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# Authenticated list of number of courses in each program duly sign by Principal during academic year

# 2019-2020



POONA COLLEGE OF ARTS, SCIENCE & COMMERCE

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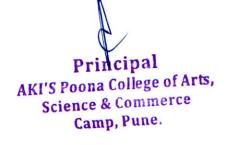
## Professor (Dr.) Aftab Anwar Shaikh

M.Com, Ph.D (Busi. Admin.) PRINCIPAL

# **Extended Profile: 1.1**

#### • Number of Courses across all Programme: Academic Year 2019-20

Program code	Program Name	Course code	Course Name
	ARTS, S	11011	Compulsory English (Sem-I)
	135	11012	Compulsory English (Sem-II)
	BA Engli <mark>sh (FY</mark> )	11331	Optional English General Paper I (Sem I)
	1	11332	Optional English General Paper I (Sem II)
BA English		2017	Compulsory English
DA DI 01	DA English (SV)	2337	General English II
BA_EN_01	BA Engli <mark>sh (S</mark> Y)	2338	Special English I
		2339	Special English II
		3017	Compulsory English
		3337	General English III
	BA English (TY)	3338	Special English III
		3339	Special English IV
		10091	English Literature from 1550 to 1798
MA English MA_EN_01		10092	English Literature from 1798 to the Present
	MA English (FY)	10691	Contemporary Studies in English Language
		10692	Literary Criticism and Theory
		20091	English Literature from 1550 to







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			1798	
		20092	English Literature from 1798 to the Present	
		20691	Contemporary Studies in English Language	
		20692	Literary Criticism and Theory	
	AR ARISHS	30092	Indian Writing in English	
		30094	English Language and Literature Teaching	
		30694	Drama in English	
	MA English (SY)	30698	American Literature	
	WA Eligiisii (ST)	40092	Indian Writing in English	
		40094	English Language and Literature Teaching	
		40694	Drama in English	
		4069 <mark>8</mark>	American Literature	
	BA Economics (FY)	11151	Indian Economic Environment Sem- I	
	BA Economics (F1)	11152	English Language and Literature Teaching Drama in English American Literature Indian Writing in English English Language and Literature Teaching Drama in English American Literature Indian Economic Environment Sem- I Indian Economic Environment Sem- I Modern Banking Micro Economics Macro Economics Economic Development & Planning International Economics Elementary quantitative techniques	
BA		2157	Modern Banking	
Economics	BA Economics (SY)	2158	Micro Economics	
BA_EC_02		2159 N	Macro Economics	
		3157	Economic Development & Planning	
	BA Economics (TY)	3158	International Economics	
	DA Economics (11)	3159	Elementary quantitative techniques	
	,	3159	Public Finance	

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		EC-1001	Micro Economic Analysis I		
		EC-1002	Public Economics I		
		EC-1003	International Trade		
		EC-1004	Agricultural Economics		
	MA Francisco (EV)	EC-1004	Statistical Techniques		
	MA Economics (FY)	EC-2001	Micro Economic Analysis II		
		EC-2002	Public Economics II		
MA		EC-2003	International Finance		
Economics		EC-2004	Labour Economics		
		EC-2004	Public Economics II International Finance Labour Economics Mathematical Economics Macro Economic Analysis I Growth & Development I Modern Banking Demography Macro Economic Analysis II Growth & Development II		
MA_EC_02		3001	Macro Economic Analysis I		
		3002	Growth & Development I		
		3003	Modern Banking		
	MA Economics (SY) 3004	3004	Demography		
	WA Economics (ST)	4001	Macro Economic Analysis II		
	MAOWLEDGE (S	4002	Growth & Development II		
		4003	Research Methodology Project		
		4004	Economics of Environment		
	BA Hindi (FY)		Hindi General 1 (vaykalpik hindi prashnpatra		
BA Hindi		11092 B	Hindi General 1 (vaykalpik hindi prashnpatra Sem 2)		
BA HN 03		2097	Hindi General 2 (Sahitya)		
DATING 05	BA Hindi (SY)	2098	Hindi Special 1 (Hindi Bhasha ka Vikas & Bhasha vigyan)		
		2099	Hindi Special 2 (Upnyas		







