB	Microbial Biochemistry & physiology	4	3
	Core 2 - Lab	MIB112MPB(p)	Microbial Biochemistry & physiology	4	3
	FC, If any				
	GE If any				
	CC, If any				
III	Core 3 - Theory	MIB113MMG	Microbial genetics & Molecular biology	4	3
	Core 3 - Lab	MIB113MMG(P)	Microbial genetics & Molecular biology	4	3
	FC, If any				
	GE If any				
	CC, If any				
IV	Core 4 - Theory				
	Core 4 - Lab				
	FC, If any	MIB244MB	Immunology & Medical Microbiology	4	3
	GE If any	MIB244(MB(P)	Immunology & Medical Microbiology		
	CC, If any				
V	Core 5 - Theory	MIB155EAM	Environmental & Agricultural Microbiology	4	4

	Core 5 - Lab	MIB355EAM(P)	Environmental & Agricultural Microbiology	4	4
	Core 6 - Theory	MIB356FIM	Food and industrial Microbiology	4	4
	Core 6 - Lab	MIB356FIM(P)	Food and industrial Microbiology	4	4
VI	Core - Theory				
	Core 7 - Theory	MIB367MBT	Microbial biotechnology	4	4
	Core 7 - Lab	MIB367MBT(P)	Microbial biotechnology	4	4
	Cluster A - Theory				
	Cluster A - Lab				
	Cluster B - Theory				
	Cluster B - Lab				
	Cluster C - Theory				
	Cluster C - Lab				

Dr. kBalachandra

ANDHRA LOYOLA COLLEGE (AUTONOMOUS): VIJAYAWADA

DEPARTMENT: BIOTECHNOLOGY

ACADEMIC YEAR - 2018-19

Year	Sem	Course	Title of the Course	COURSE CODE	Hrs/W	No. of Credits
1	I	1	Microbiology	BIO111MB	4	3
		LAB	Microbiology(P)	BIO111MB(P)	3	2
	II	2	Macromolecules, Enzymology and Bioenergetics(P)	BIO122MEB	4	3
		LAB	Macromolecules, Enzymology and Bioenergetics	BIO122MEB(P)	3	2
		3	Bioanalytical Tools	BTY233BAT	4	3
2	III	LAB	Bioanalytical Tools(P)	BTY233BAT(P)	3	2
		4	Immunotechnology	BTY244IMU	4	3
	IV	LAB	Immunotechnology(P)	BTY244IMU(P)	3	2
		3	V	5	Microbiology	BTY355MIB
LAB	Microbiology(P)			BTY355MIB(P)	3	2
6	Molecular Biology			BTY356MOB	3	3
LAB	Molecular Biology(P)			BTY356MOB(P)	3	2
7	Computer applications, biostatistics and bioinformatics			BTY367CABB	3	3
VI	LAB		Computer applications, biostatistics and bioinformatics(P)	BTY367CABB(P)	3	2
	8a		Plant and Animal Biotechnology	BTY368C1PAB	3	3
	LAB		Plant and Animal Biotechnology(P)	BTY368C1PAB(P)	3	2
	8b		rDNA technology	BTY368C2RDNA	3	3
	LAB		rDNA technology(P)	BTY368C2RDNA(P)	3	2
	8c		Microbial Biotechnology	BTY368C3MB	3	3
	LAB		Microbial Biotechnology(P)	BTY368C3MB(P)	3	2
	VALUE ADDED COURSES					
	SEM	TYPE	Title of the Course	COURSE CODE	Hrs/W	No. of Credits
CC	I	Certificate	Technology in Biology	CC111TB	2	1

S. Sri Lakshmi

**Head of the Department of Biotechnology
Andhra Loyola College (Autonomous)
VIJAYAWADA - 520 008**

ANDHRA LOYOLA COLLEGE (AUTONOMOUS): 520008
DEPARTMENT OF FOOD TECHNOLOGY
COURSE STRUCTURE AY – 2018-19

Year	Sem	Course	Title of the Course	Course Code	Hrs/W	No. of Credits
1	I	Paper 1	Food Chemistry	FTE111FC	4	3
		Lab	Food Chemistry and Food Nutrition	FTE111FCN (P)	2	2
		Paper 2	Food Nutrition and Biochemistry	FTE112FNB	4	3
	II	Paper 3	Food Processing and Engineering Technology	FTE123FPT	4	3
		Lab	Principles of Food Chemistry	FTE122PFC (P)	2	2
		Paper 4	Food Additives and Toxicology	FTE124FAT	4	3
2	III	Paper 5	Post Harvest Technology of Field Crops	FTE235PHT	4	5
		Paper 6	Dairy Technology	FTE236DT	4	3
		Lab	Dairy Technology	FTE234DT(P)	2	2
	IV	Paper 7	Chemistry and Technology of Oils and Fats	FTE247CTF	4	3
		Lab	Chemistry and Technology of Oils and Fats	FTE247CTF (P)	2	2
		Paper 8	Sugar confectionery and Chocolate manufacturing	FTE248SCM	4	3
		Lab	Sugar confectionery and Chocolate manufacturing	FTE248SCM (P)	2	2
3	V	Paper 9	Technology of Meat, Fish, Poultry and their Products	FTE357TMFP	4	3
		Lab	Technology of Meat, Fish, Poultry and their Products	FTE355TMFP (P)	2	2
		Paper 10	Baking Science and Technology	FTE358BST	4	3
		Lab	Baking Science and Technology	FTE356BST(P)	2	2
	VI	Paper 11	Food Safety and Quality Control	FTE369SCQ	4	3
		Lab	Food Safety and Quality Control	FTE367SCQ (P)	2	2
		Paper 12	Packaging Technology	FTE3610PT	4	3
		Lab	Packaging Technology	FTE368PT (P)	2	2

Dr. K. Balachandra

ANDHRA LOYOLA COLLEGE (AUTONOMOUS)
DEPARTMENT OF COMMERCE
B.COM PROGRAMME STRUCTURE

2018-19					
DEPARTMENT		Commerce-GENERAL			
SEM	CORE/ Foundation Course (FC) / Certificate Course	COURSE CODE	COURSE TITLE	No.of Hrs/W	No. of Credi ts
1	Core 1 - Theory	COM111FA	Financial Accounting	6	4
	Core 2-	COM111BO	Business Organization	6	4
	core 3	COM111FIT	Computer Fundamentals	6	4
	core 4				
	FC If any				
	FC 2 If any				
II	Core 2 - Theory	COM122FA	Financial Accounting -II	6	4
	Core 2 - Lab	COM121BEN	Business Environment	6	4
	core 2	COM121AIS	Accounting Information system	6	4
	GE If any				
	CC, If any				
III	Core 3 - Theory	COM231BST	Business Statistics	6	4
	Core 3 - Lab	COM231BM	Business management	6	4
	core	COM231CA	Corporate Accounting	6	4
	core	COM231BTP	Banking Theory & Practice		
	CC, If any				
IV	Core 4 - Theory	COM241ITP	Incometax	6	4
	Core 4 - Lab	COM241ASO	Accounting for service organizations	6	4

	core	COM241BL	Business law	6	4
	core	COM241EWD	E Commerce&Web designing	6	4
	CC, If any				
V	Core 5 - Theory	COM354GST	Goods&Service Tax	6	4
	Core 5 - Lab	COM351CMA	cost Accounting	6	4
	Core 6 - Theory	COM353MS	Marketing	6	4
	Core 6 - Lab	COM352HRM	Human Resource Management	6	4
	cluster	COM355ACA	Advanced Corporate Accounting	6	4
	cluster	COM356FM	financial markets	6	4
	cluster	COM355MS	Marketing of Services	6	4
	cluster	COM356RM	Retail management	6	4
VI	core	COM361MA	Management Accounting	6	4
	core	COM364AUD	Auditing	6	4
	Core 7 - Theory	COM362FM	Financial Management	6	4
	core	COM363CG	Commercial Geography	6	4
	Cluster A - Lab	COM356FS	Financial services	6	4
	Cluster B - Theory	COM366FN	Emerging Areas in Accounting	6	4
	Cluster B - Lab	COM366AM	Advertising Media & Management	6	4
	Cluster C - Theory	COM365MKT	Global Marketing	6	4
	Cluster C - Lab				

