



DR. BHIMRAO AMBEDKAR UNIVERSITY, AGRA
(FORMERLY AGRA UNIVERSITY)

SESSION - 2015-16

INFORMATION
&
APPLICATION FORM

(Web Site: www.dbrau.ac.in)

(<http://dbrauaaems.in/>)

CONTENTS

(विषय सूची)

1. General Introduction

(सामान्य परिचय)

2. Institutes and Departments of the University

(विश्वविद्यालय के संस्थान एवं विभाग)

3. Courses of University

(विश्वविद्यालय के पाठ्यक्रम)

4. Important Informations

(महत्वपूर्ण सूचनाएं)

5. Reservation Rule

(आरक्षण नियम)

About The University

Established in 1927 as Agra University and renamed in 1996 as Dr. Bhim Rao Ambedkar University is one of the oldest Universities of India. It was established with the pioneering efforts of great educationists and social leaders like Col. A. W. Davis (who was its first Vice-Chancellor) Prof. Gokul Chand Ji, Devan Chand, Rai Bahadur Anand Swarup and Dr. L.P. Mathur. Initially the University functioned from Bharatpur House and finally its main office was established in its present building at Paliwal Park (then Hewlett Park) in 1934.

It was the fourteenth University of India and its jurisdiction was spread in United Provinces, Madhya Bharat and Rajputana. With development of higher education, 13 new Universities emerged out of this University. At present there are more than 800 regular and self-financed colleges affiliated to it. Prestigious and premier colleges of India like Agra College, RBS College, St. John's College, S.N. Medical College are part of this University, which have produced a number of good educationists, doctors, engineers, scientists, politicians, artists, social leaders, administrators, since its very inception.

Through originally affiliating in nature, the University has, over the years, developed a sizable residential wing consisting of the following Institute and independent Teaching Departments:

1. Kanhaiya Lal Munshi Institute of Hindi Studies & Linguistics (1953)
2. Institute of Social Science (1953)
3. Institute of Home Science (1958)
4. Institute of Basic Science (1984)
5. Department of Library Science and Manuscriptology (1984)
6. Department of History (1985)
7. Department of Adult and Continuing Education & Extension (1989)
8. Department of Physical Education (1989)
9. Department of Contemporary Social Studies & Law : Dr. B.R. Ambedkar Chair (1993)
10. Seth Padam Chand Jain Institute of Commerce, Business Management & Economics (1993)
11. Dau Dayal Institute of Vocational Education (1994)
12. University Computer Centre (1994)
13. School of Life Science (1997)
14. Institute of Engineering and Technology (1998)
15. Deen Dayal Upadhyaya Institute of Rural Development (1998)
16. Lalit Kala Sansthan (2000)
17. Institute of Computer and Information Science (2004)
18. Institute of Tourism and Hotel Management (2004)

For the last 83 years the University is actively engaged in the spread of knowledge and has established itself as center of excellence in higher education. The thrust is on good quality education and intense, intimate and interactive academic environment so as to produce quality citizens for the country. The University has established a good central library, a computer center with Internet facilities and other good infrastructural facilities. It has interaction with national laboratories, professional institutes of repute. In view of its popularity, a large number of foreign

students are studying at Dr. B.R. Ambedkar University.

The University is bestowed with the dynamic and reformist stewardship of its Vice-Chancellor, ***Prof. Mohd. Muzammil*** who carries with him vast experience in the field of administration, teaching and research. He has visited a large number of countries and has a wide perception of educational scenario throughout the globe. He has already taken several steps towards academic and administrative uplift of the University.

With the cooperation of all the University is bound to scale new heights in the fields of higher education.

INSTITUTES AND DEPARTMENTS OF THE UNIVERSITY

S. No.	Name of the Institute / Department	Telephone No.
1.	K. M. Institute of Hindi & Linguistics (Paliwal Park)	2855784
	(i) Department of Indian Languages (Hindi etc.)	
	(ii) Department of Linguistics	
	(iii) Department of Foreign Languages	
	(iv) Department of Oriental Classical Languages (Sanskrit etc.)	
	(v) Department of Mass Communication and Journalism	
2.	Institute of Social Sciences (Paliwal Park)	2853983
	(i) Department of Sociology	
	(ii) Department of Social Work	
	(iii) Department of Statistics	
3.	Institute of Home Science (Khandari Campus)	2854465
	(i) Department of Food and Nutrition (Home Management)	
	(ii) Department of Family Resource Management	
	(iii) Department of Clothing and Textile	
	(iv) Department of Home Science Extension Education	
4.	Institute of Basic Sciences (Khandari Campus)	
	(i) Department of Physics	2526548
	(ii) Department of Chemistry	2527684
	(iii) Department of Forensic Science	2527684
	(iv) Department of Mathematics	2522420
5.	Dau Dayal Institute of Vocational Education (Khandari Campus)	2850587
	(i) Department of Instrumentation	
	(ii) Department of Optical Instrumentation	
	(iii) Department of Advertising, Sales Promotion and Sales Management	
	(iv) Department of Computer Applications	
6.	School of Life Sciences (Khandari Campus)	
	(i). Department of Zoology	
	(ii). Department of Botany	
	(iii). Department of Biotechnology	
	(iv). Department of Biochemistry	
	(v). Department of Microbiology	
	(vi). Department of Environmental Studies	
	(vii). Department of Environmental Toxicology	
	(viii). Department of Forestry	
8.	Department of History (Paliwal Park)	2524841
9.	Department of Library and Information Science (Chhalesor Campus)	2602170
10.	Seth Padam Chand Jain Institute of Commerce, Business Management & Economics, (Khandari, Campus)	2522150

11.	Department of Physical Education (Chhalesar Campus)	
12.	Department of Contemporary Social Studies and Law (Dr. B. R. Ambedkar Chair, Paliwal Park Campus)	
13.	Deen Dayal Upadhyaya Institute of Rural Development (Paliwal Park)	
14.	Department of Adult and Continuing Education and Extension (Paliwal Park)	
15.	Institute of Tourism and Hotel Management (Khandari Campus)	2521881
16.	Lalit Kala Sansthan (Institute of Fine Arts) (Civil Lines, Campus)	
17.	Institute of Engineering & Technology (Khandari Campus)	2522622
18.	University Computer Centre, (Khandari Campus)	6540283

Important Instruction for Candidates

Admission 2015–16

1. *Candidates may note that any discrepancy regarding fee or eligibility criteria or any other due to printing or any other error will not provide any right to the candidate for admission to the particular course. The candidate will be required to pay the actual fee applicable for the course at the time of admission and the University will not be responsible for it in any case whatsoever. Candidates who have passed the qualifying examination before 2013 are not eligible for admission in any full time degree course.*
2. The applicant should ensure that he/she has correctly filled up the application form and the admit card and that he/she fulfils the eligibility criteria of the course concerned. Admission shall be cancelled if the candidate is not found eligible even if he/she has appeared in the entrance test and declared successful or admitted.
3. Reservation rule for admission in all courses shall be applicable as per Government rules.
4. A candidate is required to fill-up separate application form for each course. Incomplete forms are liable to be rejected.
5. The question paper for the test wherever applicable will be of objective type. The admission to such courses will be made on the basis of the merit of the entrance test conducted by the University.
6. The University reserves the right not to hold the entrance examination test or cancel and test for any specific course without any prior notice. Candidates found using unfair means during admission test shall lose their candidature and shall be dealt with as per rules.
7. The University reserves the right not to start any self- financing course if sufficient number of applications are not received. In such cases the fee of the applicant shall be refunded.
8. The fee may be changed at any times as per the guidelines or norms of the Hon'ble Court/Government/University without any prior information to the candidate and the same fee shall be binding on the candidate.
9. The fee of the candidate once admitted shall not be refunded. However any

candidate requiring the refund should apply for cancellation of admission within a period of 10 days from the date of his/her admission and in such cases only 75% fee shall be refunded. The candidate in such a case should not have attended any classes.

- 10.* After being admitted to any course, if the candidate fails to submit his/her eligibility qualification certificate within the stipulated time his/her admission will be liable to be cancelled and the candidate shall be solely responsible for the same.
- 11.* If the candidate is admitted in one course and is admitted in another course too of the University. 75% fee deposited by him/her can be adjusted in the later course in which he/she is admitted to.
- 12.* Fee will not be deposited in cash, but is to be paid to the University in the form of a Demand Draft in Favour of "**Finance Officer, Dr. B.R. Ambedkar University, payable at Agra.**
- 13.* The candidates who have appeared in the qualifying examination, but the result is awaited, may also apply. However, they have to submit the completion certificate within the stipulated time.