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			madhyaugin kavya tatha natak)
		3097	Hindi General 3 (Sahitya)
	BA Hindi (TY)	3098	Hindi Special 3 (Hindi Sahitya ka Itihas)
		3099	Hindi Special 4 (Kavyashashtra)
	DA Dalitical Calumate (EV)	11161 A	Introduction to Indian Constitution
	BA Political Science (FY)	11162 B	61 AIntroduction to Indian Constitution62 BIntroduction to Indian Constitution62 BIntroduction to Indian Constitution62 Political Theory & Concepts63 Western Political Thought64 Political Sociology7 Political Ideologies7 Political Ideologies7 Political Ideologies8 Public Administration9 International Politics3871 Descriptive Statistics I3271 Discrete Probability and Probability3872 Descriptive Statistics II3272 Discrete Probability Distributions
BA Political		2167	Political Theory & Concepts
Science	BA Political Science (SY)	2168	Western Political Thought
	8 7	2169	Political Sociology
BA_PS_04		3167	Political Ideologies
	BA Political Science (TY)	3168	Public Administration
		3169	International Politics
	BA Statistics (FY)	ST-13871	Descriptive Statistics I
		ST-13271	Discrete Probability and Probability Distributions
		ST-13872	Descriptive Statistics II
		ST-13272	Discrete Probability Distributions
BA Statistics	*	2387	Sampling Techniques & Statistical Process Control
BA_ST_05	BA Statistics (SY)	2388	Continuous Probability Distributions, Sampling Distributions and Inference
		2389	Practical
		2327	Discrete Probability Distributions, Statistical Methods and R-Software
	BA Statistics (TY)	3388	Distribution Theory

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		3389	Practical's
		3327	Statistical Inference
		3387	Design of Experiments and Operations Research
	BA Urdu (FY)	11071	Urdu General-I
	BA Oldu (F1)	11072	Urdu General-I
		2077	Urdu General II
BA Urdu	BA Urdu (SY)	2078	History of Urdu Literature Prose and Poetry Texts Urdu General III Principles of Literary Criticism Essay, Grammar, Prosoday and Philology
		2079	Prose and Poetry Texts
BA_UD_06		3077	Urdu General III
	BA Urdu (TY)	3078	Principles of Literary Criticism
		3079	
		10701	Modern Prose Texts
		10702	Mass Media
	Report of the second	10703	Essay, Rhetoric, Prosody and Translation
	MA Urdu (FY)	10704 S	Special Study of Prose Writer
MA Urdu		20701	Modern Poetry Texts
Whit oldu		20702	Classical Prose and Poetry Texts
MA_UD_03		20703	Philology
		20704	Special Study of Poetry Texts
		30791	Medieval Prose Subordinate Texts
	MA Urdu (SY)	40791	Medieval Poetry Texts
		30792	History of Urdu Literature-1857
		40792	History of Urdu Literature from1857

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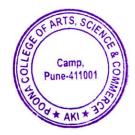


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#### Professor (Dr.) Aftab Anwar Shaikh

		to 1990
	30793	Principles of Literary Criticism
	40793	History of Urdu literary Criticism
	30794	Critical Study of Deccani Literature
	40794	Critical Study of Deccani Literature
DA History (Concerb) EV	11171	From Prehistory to the Age of the Mauryas
BA History (General) FY	11172	Post Mauryas to the Age of Rashtrakutas
BA History (General) SY	2177	Modern India
BA His <mark>tory (</mark> General) TY	3177	History of the World in 20th Century (1914-920)
8/	15111	Mathematics General I – Algebra
BA Mathematics (General) FY	15113	Financial Mathematics I
	15121	Mathematics General II – Geometry
	15123	Financial Mathematics II
BA Mathematics (General) SY	FMG 2	Operations Research and Optimization Techniques
DA Dousian (Conoral) EV	11101	Persian General-I
BA Persian (General) F Y	11102	Persian General-II
BA Persian (General) SY	2107	Persian General-II
BA Persian (General) TY	3107	Persian General-III
DA Davahala ay (Cananal) EV	11221	Foundations of Psychology
BA Psychology (General) FY	11222	Introduction to Social Psychology
BA Psychology (General) SY	2227	Social Psychology
BA Psychology (General) TY	3227	Industrial and Organisational Psychology
	BA History (General) TY BA Mathematics (General) FY BA Mathematics (General) SY BA Persian (General) FY BA Persian (General) FY BA Persian (General) TY BA Psychology (General) FY	4079330794407944079440794BA History (General) FY11171BA History (General) SY2177BA History (General) TY3177BA History (General) TY3177BA Mathematics (General) FY151111512115123BA Mathematics (General) SYFMG 2BA Persian (General) FY11101BA Persian (General) FY11102BA Persian (General) SY2107BA Persian (General) FY11221BA Persian (General) FY11221BA Persian (General) FY11221BA Psychology (General) FY1222BA Psychology (General) SY2227BA Psychology (General) TY3227

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		11371 A	
BA	BA BA Sociology (General) FY		Introduction to Sociology
Sociology		11371 B	Introduction to Sociology
DA 60 11	BA Sociology (General) SY	2377	Population & Society
BA_SO_11	BA Sociology (General) TY	3377	Work & Society
BA Arabic	DA Archia (Concrel) EV	11141	Arabic General-I
(General)	BA Arabic (General) FY	11142	Arabic General-I
D4 4D 12	BA Arabic (General) SY	2147	Arabic General-II
BA_AR_12	BA Arabi <mark>c (Gen</mark> eral) TY	3147	Arabic General-III
	S .	111	Functional English-I
		112	Financial Accounting-I
		113	Business Economics (Micro) –I
		114-A	Business Mathematics and Statistics –I
		114-B	Computer Concepts and Applications-I
		115-A	Organization Skill Development-I
B COM	D COM (EV)	115-B	Banking & Finance-I
BCO 01	B COM (FY)	116-A	Essentials of E-Commerce-I
_		116-C	Marketing & Salesmanship –I
		116-D	Consumer Protection and Business Ethics –I
		116-E	Business Environment & Entrepreneurship –I
		117	Additional English-I
		117	Marathi –I
		117	Hindi –I