2018-19

DEPARTMENT		Commerce-COMPUTERS			
SEM	CORE/ Foundation Course (FC) / Certificate Course	COURSE CODE	COURSE TITLE	No.of Hrs/W	No. of Credi ts

1	Core 1 - Theory	COM111FA	Financial Accounting	6	4
	Core 2-	COM111BO	Business Organization	6	4
	core 3	COM111FIT	Computer Fundamentals	6	4
	core 4				
	FC If any				
	FC 2 If any				
II	Core 2 - Theory	COM122FA	Financial Accounting -II	6	4
	Core 2 - Lab	COM121BEN	Business Environment	6	4
	core 2	COM121AIS	Accounting Information system	6	4
	GE If any				
	CC, If any				
III	Core 3 - Theory	COM231BST	Business Statistics	6	4
	Core 3 - Lab	COM231PIC	C Language	6	4
	core	COM231CA	Corporate Accounting	6	4
	core	COM231BTP	Banking Theory & Practice	6	4
	CC, If any				
IV	Core 4 - Theory	COM241ITP	Incometax	6	4
			Accounting for service organizations	6	4
	Core 4 - Lab	COM241ASO	Business law	6	4
	core	COM241BL	Programming with C++		
	core	COM241PC			
	CC, If any				
V	Core 5 - Theory	COM354GST	Goods&Service Tax	6	4
	Core 5 - Lab	COM351CMA	cost Accounting	6	4
	Core 6 - Theory	COM353MS	Marketing	6	4
	Core 6 - Lab	COM352HRM	Human Resource Management	6	4
	core	COM356EW	E commerce& Web designing	6	4
			Data Base Management System	6	4
	core	COM355DBM			
	cluster				

	cluster				
VI	core	COM361MA	Management Accounting	6	4
	core	COM364AUD	Auditing	6	4
	Core 7 - Theory	COM362FM	Financial Management	6	4
	core	COM363CG	Commercial Geography	6	4
	core	COM365VB	Visual Basics	6	4
	core	COM366JA	Java	6	4
	Cluster B - Lab				
	Cluster C - Theory				
	Cluster C - Lab				

2018-19

DEPARTMENT		Commerce-PROFESSIONAL			
SEM	CORE/ Foundation Course (FC) / Certificate Course	COURSE CODE	COURSE TITLE	No.of Hrs/W	No. of Credi ts
I	Core 1 - Theory	COM111FA	Financial Accounting	6	4
	Core 2-	COM111BO	Business Organization & Management	6	4
	core 3	COM111FIT	Computer Fundamentals	6	4
	core 4	COM111INM	Insurance Management	6	4
	FC If any				
	FC 2 If any				
II	Core 2 - Theory	COM122FA	Financial Accounting -II	6	4
	Core 2 - Lab	COM121BEN	Business Environment	6	4
	core 2	COM121AIS	Accounting Information system	6	4
	core	COM122INM	Insurance Management		
	CC, If any				

III	Core 3 - Theory	COM231BST	Business Statistics	6	4
	Core 3 - Lab	COM231BCR	Business Correspondence & Report Writing	6	4
	core	COM231CA	Corporate Accounting	6	4
	core	COM231BTP	Banking Theory & Practice	6	4
	core	COM231BM	Business management	6	4
IV	Core 4 - Theory	COM241ITP	Incometax	6	4
	Core 4 - Lab	COM241ASO	Accounting for service organizations	6	4
	core	COM241BL	Business law	6	4
	core	COM241EWD	E Commerce&Web designing	6	4
	CC, If any				
V	Core 5 - Theory	COM354GST	Goods&Service Tax	6	4
	Core 5 - Lab	COM351CMA	cost Accounting	6	4
	Core 6 - Theory	COM353MS	Marketing	6	4
	Core 6 - Lab	COM352HRM	Human Resource Management	6	4
	cluster	COM355ACA	Advanced Corporate Accounting	6	4
	cluster	COM356FM	financial markets	6	4
	cluster	COM355MS	Marketing of Services	6	4
	cluster	COM356RM	Retail management	6	4
VI	core	COM361MA	Management Accounting	6	4
	core	COM364AUD	Auditing	6	4
	Core 7 - Theory	COM362FM	Financial Management	6	4
	core	COM363CG	Commercial Geography	6	4
	Cluster A - Lab	COM356FS	Financial services	6	4
	Cluster B - Theory	COM366FN	Emerging Areas in Accounting	6	4
	Cluster B - Lab	COM366AM	Advertising Media & Management	6	4

	Cluster C - Theory	COM365MKT	Global Marketing	6	4
	Cluster C - Lab				

CORE COURSES

SEM	Course No.	COURSE CODE	COURSE TITLE	Date of Revision (Academic Year Starting Date)	Syllabus Link Syllabus Copy is to be kept in the Dept (Separate Link for Each Sem)	% of Change Compared to Previous Year (Resou;ution to be in BoS)	Employability / Skill Development Entrepreneurship	Updated BoS Resolutions Soft Copy - to be kept in the Dept	Any topic related to IPR / Gender Studies Ethics & Values
								BoS Link	
1	1	COM111 FA	Financial Accounting				Employability	BOS RESOLUTIONS	
1	2	COM111 BO	Business Organization				Entrepreneurship		
1	3	COM111 FIT	Computer Fundamentals		I SEM GEN, COM, PRO SYLLABUS		skill development		
2	4	COM122 FA	Financial Accounting -II				Employability		
2	5	COM121 BEN	Business Environment				Entrepreneurship		
2	6	COM121 AIS	Accounting Information system		II SEM GEN, COM, PRO SYLLABUS		Employability		
3	7	COM231 BST	Business Statistics				Employability		
3	8 - A	COM231 BM	Business management				Entrepreneurship		
3	8 - B	COM231 CA	Corporate Accounting				Employability		

3	8 - C	COM231 BTP	Banking Theory & Practice		III SEM GEN, PRO SYLLAB US		Enterpreneu rship			
3		COM231 BST	Business Statistics				Employabili ty			
3		COM231 PIC	C Language				skill developmen t			
3		COM231 CA	Corporate Accounting				Employabili ty			
3		COM231 BTP	Banking Theory & Practice		III SEM COMPU TERS SYLLAB US		Enterpreneu rship			
4		COM241I TP	Incometax				skill developmen t			
4		COM241 ASO	Accounting for service organization s				Employabili ty			
4		COM241 BL	Business law				Enterpreneu rship			
4		COM241 EWD	E Commerce &Web designing		IV SEM GEN, PRO SYLLAB US		skill developmen t			
4		COM241I TP	Incometax				skill developmen t			
4		COM241 ASO	Accounting for service organization s				Employabili ty			
4		COM241 BL	Business law				Enterpreneu rship			
4		COM241 PC	Programmin g with C++		IV SEM COM SYLLAB US		skill developmen t			
5		COM354 GST	Goods&Servi ce Tax				skill developmen t			
5		COM351 CMA	cost Accounting				Employabili ty			
5		COM353 MS	Marketing				Enterpreneu rship			
5		COM352 HRM	Human Resource Managemen t				Enterpreneu rship			

5		COM355 ACA	Advanced Corporate Accounting				Employabili ty			
5		COM356 FM	financial markets				Enterpreneu rship			
5		COM355 MS	Marketing of Services				Enterpreneu rship			
5		COM356R M	Retail management		V SEM GEN, PRO SYLLAB US		Enterpreneu rship			
5		COM354 GST	Goods&Servi ce Tax				skill developmen t			
5		COM351 CMA	cost Accounting				Employabili ty			
5		COM353 MS	Marketing				Enterpreneu rship			
5		COM352 HRM	Human Resource Managemen t				Enterpreneu rship			
5		COM356 EW	E commerce& Web designing				skill developmen t			
5		COM355 DBM	Data Base Managemen t System		V SEM COM SYLLAB US		skill developmen t			
6		COM361 MA	Management Accounting				Employabili ty			
6		COM364 AUD	Auditing				skill developmen t			
6		COM362 FM	Financial Managemen t				Employabili ty			
6		COM363 CG	Commercial Geography				skill developmen t			
6		COM356 FS	Financial services				skill developmen t			
6		COM366 FN	Emerging Areas in Accounting				skill developmen t			
6		COM366 AM	Advertising Media & Managemen t				skill developmen t			
6		COM365 MKT	Global Marketing		VI SEM GEN, PRO		skill developmen t			

					SYLLABUS					
6		COM361 MA	Management Accounting				Employability skill development			
6		COM364 AUD	Auditing							
6		COM362 FM	Financial Management				Employability skill development			
6		COM363 CG	Commercial Geography							
6		COM365 VB	Visual Basics							
6		COM366J A	Java		VI SEM COM SYLLABUS		skill development			

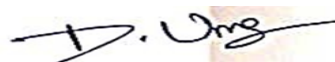
Ch. V. Choudary.