आरक्षण—नियम

विश्वविद्यालय में उपलब्ध प्रत्येक पाठ्यक्रम की कुल सीटों पर वर्टिकल आरक्षण निम्नवत् हैं :

1. अनुसूचित जाति के अभ्यर्थी	21%
2. अनुसूचित जन जाति के अभ्यर्थी	02%
3. अन्य पिछड़े वर्ग के अभ्यर्थी	27%

विभिन्न श्रेणी के अभ्यर्थी के लिए हॉरिजेंटल आरक्षण की व्यवस्था निम्नवत् रखी जायेगी

1. स्वतंत्रता संग्राम सेनानियों के आश्रितों के लिए	02%
2 युद्ध के शहीद/अपंग सैनिकों के पुत्र/पुत्री के लिए	02%
3. विकलांग अभ्यर्थियों के लिए	03%
4. महिलाओं अभ्यर्थियों के लिए	20%

उपर्युक्त हॉरिजेंटल आरक्षण के अधीन आने वाले अभ्यर्थियों से यह भी अपेक्षित है कि वे अपनी अरक्षित श्रेणी से संबंधित प्रमाण पत्र के साथ-साथ यदि पिछड़े वर्गों, अनुसूचित जाति अथवा अनुसूचित जनजाति के हैं तो इससे संबंधित विवरण पुस्तिका में निर्धारित प्रमाण पत्र भी अवश्य भरें। उपर्युक्त हॉरिजेंटल आरक्षण (कंपार्टमेंटलाइज्ड) होगा। उपर्युक्त प्रत्येक श्रेणी में मेरिट के आधार पर चयनित अभ्यर्थियों को अनुसूचित जाति/ अनुसूचित जनजाति/ अन्य पिछड़े वर्ग/सामान्य श्रेणियों में से उस श्रेणी में रखा जाएगा जिससे वह संबंधित है। उदाहरणार्थ यदि स्वतंत्रता संग्राम सेनानी के आश्रितों का प्रदत्त आरक्षण के अंतर्गत चयनित कोई अभ्यर्थी अनुसूचित जाति का है, तो उसे अनुसूचित जाति के लिए आरक्षित सीटों में समायोजित किया जाएगा। इसी प्रकार यदि विकलांग अभ्यर्थियों को प्रदत्त आरक्षण के अंतर्गत कोई अभ्यर्थी अन्य पिछड़े वर्ग या सामान्य श्रेणी के लिए आरक्षित सीटों में समायोजित किया जायगा। विकलांग अभ्यर्थियों की विकलांगता इस सीमा तक नहीं होगी कि चिकित्सा शिक्षा में बाधक हो। इसी प्रकार यदि स्वतंत्रता संग्राम सेनानियों के आश्रितों/युद्ध में अपंग /शहीद सैनिक के पुत्र/पुत्री/विकलांग/महिला अभ्यर्थी इन उपश्रेणी की अनारक्षित (ओपेन मेरिट) की है, तो उसे अनारक्षित (ओपेन मेरिट) में रखा जाएगा। जो अभ्यर्थी इन उपश्रेणियों में आवेदन करेंगे, वह उसी उपश्रेणी में आरक्षित सीट के विरुद्ध समायोजित किए जाएंगे।

उपर्युक्त आरक्षित श्रेणियों की सीटों के संबंध में निम्नलिखित बातों का पालन किया जाएगा।

(क) अनुसूचित जनजाति के अर्ह अभ्यर्थी पूरी संख्या में उपलब्ध न होने पर इन आरक्षित सीटों को अनुसूचित जाति के अभ्यर्थियों के द्वारा भरा जाएगा।

(ख) प्रत्येक श्रेणी के अभ्यर्थी के अपने आवेदन पत्रों में निर्धारित स्थान पर संगत श्रेणी तथा उपश्रेणी स्पष्ट रूप से इंगित करनी होगी। किसी अस्पष्टता अथवा प्रमाण पत्रों के

निर्धारित प्रारूप में न होने की स्थिति में उसे सामान्य श्रेणी का अभ्यर्थी माना जाएगा तथा वह किसी भी दशा में अवसर पर भी परिवर्तित नहीं किया जा सकेगा।

(ग) विभिन्न श्रेणियों की सीटों के समक्ष अभ्यर्थन करने वाले जितने भी अभ्यर्थी सामान्य सीटों के अभ्यर्थियों के समकक्ष मेरिट में स्थान प्राप्त कर लेते हैं तो उन सभी को सामान्य सीटों के समक्ष प्रवेशित माना जाएगा, चाहे उनकी संख्या उनके लिए अरक्षित सीटों से अधिक क्यों न हो जाये। किंतु ऐसे अभ्यर्थियों के लिए 3ग(V) के प्रावधान लागू होंगे। अभ्यर्थी जो सामान्य श्रेणी के अभ्यर्थियों के समकक्ष मेरिट के आधार पर प्रवेश पायेंगे उन्हें उपर्युक्त आरक्षित सीटों की गणना में शामिल नहीं किया जाएगा।

(घ) अन्य पिछड़े वर्ग की श्रेणी के अंतर्गत के इच्छुक अभ्यर्थियों को निर्धारित प्रारूप पर जाति का तथा क्रीमीलेयर में न जाने का प्रमाण पत्र प्रस्तुत करना अनिवार्य है। यदि ऐसे अन्य पिछड़ी जाति के अंतर्गत आरक्षण के लाभ के इच्छुक अभ्यर्थी निर्धारित प्रारूप पर प्रमाण पत्र प्रस्तुत नहीं करते हैं, तो उन्हें सामान्य श्रेणी का अभ्यर्थी माना जाएगा।

(ङ) अनुसूचित जाति, अनुसूचित जनजाति, अन्य पिछड़ावर्ग, स्वतंत्रता संग्राम सेनानियों के वास्तविक आश्रित और युद्ध में शहीद/युद्ध में अपंग सैनिकों अभ्यर्थी होने के संबंध में अपेक्षित प्रमाण पत्र का वह प्रारूप मान्य होगा जो शासन द्वारा निर्धारित है। समस्त मूल प्रमाण पत्र प्रवेश के समय संबंधित विभागाध्यक्ष के समक्ष प्रस्तुत करने हैं।

टिप्पणी : यदि दी गयी सूचियों में वर्णित जातियों के अतिरिक्त कोई और जाति भी अनुसूचित जाति, अनुसूचित जन जाति एवं अन्य पिछड़े वर्ग के अंतर्गत शासन द्वारा मान्यता प्राप्त है परंतु इन सूचियों में नहीं दर्शायी गयी है तो इसे भी आरक्षण का लाभ अनुमन्य होगा।

क० मु० हिन्दी तथा भाषाविज्ञान विद्यापीठ
K. M. Institute of Hindi & Linguistics

The Institute is having following departments:-

- (i) Department of Indian Languages (Hindi etc.);
- (ii) Department of Linguistics;
- (iii) Department of Foreign Languages;
- (iv) Department of Oriental Classical; Languages (Sanskrit etc.)
- (v) Department of Mass Communication and Journalism;
- (vi) Soor Peeth;

प्रवेश अर्हता :

एम.फिल.—परास्नातक स्तर पर 55% एम.ए., डिप्लोमा – स्नातक उपाधि, 45% अंक
परास्नातकोत्तर डिप्लोमा—स्नातकोत्तर उपाधि, न्यूनतम 45% अंक सर्टीफिकेट कोर्स—
इण्टरमीडिएट

डिप्लोमा (विदेशी भाषा) – सम्बद्ध भाषा में सर्टीफिकेट

विशेष :

1. सभी पाठ्यक्रमों में प्रवेश लिखित प्रवेश परीक्षा अथवा शैक्षिक योग्यता (Merit) के आधार पर होंगे। यह विश्वविद्यालय/ विद्यापीठ द्वारा तय होगा।
2. पाठ्यक्रम प्रवेशार्थियों की अपेक्षित संख्या तथा उपलब्ध अध्यापन सुविधाओं के आधार पर चलाये जा सकेंगे।
3. एम.एम.सी. तथा एम. जे. में प्रवेश हेतु सम्बंधित पाठ्यक्रम में परास्नातकोत्तर/स्नातकोत्तर डिप्लोमा 50% अंको के साथ उत्तीर्ण हो। विद्यापीठ में संचालित कार्यक्रम निम्नवत है :

पाठ्यक्रम

एम. फिल. (हिन्दी भाषा एवं साहित्य) एम. फिल.
(संस्कृत)
एम. फिल (भाषा विज्ञान)
एम.ए. (भाषा विज्ञान) एम.ए. (संस्कृत)

एम.ए. (हिन्दी भाषा एवं
साहित्य) स्नातकोत्तर डिप्लोमा
(जन संचार) डिप्लोमा
(रूसी/जर्मन/फ्रेंच)
सर्टीफिकेट (रूसी
/फ्रेंच/जर्मन)

M.Phil. (Hindi)

Course Structure :

Semester : I

MP01	Research Methodology
MP02	Literary Theories & Discourse
MP03	Option – A Textual Criticism
	Option – B Folklore
	Option – C Media Writing

Semester – II

MP04	Research Methodology
MP05	Information Technology & Computer
MP06	Research Paper Writing
MP07	Dissertation

M.A (Hindi)

Course Structure :

Semester – I

MA-HIN-01(A)	Hindi Language & Its Development – I
MA-HIN02 (A)	History of Hindi Literature – I
MA-HIN03 (A)	Hindi Prose- Fiction
MA-HIN04 (A)	Poetics & Criticism-I
MA-HIN05 (A)	Functional Hindi

Semester – II

MA-HIN01 (B)	Hindi Language & Its Development –II
MA-HIN02 (B)	History of Hindi Literature – II
MA-HIN03 (B)	Hindi Prose, Drama, Essay & Other
MA-HIN04 (B)	Poetics & Criticism-II
MA-HIN05 (B)	Hindi Journalism

Semester – III

MA-HIN06 (A)	Medieval Poetry-I (Kabir, Sur, Tulsi)
MA-HIN07 (A)	Modern Poetry-I (Bhartendu to Chhayavad)
MA-HIN08 (A)	Hindi Prose- I fiction
MA-HIN09 (A)	Optional Paper – Detailed Study Pt-I
MA-HIN10 (A)	Viva

Semester – IV

MA-HIN06 (B)	Medieval Poetry-II (Keshav, Bihari, Bhushan, Ghanand)
MA-HIN07 (B)	Modern Hindi Poetry-II (Pragativad, Prayagvad, Samkalin Kavya)
MA-HIN08 (B)	Hindi Prose- I (drama, Essay & other forms)
MA-HIN09 (B)	Optional Paper – Detailed Study Pt-II

MA-HIN10 (B) Dissertation

M.Phil. Sanskrit

No. of Seat: 30

Duration: 1 Yrs

Eligibility : **M.A. Sanskrit** with 55% marks

Admission Basis : Written Entrance Test/Academic record .