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		117	Persian -I
		117	Urdu-I
	117	Arabic-I	
		121	Functional English-II
		122	Financial Accounting-II
	ARTS, S	123	Business Economics (Micro) –II
	34	124-A	Business Mathematics and Statistics –II
		124-B	Computer Concepts and Applications-II
		125-A	Organization Skill Development-II
		125-B	Banking & Finance-II
		126-A	Essentials of E-Commerce-II
		126-C	Marketing & Salesmanship –II
		126-D	Consumer Protection and Business Ethics –II
	LOYOWLEDGE IS	126-E	Business Environment & Entrepreneurship –II
		127	Additional English-II
		127	Marathi –II
		127	Hindi –II
		127	Persian –II
		127	Urdu -II
		127	Arabic –II
	B COM (SY)	201	Business Communication
	D COM (51)	202	Corporate Accounting

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		203	Business Economics (Macro)
		204	Business Management
		205	Elements of Company Law
		206-B	Banking and Finance-I
		206-Е	Cost and Works Accounting-I
	STRA	206-H	Marketing Management-I
	30	206-A	Business Administration –I
	ST THE	301	Business Regulatory Framework (Mercantile Law)
	3 1	302	Advanced Accounting.
		303-A	Indian & Global Economic Development
		303-В	International Economics
		304	Auditing & Taxation
	B COM (TY)	305-B	Banking and Finance-II
	D COM (III)	305-Е	Cost and Works Accounting-II
	<b>NHOWLEDGE</b>	305-Н	Marketing Management-II
		305-A	Business Administration –II
		306-B	Banking and Finance-III
		306-Е	Cost and Works Accounting-III
		306-Н	Marketing Management-III
		306-A	Business Administration –III
М СОМ		101	Management Accounting
	M COM (FY)	102	Strategic Management
MCO_01		103A	Advanced Accounting





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		104A	Income Tax
		107C	Advanced Cost Accounting
		108C	Costing Technique Examinations and Responsibility Accounting
		113F	Production and Operation Management
	OF ARIS S	114F	Financial Management
		201	Financial Analysis & Control
		202	Industrial Economics
	8	203A	Specialized Areas in Accounting
	2	204A	Business Tax Assessment and Planning
	8/	207C	Application of Cost Accounting
		208C Cost Control and C	Cost Control and Cost Systems
		213F	Business Ethics & Professional Values
	KNOWLEDGE IS	214F	Elements of Knowledge Management
		301	Business Finance
		302	Research Methodology for business
M COM (SY)	M COM (SY)	303	Advanced Accounting & Taxation Subject: Advanced Auditing
		304	Advanced Accounting & Taxation Subject: Specialized Auditing
		307	Advanced Cost Accounting & Cost System Subject: Cost Audit
		308	Advanced Cost Accounting & Cost system Subject: Management Audit

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		313	Business Administration Subject: Human Resource Management
		314	Business Administration Subject: Organizational Behaviour
		401	Capital Market and Financial Services
	RTS, S	402	Industrial Economic Environment
	550	403	Advance Accounting and Taxation- Subject: Recent Advances in Accounting, Taxation & Auditing.
	8 1	404	Advance Accounting and Taxation- Subject: Project work / Case Studies
		407	Advanced Cost Accounting & Cost system Subject: Recent Advances in Cost Auditing and Cost
		408	Advanced Cost Accounting & Cost system Subject: Project work / Case Studies
	KNOWLEDGE I	413	Business Administration-Subject: Recent Advances in Business Administration
		414	Business Administration-Subject: Project work / Case Studies
		101	Principles of Management
		102	Business Communication Skills
BBA	BBA (FY)	103	Business Accounting
BB_A_01		104	Business Economics-Micro
		105	Business Mathematics
		106	Business Demography

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	1	Foreign Language
	201	Business Organization and System
	202	Principles of Marketing
	203	Principles of Finance
	204	Basics of cost accounting
	205	Business Statistics
	206	Fundamentals of computers
1997 - No.	2	Foreign Language
8	301	Personality Development
	302	Business Ethics
	303	Human Resource Management and Organizational Behavior
1914	304	Management Accounting
	305	Business Economics (Macro)
BBA (SY)	306	IT in Management
	401	Production & Operations Management
	402	Industrial Relations and Labour La
	403	Business Taxation
	404	International Business
	405	Management Information System
	406	Business Exposure
	501	Supply Chain and Logistics Management
BBA (TY)	502	Entrepreneurship Development
	503	Business Law