C Veeriah Choudary
HOD-Commerce
Andhra Loyola College
Vijayawada

COURSE STRUCTURE

2018-19					
DEPARTMENT		BBA(GEN)			
SE M	CORE/ Foundation Course (FC) / Certificate Course	COURSE CODE	COURSE TITLE	No. of Hrs/ W	No. of Credit s
I	Core - Theory	BBA-111POM	Principles of Management	5	4
	Core - Theory	BBA-112ECNR	Ethics and Corporate Social Responsibility	5	4
	Core - Theory	BBA-113BS	Business Statistics	5	4
	Core - Theory	BBA-114HM	Hotel Management	5	2
	Core - Theory	BBA-115BO	Business Organization	5	4
	Core - Theory	BBA-116FIT	Fundamentals of Information Technology	5	3
II	Core - Theory	BBA-121ME	Managerial Economics	5	4
	Core - Theory	BBA-122AFM	Accounting for Managers	5	4
	Core - Theory	BBA-123BE	Business Environment	5	4
	Core - Theory	BBA-124TM	Tourism Management	5	4
	Core - Theory	BBA125 ECHTML	E-Commerce	2	2
	Core - Lab		HTML	3	2
III	Core 3 - Theory	BBA 231 BCRW	Business Correspondence and Report Writing	5	4
	Core 3 - Theory	BBA 232 BM	Bank Management	5	4
	Core 3 - Theory	BBA 233 BR	Business Research	5	4
	Core 3 - Theory	BBA 234 MA	Management Accounting	5	4
	Core 3 - Theory	BBA 235 OB	Organizational Behaviour	5	4
IV	Core 4 - Theory	BBA 241 EM	Event Management	5	4
	Core 4 - Theory	BBA 242 HRM	Human Resource Management	5	4
	Core 4 - Theory	BBA 243 MM	Marketing Management	5	4
	Core 4 - Theory	BBA 244 FM	Financial Management	5	4
	Core 4 - Theory	BBA 245 PM	Production Management	5	4
	GE If any		Analytical Skills		
V	Core 5 - Theory	BBA351IB	International Business	5	4
	Core 5 - Theory	BBA352BL	Business Laws	5	4
	Core 5 - Theory	BBA353TX	Taxation	5	4
	Core 5 - Theory	BBA354LSCM	Logistics and Supply Chain Management	5	4
	Core 5 - Theory	BBA355BM	Brand Management	5	4
	Core 5 - Theory	BBA356GHRM	Elective-HR (Global Human Resource Management)	5	4

	Core 5 - Theory	BBA356TD	Elective-HR (Training and Development)	5	4
	Core 5 - Theory	BBA357SM	Elective-MARKETING (Marketing of Services)	5	4
	Core 5 - Theory	BBA357RM	Elective-MARKETING (Retail Marketing)	5	4
VI	Core 6 - Theory	BBA361BS	Business Strategy	5	4
	Core 6 - Theory	BBA362MSE	Medium and Small Scale Enterprise Management	5	4
	Core 6 - Theory	BBA363PEM	Project Evaluation and Management	5	4
	Core 6 - Theory	BBA364WM	Warehouse Management	5	4
	Core 6 - Theory	BBA365SDM	Sales and Distribution Management	5	4
	Core 6 - Theory	BBA366TM	Elective-HR (Talent Management)	5	4
	Core 6 - Theory	BBA366IR	Elective-HR (Industrial Relations)	5	4
	Core 6 - Theory	BBA367AMM	Elective-MARKETING (Advertising and Media Management)	5	4
	Core 6 - Theory	BBA367GM	Elective-MARKETING (Global Marketing)	5	4



D UMA KUMARI
Head, Department of Business Administration
Chairman, Board of Studies

Department	AVIATION MANAGEMENT		I, III & V SEMESTERS : 2018-2019			
Course Structure						
Year	Semester	Category	Course Code	Course Title	Hrs/W	Credits
1	I	COURSE 1	BBA111ACS	Airline Customer Service	5	4
		COURSE 2	BBA111IAC	Introduction to Air Cargo	5	4
		COURSE 3	BBA111FAM	Fundamentals Of Aviation Management	5	4
		COURSE 4	BBA111ATI	Airlines Travel & Tourism Industry	5	4
2	III	COURSE 5	BBA231BS	Business Statistics	4	4
		Course 6 -	BBA231IOB	Organisational Behaviour	4	4
		Course 7	BBA231IARO	Airports & Ramp Operations	4	4
		COURSE 8	BBA231ATC	Air Traffic Controls	4	4
		COURSE 9	BBA231AMM	Aircraft Maintenance Management	4	4
		COURSE 10	BBA231ATS	Air Transportation Safety & Security	4	4
		SDC	BBA231ICT	Culnary Tourism (CC)	2	2
		LSC	BBA231MT	MICE Tourism (SDC)	2	2
3	V	Course 11 - Theory	BBA351IBL	Business Laws	5	4
		Course 12 - Theory	BBA351IIR	Industrial Relations	5	4
		Course 13 - Theory	BBA351TFAE	Travel Formalities & Airport Essentials	5	4
		Course 14 - Theory	BBA351ATFO	Air Transport & Flight Operations	5	4
			Course 14- Theory	BBA351IMAP	Managing Airports- An International Perspective	5
		Course 16 - Theory	BBA351ASO	Awareness of Aviation Security & On board Emergencies	5	4

Department	AVIATION MANAGEMENT		II/IV/VI SEMESTERS : 2018-2019			
Course Structure						
Year	Semester	Category	Course Code	Course Title	Hrs/W	Credits
1	II	COURSE 1	BBA121AOS	Airport Operations	5	4
		COURSE 2	BBA121ACM	Aircargo Management	5	4
		COURSE 3	BBA121AMM	Airlines & Airport Marketing Management	5	4
		COURSE 4	BBA121TAO	Travel Agency Operations	5	4
2	IV	COURSE 5	BBA241APH	Aviation Psychology & Human Factor	4	4
		Course 6 -	BBA241STC	Serving the Travel Customers	4	4
		Course 7	BBA241ANP	Airline Networking & Planning & Scheduling	4	4
		COURSE 8	BBA241ASM	Aviation Security Management	4	4
3	VI	INTERNSHIP		FOUR MONTH INTERNSHIP		12

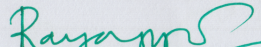
Signature



DEPARTMENT OF VISUAL COMMUNICATION & ELECTRONIC MEDIA
ANDHRA LOYOLA COLLEGE (AUTONOMOUS), VIJAYAWADA- 520 008
B.Sc. VISUAL COMMUNICATION AND ELECTRONIC MEDIA
Course Structure 2018-2019



FIRST YEAR: I SEMESTER

SEM		PAPERCODE	THEORY	HRS /WK	CR	PAPERCODE	PRACTICALS	HRS /WK	CR	
I		VC 1.1	Human Communication	4	3	VC 1.2	Visual Literacy	3	2	
		EM 1.1	Basic Photography	4	3	EM 1.2	Practice Photography	3	2	
		ANI 1.1	Graphic Designing	4	3	ANI 1.3	Graphic Designing	3	2	
		ANI 1.2	Introduction to Animated Pictures &Thoughts	4	3					
		VGE 1	Contemporary Media	2	2					
		Total			18	14	Total			9
TOTALHOURS =27						TOTALCREDITS=20				

Rajam
 Head of the Department
 Department of Visual Communication
 ANDHRA LOYOLA COLLEGE
 VIJAYAWADA-520 008, Andhra Pradesh.