Course Structure :

Semester – I

MP-S01	Research Methodology
MP-S02	Drama, Poetry and Philosophy- I
MP-S03	VED-I
MP-S04	Grammar

Semester -II

MP-S05	Drama, Poetry and Philosophy- II
MP-S05	Research Paper Writing +Viva
MP-S06	Dissertation+Viva

M.A. Sanskrit

No. of Seat : **30**

Duration: 2 Yrs

Eligibility : **Graduation Sanskrit** with 50% marks

Admission Basis : Written Entrance Test/Academic record .

Course Structure :

Semester – I

MP-S01	Vaidic Literature – I
MP-S02	Grammar & Linguistics-I
MP-S03	Philosophy-I
MP-S04	Indian Poetics & Aesthetics-I
MP-S05	Poetry-I

Semester – II

MP-S06	Vaidic Literature – II
MP-S07	Grammar & Linguistics-II
MP-S08	Philosophy-II
MP-S09	Indian Poetics & Aesthetics-II
MP-S010	Language, Culture & History

Semester – III

MP-S011	New Grammar Process & Philosophy-I
MP-S012	Sanskrit Poetry & Modern World-I
MP-S013	Sanskrit Classics
MP-S014	Pali: Language & Literature-I

Semester – IV

MP-S015	New Grammar Process & Philosophy-II
MP-S016	Sanskrit Poetry & Modern World-II
MP-S017	Sanskrit Classics-II
MP-S018	Pali: Language & Literature-II
MP-S019	Viva
MP-S020	Dissertation

Department of Mass Communication and Journalism

PGD-MC

No. of Seats : 20

Duration: One Year : 2

Semester

Eligibility : Post Graduation with minimum 45% marks.

Admission : On the basis of written Test/Academic record.

Course Structure:

Semester – I

Divin. Of Marks = Total =50 (Each paper in each semester) GT=500]

Paper

MMC-/PGD-MC 01 Introdution to Communcation.

MMC-/PGD-MC 02 Media and Society

Semester – II

MMC-/PGD-MC 03 History & Development of Prin Media MMC-/PGD-MC 04 History & Development of Radio & TV MMC-/PGD-MC 05 (A) Viva- 50 Marks

(B) Dissertation – 50 Marks

M.Phil Linguistics

No. of Seats : 20
Semester)

Duration : 1 Year (2

Eligibility : Post-graduation with 55% Marks

Admission Basis : Written Entrance Test and Viva-voce

Semester – I

MP-L01 : Research Methodology

MP-L02 : Readings in Linguistics

MP-L03 : Writing Grammar

MP-L04 : Seminar

Semester – II

MP-L05 : Research Paper Writing in Linguistics

MP-L06 : Computational Tools for Dissertation Writing

MP-L07 :Dissertation

MP-L08 : Viva-voce

DEPARTMENT OF LINGUISTICS

M.A. Linguistics

No. of Seat : 30
Semester)

Duration: 2 Years (4

Eligibility : Graduation with 45% marks

Admission Basis : Written Entrance Test/Academic record .

Course Structure :

First Semester

MA-LING-01 Introduction to Linguistics

MA-LING-02 Phonetics & Phonology

MA-LING-03 Morphology

MA-LING-04 Syntax

MA-LING-05 History of Language & Linguistics

Second Semester

MA-LING-06 Field Methods & Dialectology

MA-LING-07	Principles of Historical & Comparative Linguistics
MA-LING-08	Semantics
MA-LING-09	Functional Hindi
MA-LING-10	Sociolinguistics

Third Semester

MA-LING-11	Transformational Grammar
MA-LING-12	Case Grammar
MA-LING-13	Translation
MA-LING-14	Optional

Fourth Semester

MA-LING-15	Contrastive Linguistics
MA-LING-16	Current Issues in Grammatical
MA-LING-18	Stylistics
MA-LING-19	Optional : One from the following-
	A- Generative Phonology
	B- Instrumental Phonetics
	C- Computational Linguistics
	A- Viva- 50 Marks
	B- Disseratation – 50 Marks

DEPARTMENT OF FOREIGN LANGUAGES Certificate of Proficiency in Language (CPL) (Russian/French/German)

No. of Seats : 50 each
: 1 Year

Duration

Eligibility : Intermediate or equivalent examination

Admission : On the basis of written test/Academic record

Course Structure:

First Semester-

Division of Marks in each paper – Mid-Sem. 10 Marks, End Sem. 40 Marks : Total = 50 Marks [Total of I Semester = 150 Marks)

C011 Paper- I	Text & Grammar- I
C012 Paper- II	Comprehension, Composition & Translation- I

C013 Paper- III Introduction to Culture & Civilization

Second Semester-

C021 Paper- I Text & Grammar- II

C022 Paper- II Comprehension, Composition & Translation- II

C023 Paper- III Oral Expression (Viva Voce)

Diploma in Higher Proficiency in Language (DPL) DIPLOMA (RUSSIAN /GERMAN/FRENCH)

**No. of Seats : 30
Semester)**

Duration : 1 Year (2

Eligibility : One year certificate course in the concerned language of equivalent examination

Admission : On the basis of written test/Academic record

Course Structure :

First Semester-

Division of Marks in each paper – Mid. Sem. 10 Marks, End Sem. 40 Marks, Total = 50 Marks

D011 Paper- I Text & Grammar- I

D012 Paper- II Comprehension, Composition & Translation – I

D013 Paper- III Culture & Civilization

Second Semester

D021 Paper- I Text & Grammar- II

D022 Paper- II Comprehension, Composition & Translation-II

D023 Paper-III Oral Expression (Viva-Voce)

INSTITUTE OF SOCIAL SCIENCES

The Institute consists of three departments with the following courses:

Department of Sociology :

1. M.A. Sociology (Alternative Course)

2. M.Phil. (Sociology)

Department of Social Work :

1. M.S.W. (Master of Social Work)

Department of Statistics :

1. M. Stat. (Master of Statistics)
2. M.Phil. (Statistics)

DEPARTMENT OF SOCIOLOGY
M. Phil. (Sociology)

No. of Seat : 15
Semesters)

Duration: 1 Year (2

Eligibility : The applicant must have secured at least 55% marks at the Master's Degree in Sociology.

Admission : Admission shall be made on the basis of merit/written test. Up to 5 seats may be given by direct admission to **permanent teachers of the affiliated colleges of the University** (On the basis of their length of service in substantive capacity).

Course Structure :

First Semester

- Course1 : Advanced Sociological Research
Course2 : Recent Sociological Perspectives

Second Semester :

- Course3 : Perspectives on Indian Society
Course4 : Sociological Classics
Course5 : Dissertation

M.A. (Sociology)

No. of Seat : 30
semesters)

Duration: 2 Years (4

Eligibility : The applicant must have secured at least 50% marks at the Three year Bachelor's Degree Examination.

Admission : Admission will be decided on the basis of merit.

Course Structure :

First Semester

- Course1 :Introductory Sociology
- Course2 :Sociology of Development
- Course3 :Methods of Social Research including statistics

Second Semester

- Course4 :Sociological Thoughts of Marx, Weber, Durkheim
- Course5 :Indian Sociology
- Course6 :Rural Sociology

Third Semester

- Course7 :Contemporary Sociological Theories
- Course8 :Political Sociology
- Course9 :Social Anthropology

Fourth Semester

- Course10 :Sociology of Crime
- Course11 :Industrial Sociology
- Course12 :Empirical Research Report

DEPARTMENT OF SOCIAL WORK

Master of Social Work (M.S.W.)

No. of Seats : 45
semesters)

Duration : 2 Years (4

Eligibility : The applicant must have secured at least 50% marks in the Bachelor's Degree or Masters Degree a 3 year Law course.

Admission : All admissions to M.S.W. shall be made strictly in order of merit, prepared on the basis of admission test (100 marks).The admission test will consist of following :

- (i) Comprehension in English Language **25 marks**
- (ii) Arithmetical and Reasoning Ability **25 marks**
- (iii) Awareness of social, economic, cultural and political trends in India **50 marks**

Course Structure :

First Semester

- Course 1 : Man and Society
- Course 2 : Psychology for Social workers
- Course 3 : Theory and Practice of Social work
- Course 4 : Field Work 1 – (Concurrent Field work : Observational Visits)

Second Semester

- Course 5 : Social Disorganization
Course 6 : Social Case work & Social Group Work
Course 7 : Social Research
Course 8 : Field Work – II (Concurrent Field Work : Method Oriented)

Third Semester

- Course 9 : Social Policy and Administration
Course 10 : Statistics and Computer Application
Course 11 : (a) Agrarian Social Structure and Legislations or
(b) Indian Labour Problems and Legislations, or
(c) Indian Medical and Psychiatric Problems & Legislations
(d) Correctional Social Work
Course 12 : Field Work – III (Concurrent Field Work: Placement in rural, labour, medical, psychiatric field for administrative and specialized experiences of the field)

Note : If a Student opts to offer course 11 (a) he will have to offer course 14 (a); similarly choices will be restricted for other optional course e.g. 11(b) and 14(b), 11(c) and 14 (d).

Fourth Semester

- Course 13 : Community Organization and Social Action
Course 14 : (a) Rural Community Organization and Planning, or
(b) Industrial Relations and Personal Management, or
(c) Social Work in medical and Psychiatric Settings, or
(d) Social Work in Correctional Settings.
Course 15 : Project work and viva-voce Exam.
Course 16 : Field Work –IV (Block Placement : Internship in an assigned agency in the summer vacation for 90 days)
Course 17 : Human Resource Management

Field Work – III and IV

Field work in third Semester aims at giving a greater insight to the students about agency/agencies and providing them an opportunity of actual work experience and exposure.