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		504	Research Methodology
		505-A	Analysis of Financial Statements
		505-В	Sales Management
		505- C	Human Resource Management Principles and Functions
	OF ARTS. S	506-A	Long Term Finance
		506-B	Retail Management
	197	506-C	Human Resource Practices
		601	Business Planning and Project Management
		602	Event Management
		603	Management Control System
		604	E- Commerce
		605-A	Financial Services
		605-B	Advertising and Sales Promotion
		605-C	Labour Laws
	KNOWLEDGE V	606-A	Cases in Finance/ Project
		606-B	Cases in Marketing / Project
		606-C	Cases in Human Resource Management / Project
		CA 101	Business Communication
		CA 102	Principles of Management
BBA(CA) BB_AC_01	BBA(CA) -FY	CA 103	C Language
		CA 104	Database Management System
		CA 105	Statistics
		CA 106	Computer Laboratory Based on 103

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			& 104
		107	Add-On(PPA)
		CA 201	Organizational Behavior & Human Resource Management
		CA 202	Financial Accounting
		CA 203	Business Mathematics
		CA 204	Relational Database
		CA 205	Web Technology HTML-JS-CSS
	đ,	CA 206	Computer Laboratory Based on 204 & 205
		207	Add-On(Advance C)
		301	RDBMS (Relational Database Management System)
		302	Data Structure Using C
		303	Introduction to Operating System
		304	Business Mathematics
		305	Software Engineering
BBA	(CA)-SY	306	Laboratory Course – III [Based on Paper No.301 and 302]
	(CA)-51	401	Object Oriented Programming Using C++
		402	Programming in Visual Basic
		403	Computer Networking
		404	Enterprise Resource Planning and Management
		405	Human Resource Management
		406	Computer Laboratory and Practical

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#### Professor (Dr.) Aftab Anwar Shaikh

			Work ( VB + C++ )
		501	Java Programming
		502	Web Technologies
		503	Dot Net Programming
		504	Object Oriented Software Engineering
	189	505	Software Project - [Based on C++/VB Technology]
	BBA(CA)-TY	506	Laboratory Course – V [Based on Paper No. 501 & 502]
		601	Advanced Web Technologies
		602	Advanced Java
		603	Recent Trends in IT
		604	Software Testing
		605	Software Project – II [Java/ Dot net Technology]
		606	Laboratory Course – VI [Based on Paper No. 601 & 602]
	BSc Botany - FY	BO 111	Plant Life and Utilization I
		BO 112	Plant Morphology and Anatomy
BSc Botany BS_BO_01		BO 113	Practical based on BO 111 & BO 112
		BO 121	Plant Life and Utilization II
		BO 122	Principles of Plant Science
		BO 123	Practical based on BO 121 & BO 122
	BSc Botany - SY	BO-211	Taxonomy of Angiosperms and Plant Community







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#### Professor (Dr.) Aftab Anwar Shaikh

		BO-212	Plant Physiology
		BO-221	Plant Anatomy and Embryology
		BO-222	Plant Biotechnology
		BO 223	Practical's based on BO-211, 212, 221 & 222
		BO. 331	Cryptogamic Botany
	01	BO. 332	Cell and Molecular Biology
	87	BO. 333	Genetics and Evolution
		BO. 334	Spermatophyta and Palaeobotany
		BO. 335	Horticulture and Floriculture
		BO. 336	Computational Botany
		BO341	Plant Physiology and Biochemistry
		BO.342	Plant Ecology and Biodiversity
	BSc Botany - TY	BO.343	Plant Pathology
		BO.344	Medicinal and Economic Botany
	100 months	BO.345	Plant Biotechnology
	TOWLEDGE I	BO.346	Plant Breeding and Seed Technology
		BO 347	Practical's based on BO.331, BO. 332; BO.341; & BO.345:
		BO 348	Practical's based on BO.333, BO.334, BO.342, BO.346
		BO 349	Practical's based on BO.335, BO.336, BO 343 & BO.344
BSc		CH-101	Physical Chemistry
Chemistry	BSc Chemistry - FY	CH-102	Organic Chemistry
		CH-103	Chemistry Practical-I