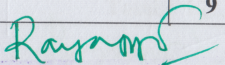
DEPARTMENT OF VISUAL COMMUNICATION & ELECTRONIC MEDIA
ANDHRA LOYOLA COLLEGE (AUTONOMOUS), VIJAYAWADA- 520 008
B.Sc. VISUAL COMMUNICATION AND ELECTRONIC MEDIA

Course Structure 2018-2019



FIRST YEAR: II SEMESTER

SEM		PAPER CODE	THEORY	HRS /WK	CR	PAPER CODE	PRACTICALS	HRS /WK	CR
II		VC2.1	Communication Models and Theories	4	3	VC 2.2	Visual Drawing	3	2
		EM 2.1	Script Writing	4	3	EM 2.2	Story Board	3	2
		ANI 2.1	Introduction to Animation	4	3	ANI 2.3	2 D Animation & Compositing	3	2
		ANI 2.1	The Art of Cartooning & Caricature	4	3				
		VGE 2	Drawing for Animation	2	2				
		Total			18	14	Total		
		TOTAL HOURS =27				TOTAL CREDITS=20			


 Head of the Department
 Department of Visual Communication
 ANDHRA LOYOLA COLLEGE



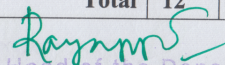
DEPARTMENT OF VISUAL COMMUNICATION & ELECTRONIC MEDIA
ANDHRA LOYOLA COLLEGE (AUTONOMOUS), VIJAYAWADA - 520 008
B.Sc. VISUAL COMMUNICATION AND ELECTRONIC MEDIA

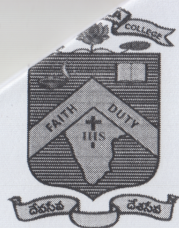
Course Structure 2018-2019



SECOND YEAR: III SEMESTER

SEM		PAPER CODE	THEORY	HRS /WK	CR	PAPER CODE	PRACTICALS	HRS /WK	CR
III		VC 3.1	Advertising Basics	4	3	VC 3.2	Script Writing	3	2
		EM 3.1	Radio Broadcasting	4	3	EM 3.2	Audiography	3	2
		ANI 3.1	Introduction to Maya	4	3	ANI 3.2	Modeling & Texturing	3	2
						VGE 3	Copy Writing (GE)	3	2
			Total	12	9		Total	12	8
		TOTAL HOURS = 24				TOTAL CREDITS = 17			


 Head of the Department
 Department of Visual Communication
 ANDHRA LOYOLA COLLEGE
 VIJAYAWADA - 520 008, Andhra Pradesh



DEPARTMENT OF VISUAL COMMUNICATION & ELECTRONIC MEDIA
ANDHRA LOYOLA COLLEGE (AUTONOMOUS), VIJAYAWADA- 520 008
B.Sc. VISUAL COMMUNICATION AND ELECTRONIC MEDIA

Course Structure 2018-2019



SECOND YEAR: IV SEMESTER

SEM		PAPERCODE	THEORY	HRS /WK	CR	PAPERCODE	PRACTICALS	HRS /WK	CR
IV		VC 4.1	Media Laws & Ethics	3	2				
		EM 4.1	Basic Film &Television Production Theory	4	3	VC 4.2	Principles of Designing	3	2
		ANI 4.1	Lighting & Rendering in Maya	4	3	EM 4.2	Basic Film &Television Production Practical	3	2
						ANI 4.2	Animation & Rigging	3	2
								</	

Raymond
 Head of the Department
 Department of Visual Communication
 ANDHRA LOYOLA COLLEGE



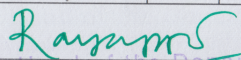
DEPARTMENT OF VISUAL COMMUNICATION & ELECTRONIC MEDIA
ANDHRA LOYOLA COLLEGE (AUTONOMOUS), VIJAYAWADA - 520 008
B.Sc. VISUAL COMMUNICATION AND ELECTRONIC MEDIA

Course Structure 2018-2019



THIRD YEAR: V SEMESTER

SEM		PAPERCODE	THEORY	HRS /WK	CR	PAPERCODE	PRACTICALS	HRS /WK	CR	
V		VC 5.1	Development Communication	4	3	VC 5.3	Advance Campaign Strategies	6	4	
		VC 5.2	Visual Analysis Tool	4	3	VC 5.4	Media Research Orientation	3	2	
		EM 5.1	Advanced Film & Television Production Theory	4	3	EM 5.2	Advanced Film & Television Production Practical	6	4	
		ANI 5.1	Composting	4	3	ANI 5.2	Advanced 3D Animation	3	2	
	Total				16	12	Total 18 12			
	TOTALHOURS =34					TOTALCREDITS=24				


 Head of the Department
 Department of Visual Communication
 ANDHRA LOYOLA COLLEGE
 VIJAYAWADA - 520 008, Andhra Pradesh



DEPARTMENT OF VISUAL COMMUNICATION & ELECTRONIC MEDIA
ANDHRA LOYOLA COLLEGE (AUTONOMOUS), VIJAYAWADA- 520 008
B.Sc. VISUAL COMMUNICATION AND ELECTRONIC MEDIA
Course Structure 2018-2019



THIRD-YEAR: VI SEMESTER

SEM	PAPER CODE	THEORY	HRS /WK THEORY	HRS /WK	CR	PAPER CODE	PRACTICALS	HRS /WK	CR
VI	VC 6.1	Interactive Design	4	4	3	VC 6.3	Project	6	8
	VC 6.2	Corporate Communication	4	4	3	VC 6.4	Study Paper	3	2
	EM 6.1	Film Genres	4	4	3	VC 6.5	Interactive Design (P)	6	4
						VC 6.6	Internship	-	6
							Story Boarding	3	2
							Specialization: Modelling & Texturing/ Animation & Rigging/ Rendering & Lighting	6	4
				Total	12	9			
							Total	24	26
	TOTAL HOURS = 36					TOTAL CREDITS = 35			

Raymond

Head of the Department
 Department of Visual Communication
 ANDHRA LOYOLA COLLEGE
 VIJAYAWADA-520 008, Andhra Pradesh.

Andhra Loyola College-Vijayawada(Autonomous)
Department of Botany-PG-Course Structure

SNo	SE M	Course Code	Course Title	Hours/Week	Credits
1	I	MAT111TY	TOPOLOGY	5	5
2	I	MAT112DE	ORDINARY DIFFERENTIAL EQUATIONS	5	5
3	I	MAT113RA	REAL ANALYSIS	5	5
4	I	MAT114GT	GRAPH THEORY	5	5
5	I	MAT115AA	ABSTRACT ALGEBRA	5	5
6	I	MAT111FC	FOUNDATION COURSE (APPLICATION OF MATHS)	5	5
7	I	MAT111QA	GENERAL ELECTIVE (Quantitative Aptitude)	3	2

SNo	SEM	Course Code	Course Title	Hours/Week	Credits
1	II	MAT121LA	LINEAR ALGEBRA	5	5
2	II	MAT122PD	PARTIAL DIFFERENTIAL EQUATIONS	5	5
3	II	MAT123RA	REAL ANALYSIS-II	5	5
4	II	MAT124ANM	ADVANCED NUMERICAL METHODS	5	5
5	II	MAT125BA	BASIC ABSTRACT ALGEBRA-II	5	5
6	II	MAT121SC	SEMINAR COURSE	2	2
7	II	MAT121GE	VERBAL REASONING	2	2