However, field work of the fourth Semester is in the nature of Block Placement/Internship by placing the students in an agency working in the fields of their specialization for a period of 12 weeks (90 days) after fourth semester examination.

Project Work:

It is spread over the second, third and fourth semester in a manner as follows:

Second Semester:

Formulation of the problem and all the preparatory work

Third Semester:

Collection of data and their Analysis

Fourth Semester:

Report Writing: The students are require to submit the report before the examination of fourth semester.

DEPARTMENT OF STATISTICS
M.Phil (Statistics)

No. of Seats : 15
Semesters)

Duration : 1 Year (2

Eligibility : The applicant must have secured Master's Degree in Statistics with at least 55% marks.

Admission : Admission to M.Phil. will be made on the basis of merit/admission test.

Course Structure :

First Semester

Course 1 : Probability Theory and Inference

Course 2 : Optional

Second Semester

Course 3 : Optional

Course 4 : Optional

Dissertation (spread over both semesters)

Master of Statistics (M.Stat.)

No. of Seats : 25
Semesters)

Duration : 2 Years (4

Eligibility : A Bachelor's Degree with Mathematics or Statistics as one of the subjects with atleast 45% marks or Master's Degree in Mathematics with at least 45% marks.

Admission : Admission to M. Stat. will be made on the basis of merit/interview.

Course Structure :

First Semester

Course 1 : Computer Science

Course 2 : Real Analysis and Matrix Algebra

Course 3 : Sampling Theory

Practical – 1 : Based on above courses

Second Semester

- Course 4 : Estimation Theory
Course 5 : Linear Estimation and Design of Experiments
Course 6 : Probability and Distribution Theory
Practical – II : Based on course – 5

Third Semester

- Course 7 : Testing and Hypothesis and Non-Parametric Tests
Course 8 : Multi-Variate Analysis and Sequential Methods
Course 9 : Optional - 1
Practical – II : Based on course – 7-8

Fourth Semester

- Course 10 : Probability Limits Theorems and Stochastic Processes
Course 11 : Computer Science - II
Course 12 : Optional - II
Practical – IV : Based on Course-11 and based on the analysis of contingency

Project Work

- tables.
: On socio-economics studies, Biostatistics,
Environment, Comprehensive Demography, Banking, Insurance,
Business,

- Viva- voce** : Based on all theory papers

INSTITUTE OF HOME SCIENCE
BACHELOR OF HOME SCIENCE (B.H.Sc.)

No. of Seats: 120

Duration: 3 Years (6

Semesters)

Eligibility: Candidates who have passed (with at least 45% marks) Intermediate examination in Arts or Science group A & B only from recognized board.

Admission: On the basis of academic merit only

Course Structure:

Semester I

- Course I Applied Mathematics
- Course II Sociology
- Course III Chemistry
- Course IV General English
- Course V Economics
- Course VI Psychology

Semester II

- Course VII Applied Chemistry
- Course VIII Physiology
- Course IX Family Finance Management (FRM-I)
- Course X Horticulture and Gardening
- Course XI Marriage and Family (HDFS-I)
- Course XII Household Physics

Semester III

- Course XIII Computer Application
- Course XIV Consumer Education (FRM-II)
- Course XV Food Science (FN-I)
- Course XVI Human Development-I (HDFS-II)
- Course XVII Extension Education and Community Development (ECM-I)
- Course XVIII Textile Science and Analysis (TAD-I)

Semester IV

- Course XIX Biochemistry
- Course XX Early Childhood Education (HDFS-III)
- Course XXI Human Nutrition & Dietetics (FN-II)
- Course XXII Concepts and Principles of Home Management (FRM-III)
- Course XXIII Wet Processing of Textiles (TAD-II)

Course XXVI Teaching Methods and Media (ECM-II)

Semester V

Course XXV Human Development (HDFS-IV)

Course XXVI Diet Therapy (FN-III)

Course XXVII Family Housing (FRM-IV)

Course XXVIII Textile Design and Garment Construction (TAD-III)

Course XXIX Programme Planning for Family Development (ECM-III)

Course XXX Health and Microbiology

Semester VI

Course XXXI Children with Special Needs (HDFS-V)

Course XXXII Applied and Community Nutrition (FN-IV)

Course XXXIII Interior Designing and Home Furnishing (FRM-V)

Course XXXIV Textile Design and Apparel Construction (TAD-IV)

Course XXXV Communication Process & Adoption (ECM-IV)

Course XXXVI Environmental Studies

MASTER OF HOME SCIENCE (GENERAL)

M.H.Sc. (Gen)

No. of Seats : 25
Semesters)

Duration : 2 Years (4

Eligibility : A candidate who has passed (with at least 50% marks) Bachelor of Home Science (T.D.C.) Examination of the University or an examination of any other University as equivalent there to may be admitted to first Semester of Master of Home Science.

20 percent seats at postgraduate level are allotted to the candidate belonging to other Universities (Not more than one student from a university). Admission of the outside student is made on reciprocal recognition of the degree.

Admission: On the basis of academic merit/written test. A student has to secure minimum pass marks (33%) in the test to qualify for the admission.

Course Structure

PAPER/COURSE

First Semester :

Paper I ****Fundamentals of Computers and Introduction of Information Technology-I

Paper II **Nutritional Biochemistry I

Paper III Advanced Apparel Designing and Production [TAD-V]

Paper IV **** Advanced Physiology
Paper V *****Research Methodology I

Second Semester

Paper VI Fashion Marketing Entrepreneurship and Community Service [TAD-VI]
Paper VII Consumerism and Consumer Movement [FRM-VI]
Paper VIII ****Advanced Human Development (HDFS VII)
Paper IX Ergonomics [FRM-VII]
Paper X *****Fundamentals of Computers and Introduction to Information Technology-II

Third Semester

Paper XI *Methods of Studying Human Development.(HDFS IX)
Paper XII Time and Energy Management (FRM-VIII)
Paper XIII ***Institutional Management (FN-VIII)
Paper XIV ***Indian Socio-economics Environment : Development Perspectives

Fourth Semester

Paper XV **Advanced Food Science [FN-VI]
Paper XVI *Study of Family and Society [HDFS-XII]
Paper XVII ***Training and Development
Paper XVIII Applied Chemistry

* Common with group 'A', ** Common with group 'B', Common with group 'E', **** Common with group 'A' & 'B', ***** Common with All Spl groups

MASTER OF HOME SCIENCE (SPECIALIZATION)

M.H.Sc.(SPL.)

(Human Development, Home Science Extn. Education, Food & Nutrition)

No. of seats : 3 in each specialization semester)

Duration : 2 Years (4

Eligibility : A Candidate who has passed (with at least 50% marks) Bachelor of Home Science (TDC) Examination of this University or an examination of any University as equivalent there to is eligible to appear for admission test.

Admission: Admission to M.H.Sc. is done on the basis of admission test/academic merit only. 09 seats of specialization shall be filled from the list of 34 successful candidates as per their merit and options.

Group A : Human Development & Family Studies

Course Structure

Paper/Course

First Semester

Paper I	*****Fundamentals of Computers and Introduction to Information Technology-I
Paper II	Infant Development and Stimulation (HDFS-VI)
Paper III	****Advanced Physiology
Paper IV	Maternal & Child Nutrition F.N.V.**
Paper V	*****Research Methodology I

Second Semester

Paper VI	Advanced Human Development (HDFS-VII)**
Paper VII	Theories of Human Development (HDFS-VIII)
Paper VIII	Advanced Food Science F.N. VI
Paper IX	Research Methodology- II****
Paper X	*****Fundamentals of Computers and Introduction to Information Technology-II

Third Semester

Paper XI	*Method of Studying Human Development (HFS-IX)
Paper XII	Women's Studies*****
Paper XIII	Gerontology

Fourth Semester

Paper XIV	Principles and curriculum for Preschool Care and Educaiton
Paper XV	Study of Family & Society (HDFS- XIII)*****
Paper XVI	Dissertation.

Group B : Food & Nutrition

Course Structure

First Semester

Paper I	Fundamentals of Computers and Introduction to Information Technology-I
Paper II	*****Nutritional Biochemistry I
Paper III	**Advanced Physiology
Paper IV	*Maternal and Child Nutrition (FN V)
Paper V	***Research Methodology I

Second Semester

Paper VI	**Advanced Human Development
Paper VII	Nutritional Biochemistry II
Paper VIII	**Advanced Food Science (FN VI)
Paper IX	*****Research Methodology II

Paper X ***Fundamentals of Computers and Introduction to Information
Technology II

Third Semester

Paper XI Advanced Nutrition (FN VII)
Paper XII Techniques and Instrumentation in Nutrition Research – Nutritional
Biochemistry IIII
Paper XIII *****Institutional Management (FN VIII)

Fourth Semester

Paper XIV Advanced Dietetics (FN IX)
Paper XV Food Processing and Preservation (FN X)
Paper XVI Dissertation.