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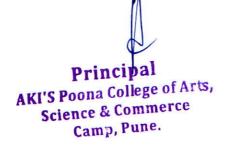
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BS_CH_02		CH-201	Inorganic Chemistry	
		CH-202	Analytical Chemistry	
		CH-203	Chemistry Practical-II	
		CH-211	Physical and Analytical Chemistry	
		CH-212	Organic and Inorganic Chemistry	
	BSc Chemistry - SY	CH-221	Physical and Analytical Chemistry	
	34	CH-222	Organic and Inorganic Chemistry	
		CH-223	Chemistry Practical Physical Chemistry Inorganic Chemistry Organic Chemistry Analytical Chemistry	
	8/244	CH-331	Physical Chemistry	
		CH-332	Inorganic Chemistry	
		CH-333	Organic Chemistry	
	8/	CH-334	Analytical Chemistry	
		CH-335	Industrial Chemistry	
		CH-336D	Environmental Chemistry	
		CH-341	Physical Chemistry	
	BSc Chemistry - TY	CH-342	Inorganic Chemistry	
		CH-343	Organic Chemistry	
		CH-344	Analytical Chemistry	
		CH-345	Industrial Chemistry	
		CH-346D	Environmental Chemistry	
		CH-347	Physical Chemistry Practical's	
		CH-348	Inorganic Chemistry Practical's	
		CH-349	Organic Chemistry Practical's	
M Sc Organic Chemistry	M Sc Organic Chemistry (FY)	CHP-110	Physical Chemistry-I (Fundamentals of Physical Chemistry)	







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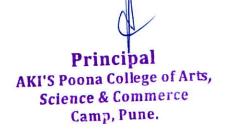
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#### Professor (Dr.) Aftab Anwar Shaikh M.Com, Ph.D (Busi. Admin.)

MS_CH_02		CHI-130	Inorganic Chemistry-I (Molecular Symmetry & Chemistry of Main Group Elements)
		CHO-150	Organic Chemistry-I (Basic Organic Chemistry)
	OF ARTS, S	CHG-190	Section-I: General Chemistry-1, Theory Course: Elective Option C Section-II: General Chemistry Practical: Elective Option –B
		CHP-107	Basic Practical Chemistry-I
	8 7	CHP-210	Physical Chemistry-II (Molecular Spectroscopy & Nuclear Chemistry)
		CHI-230	Inorganic Chemistry-II (Coordination & Bioinorganic Chemistry)
		CHO-250	Organic Chemistry-II ( Photochemistry, Pericyclic & Organic Spectroscopy)
KNOWLEDGE	KNOWLEDGE	CHG-290	Section-I: General Chemistry-II, Theory Course: Elective Option- C Section-II: General Chemistry Practical: Elective Option- B
		CHP-227	Basic Practical Chemistry-II
		CHO-350	Organic Reaction Mechanism
Ν		СНО-351	Spectroscopic Methods in Structure Determination
	M Sc. Organic Chemistry (SY)	СНО-352	Organic Stereochemistry
	A	СНО-353	Pericyclic Reactions, Photochemistry & Heterocyclic Chemistry







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cts	Natural Products	CHO-450		
2000-000 C				
inetic Organic	Advanced Synth Chemistry	CHO-451		
s & Chiron ral Drugs & Medicinal	Carbohydrates & Approach/Chira Chemistry	СНО-452		
anic Syntheses & ynthesis	Designing Organ Asymmetric Syr	CHO-453	OF NRTS, S	
reparation (Practical)	Single Stage Pre	CHO-347		
Preparation (Practical)	Double Stage Pr	CHO-447		
rial Training/Green Chemical Biology	Project/Industria Chemistry & Ch Experiments	CHO-448		
ng using Computer Imming	Problem Solving and 'C' Program	CS-111		
agement Systems	Database Manag	CS-112		
e based on CS101 and	Practical course CS102	CS-113		
Programming	Advanced 'C' Pr	CS-121		
abase Management	Relational Datab Systems	Systems	DSa Commute G : (EV)	BSc Computer Science
e based on CS201 and	CS-123 Practical course based on C CS202	BSc Computer Science (FY)	BS_CM_03	
Devices and Basic	Semiconductor I Electronic System	ELC-111		23_0.11_00
igital Electronics	Principles of Dig	ELC-112		
	Practical	ELC-113		
n System	Instrumentation S	ELC-121		
outer Organisation	Basics of Compu	ELC-122	٨	
		ELC-122		





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#### Professor (Dr.) Aftab Anwar Shaikh

M.Com, Ph.D (Busi. Admin.) PRINCIPAL

Pune - 411001. (MS), India

	ELC-123	Practical
	MTC-111	Matrix Algebra
	MTC-112	Discrete Mathematics
	MTC-113	Mathematics Practical
	MTC-121	Linear Algebra
SRUS.	MTC-122	Graph Theory
	MTC-123	Mathematics Practical
	CSST 111	Descriptive Statistics I
	CSST 112	Mathematical Statistics
	CSST 113	Statistics Practical Paper I
	CSST 121	Methods of Applied Statistics
	CSST 122	Continuous Probability Distributions and Testing Of Hypothesis
	CSST 123	Statistics Practical Paper II
	CS-211	Data structure Using C
KARWA SDOF	CS-212	Relational Database Management Systems
	CS-221	Object Oriented concepts Using C++
	CS-222	Software Engineering
BSc Computer Science (SY)	CS-223	Data structure Pract. & C++ Practical
	CS-224	Database Practical & mini Project using software engg. Techniques
	ELC-211	Digital System Hardware
	ELC- 212	Analog Systems
	ELC-221	The 8051 Architecture, Interfacing