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SNo	SEM	Course Code	Course Title	Hours/Week	Credits
1	III	MAT231CA	COMMUTATIVE ALGEBRA - I	5	5
2	III	MAT232FA	FUNCTIONAL ANALYSIS - II	5	5
3	III	MAT233CAL	COMPLEX ANALYSIS - III	5	5
4	III	MAT234FSL	FUZZY SETS AND APPLICATIONS - IV	5	5
5	III	MAT235LT	LATTICE THEORY - V	5	5
6	III	MAT231RO C	RESEARCH ORIENTED COURSE	5	5
SNo	SEM	Course Code	Course Title	Hours/Week	Credits
1	IV	MAT241CA	COMMUTATIVE ALGEBRA - II	4	4
2	IV	MAT242AC T	ALGEBRAIC CODING THEORY	4	4
3	IV	MAT243MI	MEASURE AND INTEGRATION	4	4
4	IV	MAT244OT	OPERATOR THEORY	3	3
5	IV	MAT245NT	NUMBER THEORY	3	2
6	IV	MAT241RO C	RESEARCH ORIENTED COURSE	2	2

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ANDHRA LOYOLA COLLEGE (Autonomous) :: VIJAYAWADA-8

DEPARTMENT OF PHYSICS

M.Sc. COURSE STRUCTURE (UNDER CBCS) (2018-19)

ACADEMIC FRAMEWORK FOR PG COURSE IN SCIENCES (NON-PROFESSIONAL)				
Name of the Program Courses	Semester 1	Semester 2	Semester 3	Semester 4
Foundation courses				
1. Subject related FC	Concepts for Physicists			
2. Extension activity				
Core Courses				
1.	Mathematical Methods for Physicists	Statistical Mechanics	Atomic Physics	Molecular Physics
2.	Classical Mechanics	Advanced Quantum Mechanics	Nuclear Physics	Particle Physics
3.	Quantum Mechanics	Solid State Physics	Properties of Solids	Advances in materials Science
4.	Electronics	EM Theory Lasers and Optics		
Skill based subject elective-I			Glass Science and Technology/Thin film technology	Analytical Techniques/Solar energy & Photovoltaic Aspects
Skill based subject elective-II			Dielectrics , Ferroelectrics & High Temperature Super Conductors/ Radiation Physics	C-Programming and Computational Methods/ Renewable Energy
Seminar Course		Seminar		
General Electives (Interdisciplinary courses)	Physics of everyday life/ Medical Imaging Techniques	Radiation Hazards, Evaluation and Control/ Energy Management		
Research oriented Courses			Material Science	Material Science
Project Work/Industry Immersion module				
Final Credits	36+28	36+28	36+31	36+31+5+2

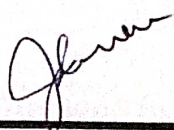
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ANDHRA LOYOLA COLLEGE (Autonomous) :: VIJAYAWADA-8

DEPARTMENT OF PHYSICS

M.Sc. COURSE STRUCTURE (UNDER CBCS) (2018-19)

Subjects	SEM I		SEM II		SEM III		SEM IV	
	Hrs/W	Credits	Hrs/W	Credits	Hrs/W	Credits	Hrs/W	Credits
Foundation courses								
Subject related FC	4	2						
Core Papers								
Core 1	4+3	4+2	4+3	4+2	4+3	4+2	4+3	4+2
Core 2	4+3	4+2	4+3	4+2	4+3	4+2	4+3	4+2
Core 3	4+3	4+2	4+3	4+2	4+3	4+2	4+3	4+2
Core 4	4+3	4+2	4+3	4+2				
Skill Based Subject Elective 1					3+3	3+2	3+3	3+2
Skill Based Subject Elective 2					3+3	3+2	3+3	3+2
Seminar Course			4	2				
General Electives (Interdisciplinary)	4	2	4	2				
Research Oriented Course					3	3	3	3
Project Work/Industry Internship	To be done during summer vacation between II and III Semesters							5
Hrs/W(Academic Credits)	36	28	36	28	36	31	36	36
Extension Activities (Non Academic Credits) ALANA				2				
OVERALL CREDITS				125				

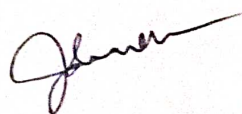


ANDHRA LOYOLA COLLEGE (Autonomous) :: VIJAYAWADA-8

DEPARTMENT OF PHYSICS SEMESTER I

M.Sc. COURSE STRUCTURE (UNDER CBCS)(2018-19)

S.No.	Course	Title	Hours/ week	No of Credits	CIA	SE	Total
1	Foundation Course	Concepts for physicists	4	2	50	50	100
2	Core Course	Mathematical Methods for Physicists	4	4	50	50	100
3	Core Course	Classical Mechanics	4	4	50	50	100
4	Core Course	Quantum Mechanics	4	4	50	50	100
5	Core Course	Electronics	4	4	50	50	100
6	General Elective	Physics of Everyday life / Medical Imaging Techniques	4	2	50	50	100
7	Practical-I	General Physics-I	3	2	50	50	100
8	Practical-II	General Physics-II	3	2	50	50	100
9	Practical-III	General Electronics	3	2	50	50	100
10	Practical-IV	Digital Electronics	3	2	50	50	100
			36	28	550	450	1000

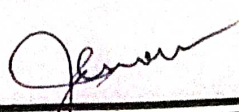


ANDHRA LOYOLA COLLEGE (Autonomous) :: VIJAYAWADA-8

DEPARTMENT OF PHYSICS Semester II

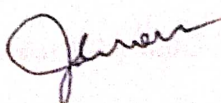
M.Sc, Physics - Course Structure w.e.f (2018-2019)

S. No.	Course	Title	Hours /week	No of Credits	CIA	SE	Total
1	Core Course	Statistical Mechanics	4	4	50	50	100
2	Core Course	Advanced Quantum Mechanics	4	4	50	50	100
3	Core Course	Solid state Physics	4	4	50	50	100
4	Core Course	EM Theory, Lasers & Optics	4	4	50	50	100
5	Seminar Course	Student Activity	4	2	50	50	100
6	General Elective	Energy Management/Radiation Hazards Evaluation & Control	4	2	50	50	100
7	Practical-I	Advanced Physics & Optics Lab-I	3	2	50	50	100
8	Practical-II	Advanced Physics & Optics Lab-II	3	2	50	50	100
9	Practical-III	Operational Amplifiers-I	3	2	50	50	100
10	Practical-IV	Operational Amplifiers-II	3	2	50	50	100
11	Extension Activity	Lab to School/School to Lab	45(Off campus)	2			
			36	30	500	500	1000



ANDHRA LOYOLA COLLEGE (Autonomous) :: VIJAYAWADA-8
DEPARTMENT OF PHYSICS
M.Sc, Physics - Course Structure w.e.f (2018-2019)
Semester III

S.No	Course	Title	Hours /week	No of Credits	CIA	SE	Total
1	Core Course	Atomic Physics	4	4	50	50	100
2	Core Course	Nuclear Physics	4	4	50	50	100
3	Core Course	Properties of Solids	4	4	50	50	100
4	Skill Based Electives	Glass Science & Technology/Thin film technology	3	3	50	50	100
5	Skill Based Electives	Dielectrics, Ferroelectrics & High Temperature Super Conductors/ Radiation Physics	3	3	50	50	100
6	Practical-I	Material Science Lab-I	3	2	50	50	100
7	Practical-II	Material Science Lab-II	3	2	50	50	100
8	Practical-III	Preparation and Characterisation of Binary glass Lab	3	2	50	50	100
9	Practical-IV	Micro Processor Lab-I	3	2	50	50	100
10	Practical-V	Micro Processor Lab-II	3	2	50	50	100
11	Research Oriented Course	Material Science	3	3	50	50	100
			36	31	550	550	1100



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DEPARTMENT OF PHYSICS

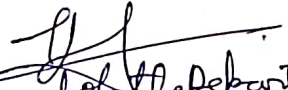
M.Sc, Physics - Course Structure w.e.f (2018-2019) IV SEMESTER