Group E : Extension Education

Course Structure

First Semester

Paper I **Fundamentals of Computers and Introduction to Information Technology
Paper II Indian Socio-economic Environment : Development Perspectives [ECM-V]
Paper III Participatory Program Management [ECM-VI]
Paper IV Extension Organization and Administration [ECM-VII]
Paper V **Research Methodology I

Second Semester

Paper VI *Training and Development [ECM-VIII]
Paper VII Gender Sensitization for Empowerment [ECM-IX]
Paper VIII Development Communication [ECM-X]
Paper IX ***Research Methodology II
Paper X Fundamentals of Computers and Introduction to Information Technology

Third Semester

Paper XI Entrepreneurship Development [ECM-XI]
Paper XII ****Women Studies
Paper XIII Media Planning and Evaluation [ECM-XII]

Fourth Semester

Paper XIV Journalism and Media [ECM-XIII]
Paper XV Project Formulation [ECM-XIV]
Paper XVI Dissertation [ECM-XV]

*Common with Gp. 'B', **Common with Gp. 'A' & 'B', ***Common with all spl. Gps.,
****Common with Gp. 'E', *****Common with Gp. 'A'

INSTITUTE OF BASIC SCIENCE

The Institute consists following Departments with the following Courses:

- (1) **Department of Chemistry**
 - (i) M. Phil. (Chemistry)
 - (ii) M. Sc.(Chemistry)
- (2) **Department of Physics**
 - M. Phil. (Physics)
- (3) **Department of Mathematics**
 - (i) M. Phil. (Mathematics)
 - (ii) M. Sc.(Mathematics)

DEPARTMENT OF CHEMISTRY

M. Phil. (Chemistry)

No. of Seat: 15
Semesters)

Duration: 1 year (2

Eligibility :

- (a) Master's degree with at least 55% marks and
- (b) Either 55% marks in B Sc and second class in intermediate or 50% marks in each of these two examinations separately or 55% marks in aggregate of intermediate and B.Sc. examinations.

Admission : The selection of the candidates will be made on the basis of written test/merit. Provided further that the above mentioned qualifications may relaxed by the admitting authority in respect of a confirmed teacher of any degree college of this University. The M. Phil programme shall consist of two semesters. The first semester shall have six theory paper which will be common to all the M. Phil students. The second semester shall have two compulsory papers and four elective paper. Besides these papers, there will be periodical tests, seminars, dissertation and viva- voce examination.

Course Structure :

First Semester

Paper I Human Resource Management and Personality Development marks	30 TH + 10TS
Paper II Computer Application marks	30 TH + 10TS
Paper III Applications of spectroscopy to inorganic chemistry TS marks	60 TH + 15
Paper IV Application of spectroscopy to organic chemistry marks	60 TH + 15 TS
Paper V Analytical methods marks	60 TH + 15 TS
Three Seminars	45 marks
TOTAL	350 marks

Second Semester

Paper I Analytical methodologies	40 marks
Paper II Research methodologies	40 marks
Review article	40 marks

Dissertation	Grading- A,B,C
Vica- voce Examination	Approved, Revision, Disapproved
Test of paper I and II	20 marks
Seminar on review article	10 marks
TOTAL	150 marks

Each candidate will submit a review article assigned by the Head and a dissertation on a topic approved by M.Phil. Committee at the end of the session.

M. Sc. (Chemistry)

No. of Seat : 20
Semesters)

Duration : 2 years (4

Eligibility: B.Sc. three year degree with Chemistry as one of the main subjects securing at least 55% of marks in aggregate as well as 55% marks in chemistry in theory papers. The selections of the candidates will be done on the basis of their written test (100 marks) organized by the University or as per University norms.

Admission : On the basis merit/written test.

Course Structure:

First Semester:

Paper I	Computer for Chemists
Paper II	Inorganic Chemistry
Paper III	Organic Chemistry

Paper IV Physical Chemistry
Seminar

Second Semester

Paper V Group Theory and Spectroscopy
Paper VI Bio-inorganic Chemistry
Paper VII Bio-organic Physical Chemistry
Paper VIII Analytical Chemistry seminar
Seminar
Practical

Third Semester:

Paper IX Spectroscopic Methods of Analysis
Paper X Photo and Stereochemistry
Paper XI Solid State Chemistry, Surface phenomenon and Chemical equilibria
Paper XII Coordination Chemistry
Seminar

Fourth Semester: (Specialization in Organic Chemistry)

Paper XIII Analytical Chemistry
Paper XIV Interdisciplinary Topics
Paper XV Elective Paper-I (Chemistry of Natural Products)
Paper XVI Elective Paper –II (Heterocyclic Chemistry)
Seminar
Practical

List of Elective Papers

(a) Inorganic Chemistry

1. Organotransition metal Chemistry
2. Bio-inorganic and Supramolecular Chemistry

(b) Organic chemistry

1. Heterocyclic of Chemistry
2. Chemistry of Natural Products.

(c) Physical chemistry

1. Quantum Chemistry
2. Thermodynamics

DEPARTMENT OF PHYSICS

M.Phil. (Physics)

**No. of Seats: 15
Semester)**

Duration: 1 year (Two-

- Eligibility:** The minimum qualification for admission to M.Phil. (Physics) shall be:
- (a) M.Sc./M.Tech. in Physics/Applied Physics/Electronics/Electrical Nanotechnology/ Nanoscience/ Material Science with at least 55% marks
 - (b) Either 55% in B. Sc. (10+2+3)/B.Tech and second division in intermediate or 50% marks in each of these two examinations separately.

The admission of candidates shall be made on the basis of Entrance Test conducted by University.

Course Structure:

FIRST SEMESTER

Course Titles

- 1.1 Research Methodology
- 1.2 Computer Applications
- 1.3 Satellite Communication
- 1.4 Seminars

SECOND SEMESTER

Course Titles

- 2.1 Condensed Matter Physics
- 2.2 Optoelectronics
- 2.3 Nanotechnology
- 2.4 Seminars based Dissertation Work

In addition, the student will submit the Dissertation on the approved topic after the Second Semester Examination

DEPARTMENT OF MATHEMATICS

M.Phil. (Mathematics)

**No. of Seats : 15
Semester)**

Duration : 1 year (2

Eligibility : The minimum qualification for the admission to an M.Phil Course shall be

1. Master's Degree in the relevant subject with atleast 55% marks (or an equivalent grade) or an equivalent foreign degree and
2. An aggregate of at least 55% of marks in B.Sc. and 10+2 levels taken together or

at least 50% marks in the two examinations separately.

3. The admission to M.Phil (Mathematics) shall be open to students who have done post graduation in any branch of Mathematical Science

(Mathematics/ Statistics/ Operation Research/ Computer Science/ Computer Applications)

Admission : The selection of the candidates will be made on the basis of written test. The admission committee, with the permission of the Vice Chancellor, may release any of the conditions mentioned in (2) above.

Note : Course structure is subject to modification by the Academic Council.

Course Structure:

Semester I

MP- 1: Research Methodology

MP- 2: Computer and Mathematical Software

MP- 3: Mathematical Modelling

Semester II

Any two of the following:

1. Queuing Theory
2. Fuzz Mathematics
3. Reliability Theory
4. Bio complex Analysis
5. Financial Mathematics
6. Coding Theory
7. Cryptography
8. Wavelet Analysis
9. Theory of Computing
10. Inventory Models
11. Neural Networks
12. Advanced Topology
13. Graph Theory
14. Dynamical System
15. Mathematical Biology
16. Computational Fluid Dynamics

In addition, there shall be seminars and dissertation work.

M.Sc. (Mathematics)

No. of Seats : 20
Semesters)

Duration : 2 years (4

Eligibility : The minimum qualification for the admission to an M.A./M.Sc. Course shall

be : Three year Bachelor's Degree with Mathematics as one of the subjects in all three Years 2. Either an average of at least 55% marks in B.Sc. and Intermediate Examinations taken together at least or 50% marks in B.Sc. and 2nd division in intermediate separately.

Admission : The selection of the candidates will be made on the basis of Written test/merit.

Course Structure :

First Semester :

- M- 1 : Abstract Algebra
- M- 2 : Mathematical Analysis
- M- 3 : Mathematical Statistics
- M- 4 : Discrete Mathematics
- M- 5 : Programming in 'C'

Second Semester :

- M- 6 : Abstract Algebra- II
- M- 7 : Complex Analysis
- M- 8 : Operations Research with C
- M- 9 : Ordinary Differential Equations & Partial Differential Equations
- M- 10 : Numerical Methods with C and C++

Third Semester Practical/Presentation/Viva:

- M- 11 : Probability Theory
- M- 12 : Fuzzy Mathematics
- M- 13 : Topology
- M- 14 : Fluid Mechanics
- M- 15 : Elective

Fourth Semester :

- M- 16 : Mathematical Programming
- M- 17 : Modeling & Simulation
- M- 18 : Functional Analysis
- M- 19 : Game Theory
- M- 20 : Elective

Practical/Presentation/Viva

SCHOOL OF LIFE SCIENCES

The school consists of Eight Departments with the following courses :

Departments :	Courses
1. Department of Biotechnology	: M.Sc.
2. Department of Biochemistry	: M.Sc.
3. Department of Botany	: M.Sc, M.Phil.
4. Department of Environmental Studies	: M.Sc.
5. Department of Environmental Toxicology	: M.Sc.
6. Department of Forestry	: M.Sc.
7. Department of Zoology	: M.Sc, M.Phil.
8. Department of Microbiology	: M.Sc.

DEPARTMENT OF ZOOLOGY

M.Phil. (Zoology)

No. of Seats: 15
Semesters)

Duration : 1 year (2

Eligibility : The minimum qualification for admission to an M.Phil. course will be:

1. Master's degree in subject concerned with above 55% marks and
2. Either an average of 55% marks in two examinations prior to Master's degree i.e. Intermediate/Higher Secondary and Bachelor's Degree examination counted together or 50% marks in each of the above two examinations separately.

Admission : The selection of candidate will be made on the basis of written test/ merit and interview .

Course Structure :

First Semester :

Course- I : Instrumentation

Course- II : Biostatistics

Course- III : Research Techniques

Second Semester :

Course- IV : Any of the following specialization:

1. Toxicology
2. Environmental Pollution
3. Endocrinology

Course- V : Methods in Dissertation/ Thesis writing, scientific report & project formulation connected with the Dissertation, (Viva-Voce topic of Dissertation)

M.Sc. (Zoology)
With specialization in Environmental Biology or Molecular Biology

No. of Seats : 20
Semesters)

Duration : 2 years (4

Eligibility : The minimum qualification for admission to Master course in Zoology shall be Bachelors degree with minimum of 50% marks with Zoology as one of the subjects.