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		& Programming
	ELC-222	Communication Principles
	ELC-203	Practical Course
	MTC-211	Applied Algebra
	MTC-212	Numerical Analysis
ARTS,	MTC-221	Computational Geometry
1.50	MTC-222	Operations Research
	MTC-223	Mathematics Practical
	CS 331	System Programming
	CS 332	Theoretical Computer Science
	CS 333	Computer Networks I
	CS 334	Internet Programming I
	CS 335	Programming in Java I
	CS 336	Object Oriented Software Engineering
1 AVI AVIA	CS 341	Operating System
BSc Computer Science (TY)	CS 342	Compiler Construction
	CS 343	Computer Networks II
	CS 344	Internet Programming II
	CS 345	Programming in Java II
	CS 346	Computer Graphics
	CS-347	Practical based on CS-331& CS-34 SEM-1,SEM-II
	CS-348	Practical based on CS-335& CS-34 SEM-1,SEM-II computer Graphics Using JAVA

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		CS-349	Practical based on CS-334 & CS- 344 SEM-1,SEM-II & Project
		CSUT111	Paradigm of Programming Language
		CSUT112	Design and Analysis of Algorithms
		CSUT113	Database Technologies
	ST 1813, 8	CSDT114B	Artificial Intelligence
		CSDP114B	Artificial Intelligence Practical
	MSc Computer Science (FY)	CSUP115	PPL & Database Technologies Practical
		CSUT121	Advanced Operating System
		CSUT122	Mobile Technologies
MSc		CSUT123	Software Project Management
Computer		CSDT124A	Project
Science MS_CM_03		CSUP125	Practical on Advanced OS & Mobile Technologies
MS_CM_03	KNOWLEDGE	CS-301	Software Metrics & Project Management
		CS-302	Mobile Computing
		CS-303	Soft Computing
		CS-304 Project	Project
	MSc Computer Science (SY)	CS-305	Web Services
		CS-306	Database and System Administrator
		CS-307	Functional Programming
		CS-308	Business Intelligence
		CS-401	Industrial Training /Institutional project

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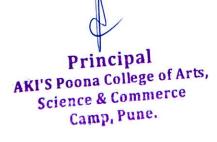
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#### Professor (Dr.) Aftab Anwar Shaikh

		CS -402	Parallel Computing
		CS-403	Embedded System
		CS-404	Software Quality Assurance
		CS-405	Modeling & Simulation
		EL-111	Basics of Applied Electronics
	AF ARTS	EL-112	Electronic Devices and Circuits
		EL-113	Electronics Lab IA
	BSc Electronic Science - FY	EL-121	Fundamentals of Digital Electronics
	3 7	EL-122	Analog and Digital device Applications
		EL-123	Electronics Lab IB
		EL211	Analog Circuit Design
		EL212	Digital Circuit Design
BSc Electronic	BSc Electronic Science - SY	EL221	Electronic Instrumentation
Science		EL222	Communication Electronics
DO DI AA		EL 203	Practical Course
BS_EL_04	EDGE N	EL-331	Advanced Digital System Design
	BSc Electronic Science - TY	EL-332	Microcontrollers
		EL-333	Analog Circuit Design and Applications of Linear IC's
		EL-334	Principles of Semiconductors Devices
		EL-335	'C' Programming
		EL-336	Fiber Optic Communication
		EL341	Advanced Communication Systems
		EL342	Microcontroller and its Applications







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		EL343	Power Electronics
		EL344	Principles of Semiconductors Devices
		EL345	Mathematical methods and Analysis using MATLAB
		EL346	Consumer Electronics
	of Laura	EL347	Practical Course- I
		EL348	Practical Course- II
		EL349	Practical Course- III (Project Course)
		ELUT111	Mathematical Methods in Electronics using c
		ELUT112	Analog Circuit Design
		ELUT113	Digital System Design
		ELDT114	Fundamentals and applications of PIC microcontrollers
MSc		ELDP114	Practical Course 1
Electronic		ELUP115	Practical Course 2
	MSc Electronic Science -(FY)	ELUT121	Applied Electromagnetics, microwaves and antennas
		ELUT122	Instrumentation and measurement techniques
		ELUT123	Foundation of semiconductor devices
		ELDT124	Fundamentals and applications of AVR
		ELUP125	Practical Course 1
		ELDP126	Practical Course 2