S.No	Course	Title	Hours/ week	No of Credits	CIA	SE	Total
1	Core Course	Molecular Physics	4	4	50	50	100
2	Core Course	Particle Physics	4	4	50	50	100
3	Core Course	Advances in materials Science	4	4	50	50	100
4	Skill Based Electives	Analytical Techniques/Solar Energy & Photovoltaic Aspects	3	3	50	50	100
5	Skill Based Electives	Computational Methods & programming/Renewable Energy	3	3	50	50	100
6	Practical-I	C-Programming Lab	3	2	50	50	100
7	Practical-II	Numerical Methods & Programming Lab	3	2	50	50	100
8	Practical-III	Condensed Matter Physics Lab-I	3	2	50	50	100
9	Practical-IV	Condensed Matter Physics Lab-II	3	2	50	50	100
10	Practical-V	Thermodynamic & Thermoacoustic Properties of materials Lab	3	2	50	50	100
11	Research Oriented Course	Material Science	3	3	50	50	100
			36	31	550	550	1100

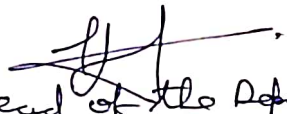


2018-19

2018-19					
DEPARTMENT					
SEM	CORE/ Foundation Course (FC) / Certificate Course	COURSE CODE	COURSE TITLE	No. of Hrs/W	No. of Credits
I	Core 1 - Theory	CHE111GC	General chemistry	4	4
	Core 1 - Lab	CHE111(P1)	General chemistry practical	3	2
	Core 2- Theory	CHE112IC	Inorganic chemistry	4	4
	Core 2-Lab	CHE112(P2)	Inorganic chemistry practical	3	2
	Core 3- Theory	CHE113OC	Organic chemistry	4	4
	Core 3-Lab	CHE113(P3)	Organic chemistry Practical	3	2
	Core 4- Theory	CHE114PC	Physical chemistry	4	4
	Core 4-Lab	CHE114(P4)	Physical chemistry Practical	3	2
	FC	CHE111FC	Introduction to concepts of chemistry	4	2
	GE	CHE111GE(EC)	Environmental chemistry	4	2
II	Core 1 - Theory	CHE121GC	General chemistry	4	4
	Core 1 - Lab	CHE121(P1)	Organic chemistry Practical -2A	3	2
	Core 2- Theory	CHE122IC	Inorganic Chemistry	4	4
	Core 2-Lab	CHE122(P2)	Inorganic chemistry practical -2	3	2
	Core 3- Theory	CHE123OC	Organic Chemistry	4	4
	Core 3-Lab	CHE123(P3)	Organic Chemistry Practical -2B	3	2
	Core 4- Theory	CHE124PC	Physical Chemistry	4	4
	Core 4-Lab	CHE124(P4)	Physical Chemistry Practical -2	3	2
	GE	CHE121GE(ES)	Environmental study	4	2
	Seminar Course	CHE121SC	Seminar	4	2


 Head of the Department
 (P. G - Chemistry)

III	Core 1 - Theory	CHE231OS	Organic Synthesis -1	4	4
	Core 1 - Lab	CHE231(P1)	Three step synthesis	3	2
	Core 2- Theory	CHE232OR	Oxidations ,Reductions & Hetrocyclic Chemistry	4	4
	Core 2-Lab	CHE232(P2)	Analysis of organic binary mixture	3	2
	Core 3- Theory	CHE233MR	Molecular rearrangements,pericyclic reactions and photo chemistry	4	4
	Core 3-Lab	CHE233(P3)	Estimation of organic compounds	3	2
	SBSE 1-Theory	CHE234OS	Organic spectroscopy-1	3	3
	SBSE 1-lab	CHE234(P4)	Spectral Characterisation of Organic Compounds	3	2
	SBSE 2-Theory	CHE235PA	Pharmaceutical Analysis	3	3
	SBSE 2-lab	CHE235(P5)	Pharmaceutical Analysis Practical	3	2
	ROC	CHE231ROC	Research Oriented Course	3	3
IV	Core 1 - Theory	CHE241OS	Organic synthesis-2	4	4
	Core 1 - Lab	CHE241FS(P1)	Four step synthesis	3	2
	Core 2- Theory	CHE242OR	Oxidations reagents,heterocyclic chemistry	4	4
	Core 2-Lab	CHE242PB(P2)	Preparations based on named reactions	3	2
	Core 3- Theory	CHE243OCNP	Organo metallic chemistry,natural products and antibiotics	4	4
	Core 3- lab	CHE243EO(P3)	Estimation of organic compounds	3	2
	SBSE 1-Theory	CHE244OS	Organic Spetroscopy-2	3	3
	SBSE 1-lab	CHE244SC(P4)	Spectral Charecterisation of Organic Compounds	3	2
	SBSE 2-Theory	CHE245IM	Instrumental method of analysis	3	3
	SBSE 2-lab	CHE245IM(P5)	Instrumental method of analysis practical	3	2
	ROC	CHE241ROC	Research Oriented Course	3	3
	Project work	CHE241P	Summer Project	-	4


Head of the Department
P.G - Chemistry

ANDHRA LOYOLA COLLEGE (AUTONOMOUS): VIJAYAWADA				
DEPARTMENT: M.Sc BIOTECHNOLOGY				
ACADEMIC YEAR - 2018-19				
Semester 1				
Course Type	Title of the Course	COURSE CODE	Hrs/W	No. of Credits
Foundation Course	Essentials for Biotechnology	BTY111FC	4	4
Core course I	Cell Biology & Genetics	BTY111CBG	4	4
Core course II	Biochemistry	BTY112BC	4	4
Core course III	Microbiology	BTY113MB	4	4
Core course IV	Bioinstrumentation	BTY114BI	4	4
Core Practical I	Cell Biology & Genetics	BTY111CBG(P)	3	2
Core Practical II	Biochemistry	BTY112BC(P)	3	2
Core Practical III	Microbiology	BTY113MB(P)	3	2
Core Practical IV	Bioinstrumentation	BTY114BI(P)	3	2
Seminar Course	Seminar Course	BTY111SC	4	2
General Elective	Applied Biotechnology	BTY111GE	4	2
Semester 2				
Course Type	Title of the Course	COURSE CODE	Hrs/W	No. of Credits
Core course I	Molecular Biology	BTY121MB	4	4
Core course II	Enzymology	BTY122EM	4	4
Core course III	Biostatistics & Bioinformatics	BTY123BB	4	4
Core course IV	Food Biotechnology	BTY124FB	4	4
Core Practical I	Molecular Biology	BTY121MB(P)	3	2
Core Practical II	Enzymology	BTY122EM(P)	3	2
Core course III	Biostatistics & Bioinformatics	BTY123BB(P)	3	2
Core course IV	Food Biotechnology	BTY124FB(P)	3	2
Seminar Course	Seminar Course	BTY122SC	4	2
General Elective	Forensic Science	BTY122GE	4	2

Semester 3				
Course Type	Title of the Course	COURSE CODE	Hrs/W	No. of Credits
Core course I	Genetic Engineering	BTY231GE	4	4
Core course II	Immunology And Immunotechnology	BTY232IT	4	4
Core course III	Genomics And Proteomics	BTY233GP	4	4
Core course IV	Industrial Biotechnology	BTY234IB	4	4
Core course V	Environmental Biotechnology	BTY235EB	4	4
RESEARCH ORIENTED COURS	Research Oriented Course	BTY231ROC	3	3
Core Practical I	Genetic Engineering (P)	BTY231 (P)	3	2
Core Practical II	Immunology And Immuno Technology (P)	BTY232 (P)	3	2
Core Practical III	Genomics And Proteomics (P)	BTY233 (P)	3	2
Core Practical IV	Industrial Biotechnology (P)	BTY234 (P)	3	2
Core Practical V	Environmental Biotechnology (P)	BTY235 (P)	3	2
Semester 4				
Course Type	Title of the Course	COURSE CODE	Hrs/W	No. of Credits
Core course I	Plant Biotechnology	BTY241PB	4	4
Core course II	Animal Biotechnology	BTY242AB	4	4
Core course III	Entrepreneurship And Management In Biotechnology	BTY243EMB	4	4
Core course IV	Marine Biotechnology	BTY244MB	3	3
Core course V	Medical Biotechnology	BTY245MB	3	3
RESEARCH ORIENTED COURS	Research Oriented Course	BTY241ROC	3	3
Core Practical I	Plant Biotechnology	BTY241 (P)	3	2
Core Practical II	Animal Biotechnology (P)	BTY242 (P)	3	2
Core Practical III	Entrepreneurship And Managment In Biotechnology (P)	BTY243 (P)	3	2
Core Practical IV	Marine Biotechnology (P)	BTY244 (P)	3	2
Core Practical V	Medical Biotechnology (P)	BTY245 (P)	3	2
	Final Project	BTY241 P		4