Admission : On the basis of merit/Written Test.

Course Structure :

First Semester :

Course- I : Biosystematics, Invertebrates and Micro biology.

Course- II : Biological Chemistry

Course- III : Cell Biology

Practicals : (Based on course I - III)

Second Semester :

Course- IV : Chordates & Evolutinary Biology

Course- V : Physiology and Immunology

Course- VI : Genetics and Molecular Biology

Practicals : (Based on course IV - VI)

Third Semester :

Course- VII : Animal Behavior and Quantitative Biology

Course- VIII : Concept of Animal Development

Course- IX : Applied Entomology

Practicals : (Based on course VII - IX)

Fourth Semester :

Course- X : Environmental Physiology & Ecosystem

Course- XI : Environmental Pollution, Environmental Management & Environmental Health & Computer Application

Course- XII : Environmental Economics, Population and Environmental education

Practicals : (Based on course (X - XII)

OR

Course- X : Molecular Cell Biology

Course- XI : Molecular Cytogenetics & Computer Application

Course- XII : Cellular and Molecular Techniques

Practicals : (Based on course (X- XII)

DEPARTMENT OF BOTANY

M.Phil. (Botany)

No. of Seats : 15
Semesters)

Duration : 1 year (2

Eligibility : The minimum qualification for admission to an M.Phil. Course will be :

1. Master's degree in subject concerned with above 55% marks and
2. Either an average of 55% marks in two examination prior to Master's degree i.e. Intermediate/ Higher Secondary and Bachelor's Degree examination counted together or 50% marks in each of the above two examinations separately.

Admission : The selection of candidate will be made on the basis of written test/merit.

Course Structure :

First Semester :

Course- I : Research Methodology (Compulsory)

Any one of the following course

Course- II : Plant Biochemistry

Course- III : Reproductive Biology and Principles of Plant Breeding

Course- IV : Plant Morphogenesis

Second Semester :

Course- V : Biostatistics (Compulsory)

Any one of the following course

Course- VI : Cytology and Molecular Biology

Course- VII : Environmental Biology

Course- VIII : Applied Microbiology

Project Report / Dissertation :

Each student will be required to complete 4 courses, 2 courses in the First Semester and 2 courses in second Semester in addition to submission of a project Report/ Dissertation. Every student will have to take up an excursion in First Semester. Each student will have to give at least one seminar talk pertaining to his dissertation and attend at least six seminars held in the Department before submitting his dissertation.

M.Sc. (Botany)

No. of Seats : 20
Semesters)

Duration : 2 years (4

Eligibility :

The minimum qualification for admission to Master Course in Botany shall be Bachelors degree with minimum of 50% marks with Botany as one of the subjects.

Admission : Admission will be made on the basis of written test/merit

Course Structure :

First Semester :

Course 1	Cell & Molecular Biology of Plants
Course 2	Biology and Diversity of Algae, Bryophytes and Pteridophytes
Course 3	Biology & Diversity of Viruses, Bacteria and Fungi
Course 4	Cytology and Genetics
Practicals	Based on Course 1-4

Second Semester :

Course 5	Cytogenetics & Plant Breeding
Course 6	Biology and Diversity Gymnosperms
Course 7	Taxonomy of Angiosperms
Course 8	Plant Physiology and Metabolism
Practicals	Based on Course 5-8

Third Semester :

Course 9	Plant Development
Course 10	Plant Reproduction
Course 11	Plant Ecology
Course 12	Plant resource utilization and conservation
Practicals	Based on Course 9-12

Fourth Semester :

Course 13	Biostatistics and Computer Application
Course 14	Biotechnology and Genetics Engineering
Course 15	Reproductive Biology - I
Course 16	Reproductive Biology - II
Practicals	Based on Course 13-16

DEPARTMENT OF BIOTECHNOLOGY

M.Sc. (Biotechnology)

**No. of Seats : 20
Semesters)**

Duration : 2 years (4

Eligibility : The minimum qualification for admission to a Master's Course in Biotechnology shall be any one of the following:

- (a) Bachelors degree with Botany/Zoology as one of the subjects with minimum 50% marks.
- (b) B.E./B. Tech. (Chemistry, Biochemical Engineering, B.V.Sc./M.B.B.S. Biotechnology) with minimum 50% marks.
- (c) B.Sc. (Honors) degree in any of the following subjects with a minimum 50% marks.

Biotechnology, Biochemistry, Biophysics, Microbiology, Zoology, Botany, Geology, Physics and Chemistry.

Admission : The selection of the candidate will be made on the basis of Written test. The admission test shall be of B.Sc. standard.

Course Structure:

First Semester:

- Course I : Cell Biology
Course II : Bio-molecules and basic enzymology
Course III : Microbial Physiology & Genetics
Course IV : Computer Application & Biostatistics
Practicals : Based on Course I - IV

Second Semester: Seminars, Written Test (Internal Assessment), Attendance

- Course V : Molecular Biology
Course VI : Instrumentation and Techniques in Biotechnology
Course VII : Biology of Immune System
Course VIII : Plant Biotechnology
Practicals : Based on Course V - VIII

Third Semester: Seminars, Written Test (Internal Assessment), Attendance

- Course IX : Animal Cell Sciences & Technology
Course X : Genetic Engineering
Course XI : Bioprocess Engg. & Technology

Course XII : Environmental Biotechnology
Practicals : Based on Course IX - XII
Fourth Semester: Seminars, Written Test (Internal Assessment), Attendance
Project Work

DEPARTMENT OF BIOCHEMISTRY

M.Sc. (Biochemistry)

No. of Seats : 20
Semester)

Duration : 2 years (4

Eligibility : Same as for M.Sc. (Biotechnology).

Admission : The selection of the candidate will be made on the basis of Written test. The admission test shall be of B.Sc. standard.

Course Structure :

First Semester :

Course 1 Plant Bio-chemistry
Course 2 Cell Biology and Human Physiology
Course 3 Organic and Biophysical Chemistry
Course 4 Bioenergetics and Intermediary metabolism
Practicals Based on Course 1-4

Second Semester :

Course 5 Concept and Method in Molecular biology
Course 6 Biostatistics and Computer Application
Course 7 Immunology
Course 8 Advanced enzymology
Practicals Based on Course 5-8

Third Semester :

Course 9 Microbial Physiology and Bio-Chemistry
Course 10 Advanced Molecular Biology and Biotechnology
Course 11 Nutritional Biochemistry
Course 12 Clinical Biochemistry
Practicals Based on Course 9-12

Fourth Semester :

Course 13 Environmental Bio-chemistry and Toxicology
Project work
Dissertation

Viva- Voce

DEPARTMENT OF MICROBIOLOGY

M.Sc. Microbiology

No. of Seats : 20
Semesters)

Duration : 2 years (4

Eligibility : Same as for M.Sc. (Biotechnology).

Admission : The selection of the candidate will be made on the basis of Written test. The admission test shall be of B.Sc. standard.

Course Structure :

First Semester :

Course 1 Mycology
Course 2 Virology
Course 3 Bacteriology
Course 4 Microbial Bio-chemistry
Practicals Based on Course 1-4

Second Semester :

Course 5 Molecular Biology and Recombinant DNA Technology
Course 6 Biostatistics and Computer Application
Course 7 Microbial Genetics
Course 8 Microbial Metabolism
Practicals Based on Course 5-8

Third Semester :

Course 9 Environmental Microbiology
Course 10 Medical Microbiology
Course 11 Industrial and Food Microbiology
Course 12 Agricultural Microbiology
Practical Based on Course 9-12

Fourth Semester :

Project work/Dissertation, Viva- Voce

DEPARTMENT OF ENVIRONMENTAL STUDIES

MASTER OF SCIENCE (M.Sc.) IN ENVIRONMENTAL SCIENCE

No. of Seats: 20
Semesters)

Duration: 2 years (4

Eligibility:

The minimum qualification for admission to the Master's Course in Environmental Science shall be:

- (a) Bachelor's degree with 50% marks in aggregate with Chemistry/ Zoology/ Botany/ Forestry/Environmental Science as one of the subjects.
- (b) Bachelor's degree in any one of the following: Biotechnology, Microbiology, Biomedical Science, Biochemistry, Life Science and Home Science with 50% marks in aggregate will also be eligible.
- (c) Either an average of 55% marks in two examinations prior to the Bachelor's degree i.e. High School and Intermediate and Bachelor's degree examinations counted together or 50% marks in each of the above examinations separately.
- (d) B.Sc.(Honors School) in any one of the following: Environmental Science, Biotechnology, Biochemistry, Biophysics, Microbiology, Zoology, Botany, Physics, Forestry, Home Science and Chemistry with 50% marks in aggregate will also be eligible.

Admission: On the basis of written test, academic record and interview. The admission test shall be of B.Sc. standard.

Course Structure:

Semester-I

Course-I---Ecology and Sustainable Development

Course-II --Environmental Pollution

Course-III --Meteorology : Tools and Techniques

Practical's of the Three Courses

Semester - II

Course-IV--Environmental Chemistry

Course-V--Earth Processes and Soil Sciences

Course-VI--Energy and Environmental Policy

Practical's of the Three Courses

Semester - III

Course-VII--Water Resources and Marine Environment

Course-VIII--Solid and Hazardous Waste Management

Course-IX--Environmental Biostatistics and Modelling

Practical's of the Three Courses

Semester- IV

Course-X--Environmental Impact and Risk Assessment

Course-XI--Environmental Biotechnology and Toxicology
Course-XII--Environmental Management and Laws
Practical's of the Three Courses

DEPARTMENT OF FORESTRY

M.Sc. (Forestry)

No. of Seats : 20
Semesters)

Duration : 2 years (4

Eligibility : The minimum qualification for admission to Master Degree in Forestry Science shall be B.Sc. in Forestry, Agriculture, B.Sc. Hons. In Biochemistry, Biotechnology, Microbiology, Zoology, Botany.