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		EL3UT09	Communication Electronics
		EL3DT06	Optoelectronics and Fibre Optic Communication
		ELDT01	Advanced Power Electronics
		ELDT08	Programmable Logic Controllers and Applications
	OF ARTS, S	EL3UP07	Practical Course –VII
	MSc Electronic Science -(SY)	EL3UP08	Practical Course –VIII
		EL3UP09	Practical Course –IX
		EL4UT10	Control Systems
		ELDT04	Mechatronics
		EL3DT05	Advanced Embedded Systems
		ELDT13	Computational Methods for Electronics
		EL4UP10	Practical Course –X (Project)
		GL 111 T	Fundamentals of Geology & Understanding Planet Earth
	ANOWLEDGE IS	GL 112 T	Mineralogy and Crystallography
	BSc Geology- FY	GL 113 P	Practical based on GL 111 & GL 112
BSc Geology		GL 121 T	Stratigraphy and Palaeontology
BS_GE_05		GL 122 T	Petrology & Geochemistry
		GL 123 P	Practical based on GL 121 & GL 122
		GL 211	Mineralogy
	BSc Geology- SY	GL 212	Structural Geology
		GL 221	Petrology

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	GL 222	Stratigraphy and Palaeontology
	GL 223	Practical's
	GL 331	Mineralogy
	GL 332	Igneous Petrology
	GL 333	Sedimentary Petrology
ARTS.	GL 334	Structural Geology
50	GL 335	Precambrian Stratigraphy of India
	GL 336	Applied Geology I (Geomorphology, Remote-Sensing, GIS and Field Geology)
	GL 341	Metamorphic Petrology
	GL 342	Environmental Geology
	GL 343	Economic Geology
BSc Geolog <mark>y - TY</mark>	GL 344	Geotectonics
Ruger	GL 345	Phanerozoic Stratigraphy of India & Palaeontology
A STATE OF	GL 346	Mineralogy & Petrology
	GL 347	Practical's based on Mineralogy & Petrology
	GL 348	Practical's based on Structural Geology, Economic Geology, Paleontology & Indian Stratigraphy
	GL 349	Practical's based on Applied Geology (Remote Sensing,Geohydrology, Geophysical Prospecting, Field Geology &

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#### Professor (Dr.) Aftab Anwar Shaikh

			Environmental Geology)
		MT-111	Algebra
		MT-112	Calculus – I
	B.Sc Mathematics - FY	MT-113	Mathematics Practical
	D.Se Mathematics - 1 1	MT-121	Analytical Geometry
	1.60	MT-122	Calculus – II
	and the second sec	MT-123	Mathematics Practical
	No. 1	MT 211	Multivariable Calculus I
	BSc Mathematics - SY	MT 212 (B)	Laplace Transform and Fourier Series
		MT 213	Practical based on MT 211, MT 212
B.Sc		MT 221	Linear Algebra
Mathematics BS_MA_06		MT 222 (B)	Numerical Methods and its Applications
		MT 223	Practical based on MT 221, MT 222
	BSc Mathematics - TY	MT 331	Metric Spaces
		MT 332	Real Analysis I
		MT 333	Problem Course on MT 331 and MT 332
		MT 334	Group Theory
		MT 335	Ordinary Differential Equations
		MT 336	Problem Course on MT 334 and MT 335
		MT 337A	Operations Research
		MT 337F	Number Theory

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		MT 338	Practical based on 337A and 337F
		MT 341	Complex Analysis
		MT 342	Real Analysis II
		MT 343	Problem Course on MT 341 and MT 342
	TOTS.	MT 344	Ring Theory
	0	MT 345	Partial Differential Equations
	la la companya da compa	MT <mark>346</mark>	Problem Course on MT 344 and MT 345
		MT 347D	Graph Theory
		MT 347F	Computational Geometry
		MT 348	Practical based on 347D and 347F
	BSc Physics -FY	PHY- 111	Mechanics and Properties of Matter
		PHY-112	Physics Principles and Applications
		PHY- 113	Practical Laboratory – IA
		PHY- 121	Heat and Thermodynamics
		PHY- 122	Electricity and Magnetism
BSc Physics BS_PH_07		PHY-123	Practical Laboratory – IB
	BSc Physics -SY	PHY-211	Mathematical Methods In Physics – I
		РНҮ- 212А	Electronics
		PHY-212B	Instrumentation
		PHY-221	Oscillation, Waves and Sounds
		PHY- 222	Optics
		PHY- 223	Practical Course

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M.Com, Ph.D (Busi. Admin.) PRINCIPAL

		PH- 331	Mathematical Methods In Physics – II
		PH- 332	Solid State Physics
		PH- 333	Classical Mechanics
		PH- 334	Atomic and Molecular Physics
		PH- 335	Computational Physics
		PH-336 B	Elements of Material Science
	18	PH- 341	Classical Electrodymanics
	BSc Physics TY	PH- 342	Quantum Mechanics
		PH- 343	Thermodynamics and Statistical Physics
		PH- 344	Nuclear Physics
		PH- 345	Electronics / Advance Electronics
		PH- 346 H	Physics of Nanomaterials
		PH- 347	Laboratory Course – I
		PH- 348	Laboratory Course – II
		PH- 349	Laboratory Course - III (Project)
	BSc Statistics- FY	ST 111	Descriptive Statistics I
		ST 112	Discrete Probability
		ST 113	Statistics Practical Paper I
BSc Statistics	Die Statistics-1 1	ST 121	Descriptive Statistics II
BS_ST_09		ST 122	Discrete Probability Distributions
		ST 123	Statistics Practical Paper II
	BSc Statistics- SY	ST-211	Discrete Probability Distributions, Time series and R-software
		ST 212	Continuous Probability Distribution