V. Kavitha.

ANDHRA LOYOLA COLLEGE (AUTONOMOUS): VIJAYAWADA				
DEPARTMENT: M.Sc BIOTECHNOLOGY				
ACADEMIC YEAR - 2018-19				
Semester 1				
Course Type	Title of the Course	COURSE CODE	Hrs/W	No. of Credits
Foundation Course	Essentials for Biotechnology	BTY111FC	4	4
Core course I	Cell Biology & Genetics	BTY111CBG	4	4
Core course II	Biochemistry	BTY112BC	4	4
Core course III	Microbiology	BTY113MB	4	4
Core course IV	Bioinstrumentation	BTY114BI	4	4
Core Practical I	Cell Biology & Genetics	BTY111CBG(P)	3	2
Core Practical II	Biochemistry	BTY112BC(P)	3	2
Core Practical III	Microbiology	BTY113MB(P)	3	2
Core Practical IV	Bioinstrumentation	BTY114BI(P)	3	2
Seminar Course	Seminar Course	BTY111SC	4	2
General Elective	Applied Biotechnology	BTY111GE	4	2
Semester 2				
Course Type	Title of the Course	COURSE CODE	Hrs/W	No. of Credits
Core course I	Molecular Biology	BTY121MB	4	4
Core course II	Enzymology	BTY122EM	4	4
Core course III	Biostatistics & Bioinformatics	BTY123BB	4	4
Core course IV	Food Biotechnology	BTY124FB	4	4
Core Practical I	Molecular Biology	BTY121MB(P)	3	2
Core Practical II	Enzymology	BTY122EM(P)	3	2
Core course III	Biostatistics & Bioinformatics	BTY123BB(P)	3	2
Core course IV	Food Biotechnology	BTY124FB(P)	3	2
Seminar Course	Seminar Course	BTY122SC	4	2
General Elective	Forensic Science	BTY122GE	4	2

Semester 3				
Course Type	Title of the Course	COURSE CODE	Hrs/W	No. of Credits
Core course I	Genetic Engineering	BTY231GE	4	4
Core course II	Immunology And Immunotechnology	BTY232IT	4	4
Core course III	Genomics And Proteomics	BTY233GP	4	4
Core course IV	Industrial Biotechnology	BTY234IB	4	4
Core course V	Environmental Biotechnology	BTY235EB	4	4
RESEARCH ORIENTED COURS	Research Oriented Course	BTY231ROC	3	3
Core Practical I	Genetic Engineering (P)	BTY231 (P)	3	2
Core Practical II	Immunology And Immuno Technology (P)	BTY232 (P)	3	2
Core Practical III	Genomics And Proteomics (P)	BTY233 (P)	3	2
Core Practical IV	Industrial Biotechnology (P)	BTY234 (P)	3	2
Core Practical V	Environmental Biotechnology (P)	BTY235 (P)	3	2
Semester 4				
Course Type	Title of the Course	COURSE CODE	Hrs/W	No. of Credits
Core course I	Plant Biotechnology	BTY241PB	4	4
Core course II	Animal Biotechnology	BTY242AB	4	4
Core course III	Entrepreneurship And Management In Biotechnology	BTY243EMB	4	4
Core course IV	Marine Biotechnology	BTY244MB	3	3
Core course V	Medical Biotechnology	BTY245MB	3	3
RESEARCH ORIENTED COURS	Research Oriented Course	BTY241ROC	3	3
Core Practical I	Plant Biotechnology	BTY241 (P)	3	2
Core Practical II	Animal Biotechnology (P)	BTY242 (P)	3	2
Core Practical III	Entrepreneurship And Managment In Biotechnology (P)	BTY243 (P)	3	2
Core Practical IV	Marine Biotechnology (P)	BTY244 (P)	3	2
Core Practical V	Medical Biotechnology (P)	BTY245 (P)	3	2
	Final Project	BTY241 P		4

V. Kavitha.

ANDHRA LOYOLA COLLEGE

DEPARTMENT OF MCA

ODD SEMESTER 2018-2019

Semester -I:

S.No	Course Code	Name of the Course	Hours			Credits	
	Year/Sub/Paper		L	T	P	Theory	Practicals
1	20MCA101	Discrete Mathematics	3	-	-	3	-
2	20MCA102	Data Base Management System	3	-	-	3	-
3	20MCA103	Programming and Problem Solving using Python	4	-	-	3	-
4	20MCA104	Java	3	-	-	3	-
5	20MCA105	Operating System	3	-	-	3	-
6	20MCA106	Computer Organization	4	-	-	3	-
7	20MCA107	Programming and Problem Solving using Python Lab	-	-	6	-	3
8	20MCA108	Data Base Management System Lab	-	-	6		3
9	20MCA109	General Elective (Soft Skills)	4				
10	20MCA110	Foundation Course					
		Sub-Total	24	-	12	18	6
		Total	36 Hours Per Week			24 Credits Per Semester	

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MCA-HOD

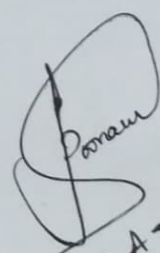
ANDHRA LOYOLA COLLEGE (AUTONOMOUS)

DEPARTMENT OF MCA

EVEN SEMESTER-2018-2019

II SEMESTER DETAIL SYLLABUS

Sl. No	Subject Code	Subject Title	Internal Marks	External Marks	Total Marks	Hours Per Week	No. of Credits/ Week
1	Foundation Course	Communication Skills	50	50	50	----	2
2	MCA20117	Data Structures	50	50	100	4	4
3	MCA20217	Object Oriented Programming	50	50	100	4	4
4	MCA20317	Operating Systems	50	50	100	4	4
5	MCA20417	Database Management System	50	50	100	4	4
6	MCA20517	Computer Networks	50	50	100	4	4
7	MCA20617	General Elective Office Automation	50	50	100	4	2
8	MCA207P17	Data Structures Lab	50	50	100	6	3
9	MCA208P17	DBMS Lab	50	50	100	6	3
Total			450	450	900	36	30


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M.C.A. - HoD

SEMESTER -III

Sl. No	Subject Code	Subject Title	Internal Marks	External Marks	Total Marks	Hours Per Week	No. of Credits/ Week
1	MCA30117	Cryptography & Network Security	50	50	100	4	4
2	MCA30217	Advanced JAVA	50	50	100	4	4
3	MCA30317	Object Oriented Software Engineering	50	50	100	4	4
4	MCA30417	Operations Research	50	50	100	4	4
5	MCA30517	Programming in Python	50	50	100	4	4
6	MCA306P17	Python Lab	50	50	100	6	3
7	MCA307P17	Advanced Java Lab	50	50	100	6	3
8	MCA308P17	Seminar		50	50	3	2
Total			350	400	750	35	28

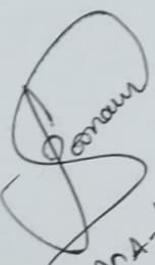
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SEMESTER IV

Sl. No	Subject Code	Subject Title	Internal Marks	External Marks	Total Marks	Hours Per Week	No. of Credits/ Week
1	MCA40117	Computer Graphics	50	50	100	4	4
2	MCA40217	Open Source Technologies	50	50	100	4	4
3	MCA40317	Data mining & Data Warehouse	50	50	100	4	4
4	MCA40417	Android Application Development	50	50	100	4	4
5	MCA405.117	Enterprise Resource Planning					
	MCA405.217	Compiler Design					
	MCA405.317	Software Testing					
6	MCA406P17	Data Mining Lab	50	50	100	6	3
7	MCA407P17	Android App Lab	50	50	100	6	3
8	MCA40817	Project Planning & Mini Project & Mini Project		50	100	3	2
Total			350	400	750	35	28