Admission : On the basis of Written test/merit.

Course Structure :

First Semester :

Course 1 Forest Ecology and Environmental Conservation
Course 2 Forest Soil, Survey, Mapping and Land use Planning
Course 3 Silviculture
Practicals of Three Courses (Lab Course and Field Studies)

Second Semester :

Course 4 Meteorology, Climatology and Remote Sensing
Course 5 Forest Economics, Legislation and project Formulation
Course 6 Forest Protection
Practicals of Three Courses (Lab Course and Field Studies)

Third Semester :

Course 7 Forest Recourses Utilization
Course 8 Forest Wild life management and Conservation
Course 9 Forest Statistics and Computer Application
Practicals of Three Courses (Lab Course and Field Studies)

Fourth Semester :

Course 10 Agroforestry and Grass Land Management
Course 11 Semi arid Soil and Water Conservation Water Shed Management
Course 12 Forest Management, Mensuration and Eco-development
Practicals of Three Courses (Lab Course and Field Studies with Project Work)

DEPARTMENT OF ENVIRONMENTAL TOXICOLOGY

M.Sc. (Environmental Toxicology)

No. of Seats : 20
Semesters)

Duration : 2 years (4

Eligibility :

B.Sc. in any one of the following: Zoology, Botany, Chemistry, Bio-technology, Bio-chemistry, Bio-physics or Micro-Biology.

Admission : Admission will be made of the basis of merit.

Course Structure :

First Semester :

Course 1 Fundamentals of Toxicology

Course 2 Occupational and Environmental Toxicology

Course 3 Ecotoxicology

Practicals of the Three Courses (Lab Course and Field Studies)

Second Semester :

Course 4 Trace Elements and Human Health

Course 5 Pesticides Toxicology

Course 6 Biostatistics

Practicals of the Three Courses (Lab Course and Field Studies)

Third Semester :

Course 7 Analytical Techniques in Toxicology

Course 8 Cosmetics Toxicology

Course 9 Toxicology of Heavy Metals

Practicals of the Three Courses (Lab Course and Field Studies)

Fourth Semester :

Course 10 Epidemiology and Preventive Toxicology

Course 11 Forensic toxicology

Course 12 Computer Modelling

Practicals of the Three Courses (Lab Course and Field Studies)

DEPARTMENT OF HISTORY & CULTURE

M.PHIL. (HISTORY)

No. of Seats : 20
Semesters)

Duration : 1 year (2

Eligibility :

Candidate must have passed with Masters Degree with at least 55% marks and Bachelor's Degree with at least 50% marks.

Admission : Admission to this course will be given after admission test.

Course Structure :

First Semester :

Paper- I Theory of History
Paper- I Research Techniques & Methods

Second Semester :

Paper- III-A Ancient Historiography.
Paper- III-B Medieval Historiography.
Paper- III-C Modern Historiography
Paper- IV Philosophy and Philosophers of History

M.A. (HISTORY)

No. of Seats : 30
Semesters)

Duration : 2 years (4

Eligibility : Graduate in any discipline.

Admission : On the basis of merit.

Course Structure :

First Semester :

Paper I Historiography, Concept, Methods & Tools
Paper II-A History of India from earliest times to the post Gupta Period
Paper II-B Political History of India 1000 A.D. to 1526 A.D.
Paper II-C Political History of India 1757 to 1857 A.D.

Second Semester :

Paper III Twentieth Century World
Paper IV-A History of India from Haswardhan to Circa Century Twelfth
Paper IV-B Political History of India 1000AD to 1526 A.D.
Paper II-C Political History of India 1858 to 1964 A.D.

Third Semester :

Paper V-A Society and Economy in Ancient India
Paper V-B Society and Economy in India 1000 AD to 1750 A.D.
Paper VI-A State Craft of India
Paper VI-B History of Ideas

- Paper VI-C History of Awadh (1722-1856)
- Paper VI-G History of Science & Technology in Precolonial India
- Paper VI-H Medieval Epigraphy
- Paper VI-I Epigraphy
- Paper VI-J Archival Studies

Fourth Semester :

- Paper VII-A Religion and Culture in Ancient India
- Paper VII-B Religion and Culture in India (1000 A.D. to 1750 A.D.)
- Paper VII-C Society, Religion & Culture in Modern India 1757 to 1964
- Paper VIII-A Computer Application in History
- Paper VIII-B Science & Technology in Colonial India
- Paper VIII-C Women in India History
- Paper VIII-D Gandhi and his Philosophy
- Paper VIII-E History of Braj Region
- Paper VIII-F History of U.P. (1834-1947)
- Paper VIII-G History of Agra
- Paper VIII-H Numismatics

DEPT. OF LIBRARY AND INFORMATION SCIENCE
Bachelor of Library and Information Science (B.Lib.I.Sc.)

No. of Seats: 50
1 year

Duration :

Eligibility :

Candidate seeking admission to the course must have passed at least a bachelor's degree examination under (10+2+3) pattern from a recognized University with minimum 50% marks.

Admission : On the basis of test/merit

Course Structure:

- Paper I Foundation of Library and Information Science
- Paper II Management of Library and Information Science
- Paper III Knowledge organization and processing (Theory)
- Paper IV Knowledge organization and processing (Classification Practical)
- Paper V Knowledge organization and processing (Cataloguing Practical)
- Paper VI Reference services and Information sources
- Paper VII Information Retrieval Systems and Services
- Paper VIIIA Information Technology : Basics(Theory)
- Paper VIIIB Information Technology : Basics(Practical)

Master of Library and Information Science
(M.Lib.I.Sc.)

No. of Seats : 30
1 years

Duration :

Eligibility :

Candidates seeking admission to the course shall satisfy the following conditions:

- (1) They must possess the B.Lib.Sc. or equivalent Degree of this University or any other University recognized by this University, provided that the candidate has obtained Second division with a 50% marks.
- (2) The Candidates must have passed at least Bachelor's Degree examination under (10+2+3) pattern of education and with a minimum of 50% marks

Admission : On the basis of test/merit

Course Structure :

- Paper I Information Communication and Society
- Paper II Information Processing and Retrieval

- Paper III Research Methods and Statistical Techniques
 Paper IVA Knowledge organization and processing practical (Classification Practical by UDC)
 Paper IVB Knowledge organization and processing practical (Cataloguing by AACR-2)
 Paper V Information source, Systems and Programs
 Paper VI Academic Library System
 Paper VII Information Institution, Products and Services
 Paper VIIIA Information Technology : Applications (Theory)
 Paper VIIIB Information Technology : Applications (Practical)
- Education Tours Every year the Department organizes visits to various types of libraries/ documentation centers local and outside Agra in which participation by students shall be compulsory.

**SETH PADAM CHAND JAIN INSTITUTE OF COMMERCE,
 BUSINESS
 MANAGEMENT AND ECONOMICS**

MASTER OF BUSINESS ADMINISTRATION (M.B.A.)

Three-year (Part Time)

No. of Seats: 60
semesters)

Duration: 3 Years (6

Eligibility : A Bachelor degree (10+2+3) or an equivalent degree (Including medicine, technology etc.) in any discipline from a recognized university and with minimum one year post qualification experience in Supervisory capacity. Graduates before or of 2012 can only apply.

Admission : On the basis of merit.

Course Structure

SEMESTER-I

- 101 PRINCIPLES AND PRACTICES OF MANAGEMENT
- 102 QUANTITATIVE TECHNIQUES FOR MANAGEMENT
- 103 ACCOUNTING FOR MANAGERS
- 104 ORGANIZATIONAL BEHAVIOUR

SEMESTER-II

- 201 HUMAN RESOURCE MANAGEMENT

- 202 MARKETING MANAGEMENT
- 203 FINANCIAL MANAGEMENT
- 204 PRODUCTION & OPERATIONS MANAGEMENT

SEMESTER-III

- 301 MANAGEMENT INFORMATION SYSTEM & E-COMMERCE
- 302 ENTREPRENEURSHIP AND SMALL BUSINESS MANAGEMENT
- 303 BUSINESS LAWS
- 304 MANAGERIAL ECONOMICS

SEMESTER-IV

- 401 INTERNATIONAL BUSINESS MANAGEMENT
- 402 BUSINESS ETHICS & VALUES SYSTEMS
- 403 RESEARCH METHODOLOGY
- 404 SUPPLY CHAIN & LOGISTIC MANAGEMENT

SEMESTER V

- 501 CORPORATE STRATEGIC MANAGEMENT
- 502 MATERIALS MANAGEMENT SPECIALISATION-1 SPECIALISATION-2

AREA OF SPECIALISATION: TWO PAPERS OUT OF WHICH ONE OF THE FOLLOWING GROUPS HAVE TO BE SELECTED FOR SPECIALISATION.