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#### Professor (Dr.) Aftab Anwar Shaikh

		ST 221	Statistical Methods and Use of R- Software
		ST 222	Sampling Distributions and Inference
		ST 223	Practical's
		ZO-111	Animal Diversity I
	SE BRUS,	ZO-112	Animal Ecology
	BSc Zoology - FY	ZO-113	Practical based on ZO-111 & ZO- 112
	DSC 20010gy - 1 1	ZO-121	Animal Diversity II
		ZO-122	Cell Biology
		ZO 123	Practical based on ZO-121 & ZO- 122
	BSc Zoology- SY	ZY-211	Animal Systematics and Diversity- III
BSc Zoology		ZY-212	Applied Zoology I
BS_ZO_08		ZY-221	Animal Systematics and Diversity- IV
		ZY-222	Applied Zoology II
		ZY-223	Animal Systematics and Diversity IV Applied Zoology II Practical course (Corresponding to Theory papers) Animal Systematics and Diversity-
	BSc Zoology- TY	ZY-331	Animal Systematics and Diversity-V
		ZY-332	Mammalian Histology
		ZY-333	Biological Chemistry
		ZY-334	Environmental Biology and Toxiclogy
		ZY-335	Parasitology
		ZY-336	Cell Biology

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		ZY-341	Biological Techniques
		ZY-342	Mammalian Physiology and Endocrinology
		ZY-343	Genetics and Molecular Biology
		ZY-344	Organic Evolution
	STREET, SALE	ZY-345	General Embryology
	0.00	ZY-346	Public Health and Hygiene
		ZY-347	Practical I (based on ZY-331,ZY- 332,ZY-341,ZY-342)
8 7	8 7	ZY-348	Practcal II (based on ZY-333,ZY- 334,ZY-343,ZY-344)
		ZY-349	Practical III (based on ZY-335,ZY- 336,ZY-345,ZY-346)
	MSc Zoology (FY)	ZOUT 111	Biochemistry and Biochemical Techniques
		ZOUT 112	Cell Biology and Developmental Biology
		ZOUT 113	Genetics and English in Scientific Communication
MSc Zoology		ZODT 114	Freshwater Zoology
MS_ZO_08		ZODP 114	Zoology Practical Paper-1
		ZOUP 115	Basic Zoology Lab-I
		ZOUT 121	Molecular Biology and Bioinformatics
		ZOUT 122	Endocrinology and Parasitology
		ZOUT 113	Comparative Animal Physiology and Environmental Biology.
		ZODT 124	Metabolic pathways

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#### Professor (Dr.) Aftab Anwar Shaikh

	ZODP 124	Zoology Practical Paper-2
	ZOUP 125	Basic Zoology Lab-II
	ZY 301T	Animal Physiology I (special)
	ZY 302T	Immunology
	ZY 303T	Aquaculture
	ZY 304T	Insect Physiology and Biochemistry
	ZY 306T	Parasitology
	ZY 309T	Toxicology I
	ZY 301P	Practical's in Animal Physiology I (special)
	ZY 302P	Practical's in Immunology
	ZY 303P	Practical's in Aquaculture
MSc Zoology-(SY)	ZY 304P	Practical's in Insect Physiology and Biochemistry
MSC 20010gy-(51)	ZY 306P	Practical's in Parasitology
	ZY 308P	Research Project (students opted for extra credit)
	ZY 401T	Animal Physiology II(special)
	ZY 402T	Economic Zoology
	ZY 403T	Mammalian Reproductive Physiology
	ZY 405T	Pollution Biology
	ZY 406T	Apiculture
	ZY 408T	Toxicology II
	ZY 401 P	Practical Animal Physiology II
	ZY 402 P	Practical Economic Zoology

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#### Professor (Dr.) Aftab Anwar Shaikh

M.Com, Ph.D (Busi. Admin.) PRINCIPAL

		ZY 403 P	Practical Mammalian reproductive physiology
		ZY405 P	Practical Pollution biology
		ZY406 P	Practical Apiculture
		ZY308 P	Research Project
	All M.Sc (M.Sc. Chemistry, Electronic Science & Computer Science)	33191	Human rights-I
		33192	Information Security-I
M.Sc. Chemistry, Electronic Science & Computer Science MSC_ALL		33291	Human rights-II
		33292	Information Security-II
		33392	Information Security-III
		33394	Skill Development-I
		33492	Information Security-IV
		33494	Skill Development-II
		89992	Environmental awareness course
		101	Physical education and sports

#### NOWLEDGE IS POWE

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