SEMESTER V

SL No	Subject Code	Subject Title	Internal Marks	External Marks		Total Marks	Hours Per Week	No. of Credits/ Week
1	MCA50117	Data Sciences	50	50		100	4	4
2	MCA50217	Design and Analysis of Algorithms		50	50	100	4	4
3	MCA50317	Dot Net Programming		50	50	100	4	4
4	MCA50417	Artificial Intelligence		50	50	100	4	4
5	MCA505.117	Robotics						
	MCA505.217	IoT						
	MCA505.317	Block Chain Technologies						
	MCA505.417	Cyber Crimes and Cyber Laws		50	50	100	4	4
6	MCA506P17	Data Science Lab		50	50	100	6	3
7	MCA507P17	Dot Net Programming Lab		50	50	100	6	3
8	MCA508P17	Mini Project			50	50	3	2
Total				350	400	750	35	28

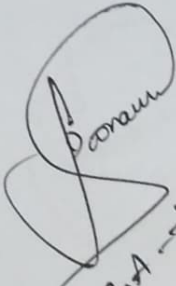

 MCA-HOD

SEMESTER VI

Major Project: Credits

Objectives:

1. To explore the knowledge of students in technical domain and application domain.
0. To get an experience to develop software in the corporate domain.


M.C.A. HoD

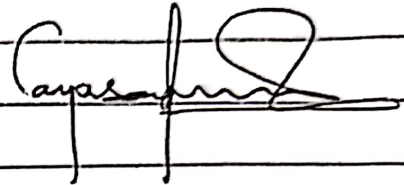
Minutes of the meeting of the board of studies
in MBA department held on 19-03-2018 at 3:00 PM.

Members:

1. REV. FR. DR. G. A. P. KISHORE, S.J., Principal
2. REV. FR. DR. A. REX ANGELO, S.J., vice-principal

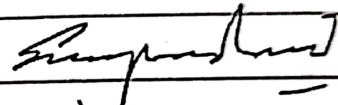
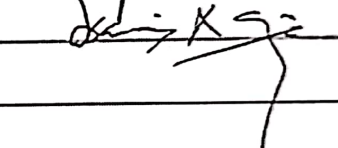
University Nominee:

3. Dr. Ch. Jaya Sankara Prasad



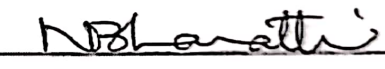
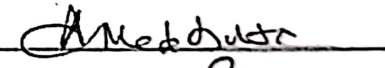

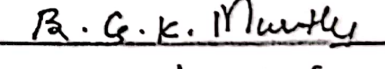
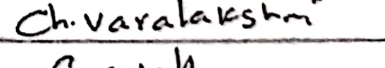
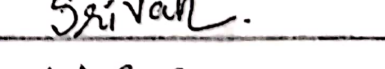
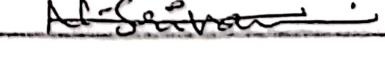
External Nominee:

4. Dr. B. Syam Sundar
5. Dr. N. A. Francis Xavier

Faculty

6. Mrs. N. Bharathi
7. Mrs. A. Madhuxi
8. Dr. S. Poorna Prabhat
9. Dr. B. G. K. Murthy
10. Mrs. Ch. Vasa Lakshmi
11. Mrs. J. Srivalli
12. M. Seivani

MINUTES

The Meeting of Board of Studies of Department of MBA was held on March 19th 2018, at 3:00 pm in the Departmental Staff Room.

After a thorough discussion the following resolutions were passed unanimously:

1. It is resolved to follow the proposed course structure under autonomy for MBA course for the students admitted from the academic year 2017-18 onwards as attached here under:

COURSES	SEMESTER I	SEMESTER II	SEMESTER III	SEMESTER IV
Foundation Course				
BUSINESS FUNDAMENTALS	2(2)			
Extension Activity	45(2)			
Core Courses				
1	5(4)	5(4)	3(3)	3(3)
2	5(4)	5(4)	5(4)	5(4)
3	5(4)	5(4)	5(4)	5(4)
4	5(4)	5(4)	5(4)	5(4)
5	5(4)	4(3)	5(4)	5(4)
6	5(4)	4(3)	5(4)	5(4)
7	----	-----	5(4)	5(4)
Seminar	----	----		
Communication Skills	—	----	—	
General Electives	4(2)	4(2)		
GENERIC ELECTIVE		4(2)	3(2)	3(2)
Research Oriented Course			----	
Project Work / Comprehensive viva			0(2)	0(4)
	36(28)	36(28)	36(31)	36(33)

Total credits = 120



2. It is resolved to follow the following examination pattern for every paper under Autonomy for MBA course for the students admitted from the academic year 2017-18 onwards as attached here under:

Continuous internal assessment for 50 marks with the following components:	Semester End Examination for 50 Marks
(a) Mid Semester Test I : 20 Marks	
(b) Mid Semester Test II : 20 Marks	
(c) Assignments : 5 Marks	
(d) Attendance : 5 Marks	

3. It is Resolved to offer

(a) Strategic Management as common course in Semester III

(b) The following are the Specializations and Elective Subjects offered in Semester III. Every student has an Opportunity to choose 6 Subjects under CBCS.

MARKETING	<ol style="list-style-type: none"> 1. Consumer Behaviour & Marketing Research 2. Product and Brand Management 3. Advertising management 4. Services Marketing 5. Industrial Marketing
HRM & OB	<ol style="list-style-type: none"> 1. Human Resource Planning 2. Performance & Reward Management 3. Training and Development 4. Organization Development and Change 5. Industrial Relations & Labour Laws
FINANCE	<ol style="list-style-type: none"> 1. Financial Institutions & Markets 2. Corporate Finance 3. Security Analysis & Portfolio Management 4. Investment & Commercial Banking 5. Mergers & Acquisitions
OPERATIONS	<ol style="list-style-type: none"> 1. Manufacturing systems in Management 2. Services Operations Management

	3. Logistics and Distribution Management 4. Supply Chain Management 5. Operations Research Applications
ENTREPRENEURSHIP	1. Business Opportunities in Emerging Economies 2. Basic Management Aspects of Startups and SMEs 3. Startup & New Venture Management 4. Venture Capital & Private Equity 5. Entrepreneurial Ecosystem in India

(c) It is Resolved to Introduce Three Generic Electives for MBA III Semester Course Every Student Has to choose one Elective out of the following Three Electives

1. Leadership
2. Creativity & Innovation
3. Any online course related to MBA

(d) International Business as common course in Semester IV

(e) The following are the Specializations and Elective Subjects offered in Semester IV. Every student has an Opportunity to choose 6 Subjects under CBCS.

MARKETING	1. Strategic Marketing 2. Sales & Distribution Management 3. Retail Management 4. Rural & Agri Marketing 5. E-Marketing
HRM & OB	1. Human Resource Development 2. Leadership 3. Strategic HRM 4. International HRM 5. Stress Management
FINANCE	1. Financial Risk Management) 2. Commodity Markets & Derivatives 3. Global Finance

	4. Strategic Investment & Financial Decision Making 5. Strategic Cost Management
OPERATIONS	1. Advance Data Analysis for Management 2. Strategic Sourcing 3. Quality Assurance Management 4. Lean Manufacturing 5. Total Quality Management
ENTREPRENEURSHIP	1. Family Business Management 2. Social Entrepreneurship 3. Corporate Entrepreneurship 4. Entrepreneurial Leadership 5. Global Entrepreneurial Ecosystem

(f) It is Resolved to Introduce Three Generic Electives for MBA IV Semester Course Every Student Has to choose one Elective out of the following Three Electives

1. Employability skills
2. Selling and Negotiation Skills
3. Statistical software Application.

(g) It is resolved to Introduce Project Work at the end of II semester for a period of minimum Six Weeks

(h) It is resolved to assess the project work at the end of III semester and Comprehensive Viva at the end of IV semester

4. It is resolved to Follow the proposed Detailed Syllabus, Question paper pattern and scheme of Evaluation as attached


Dr.B.G.K.Murthy,

HoD, Department of MBA,

Chairman, Board of Studies