(I) FINANCE

- FM 1** FINANCIAL DECISION AND ANALYSIS
- FM 2** SECURITY ANALYSIS AND PORTFOLIO MANAGEMENT

(II) HUMAN RESOURECE

- HRM 1** LABOUR LAWS
- HRM 2** HRD: PRACTICES & SYSTEMS

(III) MARKETING

- MMI** SERVICE MARKETING
- MM2** PRODUCT AND ADVERTISING MANAGEMENT

(IV) RETAIL MANAGEMENT

- RM- 1** RETAIL MANAGEMENT : CONCEPT & PRACTICES
- RM-2** CUSTOMER RELATIONSHIP MANAGEMENT

SEMESTER VI

- 601 (PT) CORPORATE LAWS
- 602 (PT) SPECIALISATION-3
- 603 (PT) SPECIALISATION-4
- 604 (PT) PROJECT REPORT & VIVA- VOCE

AREA OF SPECIALISATION : TWO PAPERS OUT OF WHICH ONE OF THE

FOLLOWING GROUPS HAVE TO BE SELECTED FOR SPECIALISATION

- (I) **FINANCE**
FM 3 MERCHANT BANKING AND FINANCIAL SERVICES
FM 4 INTERNATIONAL FINANCIAL MANAGEMENT
- (II) **HUMAN RESOURCES**
HRM3 INDUSTRIAL REALATIONS
HRM 4 ORGANIZATIONAL DEVELOPMENT AND
INDUSTRIAL PSYCHOLOGY
- (III) **MARKETING**
MM3 CONSUMER BEHAVIOUR AND MARKETING RESEARCH
MM4 SALES AND DISTRIBUTION MANAGEMENT
- (IV) **RETAIL MANAGEMENT**
RM-3 MALL MANAGEMENT
RM-4 PRACTICES & STRATEGIES IN RETAILING

M.Com.

**No. of Seats: 30 each
4 Sem.**

Duration:

Specialization (i) **Business Administration Group**
(ii) **Accounts & Law Group**
(iii) **Applied Business Economics Group**

Eligibility : A Bachelor degree (10+2+3) or an equivalent degree in Commerce.

Admission : On the basis of merit/test.

Course Structure As prescribed by University for affiliated colleges.

ACCOUNTS & LAW GROUP

Course Structure:

Semester I

Course 101 Company Law

Course 102 Advanced Corporate Accounting

Course 103 Statistical Analysis

Course 104 Business Laws

Semester II

Course 201 Accounting For Managerial Decisions

Course 202 Advanced Auditing

Course 203 Advanced Cost Accounting And Control

Course 204 Financial Institutions And Markets

Semester III

Course 301 Tax Planning & Management For Individuals

Course 302 Financial Management

Course 303 Taxation (Excluding Income Tax)

Course 304 Security Analysis & Portfolio Management

Semester IV

Course 401 Tax Planning & Management – Other Than Individuals

Course 402 Project Planning & Control

Course 403 (A) Research Methodology

Or

Course 403 (B) Project Work

Course 404 Comprehensive Viva-Voce

BUSINESS ADMINISTRATION GROUP

Course Structure:

Semester I

Course – 101 Principles Of Management

Course – 102 Managerial Economics

Course – 103 Accounting For Managerial Decisions

Course – 104 Marketing Communication

Semester II

Course – 201 Marketing Management

Course – 202 Business Environment

Course – 203 Statistical Analysis

Course – 204 Advertising Management

Semester III

Course – 301 Financial Management

Course – 302 (A) Production Management

Or

Course – 302 (B) Retail Management

Course – 303 Human Resource Development

Course – 304 Organizational Behaviour

Semester IV

Course – 401 Research Methodology

Course – 402 (A) Strategic Management

Or

Course – 402 (B) International Marketing

Course – 403 (A) Project Work

Or

Course – 403 (B) Entrepreneurship Development

Course – 404 Comprehensive Viva-Voce

APPLIED BUSINESS & ECONOMICS GROUP

Course Structure:

Semester I

Course 101 Managerial Economics

Course 102 Economics Environment of Business

Course 103 Management Concept and Organizational Behaviour

Course 104 Statistical Analysis

Semester II

Course 201 Financial Analysis and Control

Course 202 International Business Environment

Course 203 Tax Planning

Course 204 Modern Marketing – Strategic & Application

Semester III

Course 301 (A) Security Analysis and Portfolio Management

Or

Course 301(B) Financial Institution and Markets

Course 302 (A) International Marketing

Or

Course 303(B) Business Policy & Strategy

Course 303 Foreign Trade Policy, Procedure and Documentation

Or

Course 304 Cooperative Tax Planning & Management

Semester IV

Course 401 Financial Service Marketing

Course 402(A) Research Methodology

Or

Course 402(B) International Financial Management

Course 403(A) Business Project Planning & Control

Or

Course 403(B) Project Work

Course 404 Comprehensive Viva-Voce

DEPARTMENT OF PHYSICAL EDUCATION

Bachelor in Physical Education (B.P.Ed.)

No. of Seat : 50
Years/4 Sem

Duration: 2

अर्हता रू 50 प्रतिशत अंको सहित शारीरिक शिक्षा में स्नातक अथवा एक प्रमुख विषय के रूप में शारीरिक शिक्षा में 50 प्रतिशत अंकों सहित स्नातक उपाधि अथवा 45 प्रतिशत अंकों सहित शारीरिक शिक्षा में स्नातक उपाधि अथवा एक प्रमुख विषय के रूप में 50 प्रतिशत अंकों सहित शारीरिक शिक्षा से युक्त स्नातक उपाधि अथवा 45 प्रतिशत अंको सहित शारीरिक शिक्षा में स्नातक उपाधि अथवा एक प्रमुख विषय के रूप में 45 प्रतिशत अंको सहित शारीरिक शिक्षा से युक्त स्नातक उपाधि तथा ए0आईयू0 अथवा आई0ओ0ए0 द्वारा मान्य खेल-कूदों में राष्ट्रीय/अखिल भारतीय अन्तर विश्वविद्यालय/अन्तर विश्वविद्यालय प्रतियोगिताओं में सहभागिता अथवा प्रतिनियुक्ति पर (सेवारत उम्मीदवार अर्थात् प्रशिक्षित शारीरिक शिक्षा अध्यापक कोच) 45 प्रतिशत अंकों सहित और कम से कम तीन वर्ष शिक्षण अनुभव सहित स्नातक, अनुसूचित जातियों/अनु0जन जातियों/अन्य पिछड़ें वर्गों तथा अन्य श्रेणियों के लिये आरक्षण तथा अर्ह अंकों में ढील का प्राविधान केन्द्रीय [सरकार/राज्य सरकार](#) इनमें से जो भी लागू हो उसके नियमों के अनुसार होगा । अनु0जातियों/अनु.जनजातियों/अन्य पिछडा वर्गों तथा उम्मीदवारों की अन्य श्रेणियों के पक्ष में पांच प्रतिशत की ढील दी जायेगी ।

प्रवेश रू प्रवेश परीक्षा (लिखित परीक्षा, खेलकूद दक्षता परीक्षा, शारीरिक स्वस्थता परीक्षा तथा अर्ह परीक्षा में प्राप्त अंकों के आधार पर अथवा विश्वविद्यालय/राज्य सरकार की नीति के अनुसार शारीरिक स्वस्थता/दक्षता को समुचित भारिता प्रदान करते हुए किसी अन्य चयन प्रक्रिया के आधार पर किये जायेंगे ।

Course Structure:

SEMESTER - I

Paper	Subject
CC-101	History, Principles and foundation of Physical Education
CC-102	Anatomy and Physiology
CC-103	Health Education and Environmental Studies
EC-	Olympic Movement/Officiating and Coaching
101/102	(Elective)

PRACTICAL

PC-101	Track and Field (Running Events)
PC-102	Swimming/ Gymnastics/ Shooting

- PC-103 Indigenous Sports: Kabaddi/ Malkhambh/ lezim /March past
(Any of one out of these)
- PC-104 Mass Demonstration Activities: Kho-Kho/ dumbbells/ tipri/ wands / hoop/
umbrella (Any one out)

SEMESTER -II

Paper	Subject
CC-201	Yoga Education
CC-202	Educational Technology and Methods of Teaching in Physical Education
CC-203	Organization and Administration
EC-	Contemporary issues in physical education, fitness
201/202	and wellness/ Sports Nutrition and Weight Management (Elective)

PRACTICAL

- PC-201 Track and Field (Jumping Events)
- PC-202 Yoga/Aerobics / Swimming / Gymnastics (Any of the two out of these)
- PC-203 Racket Sports: Badminton/ Table Tennis/ Squash/ Tennis
(Any of the two out of these)

TEACHING PRACTICE

- TP-201 Teaching Practice (Classroom and outdoor)

SEMESTER -III

Paper	Subject
CC-301	Sports Training
CC-302	Computer Applications in Physical Education
CC-303	Sports Psychology and Sociology
EC-	Sports Medicine, Physiotherapy and
301/302	Rehabilitation/Curriculum Design (Elective)

PRACTICAL

- PC-301 Track and Field (Throwing Events)
- PC-302 Combative Sports : Martial Art, Karate, Judo, Fencing, Boxing, Taekwondo, Wrestling (Any two out of these)
- PC-303 Team Games: Baseball, Cricket, Football, Hockey, Softball, Volleyball, Handball, Basketball, Netball
(Any two of these)

TEACHING PRACTICE

- TP-301 Teaching Practice (Teaching Lesson Plans for Racket Sport/ Team Games/Indigenous Sports)

SEMESTER -IV

Paper Subject

- CC-401 Measurement and Evaluation in Physical Education
- CC-402 Kinesiology and Biomechanics
- CC-403 Research and Statistics in Physical Education
- EC- Theory of sports and games(Specifically sports and
401/402 games specialization)/Sports Management (Elective)

PRACTICAL

- PC-401 Track and Field/ Swimming/ Gymnastics
(Any of one out of these)
- PC-402 Kabaddi/ Kho-Kho/ Baseball/ Cricket/ Football/Hockey/Softball/ Volleyball/
Handball/ Basketball/ Netball/ Badminton/ Table Tennis/ Squash/
Tennis (Any of one out of these)

TEACHING PRACTICE

- TP-401 Sports Specialization: Coaching lessons Plans
Track and Field/Swimming /Gymnastics
(Any of one out of these)
- TP-402 Game specialization Coaching lessons: Kabaddi/ Kho-Kho/ Baseball/ Cricket/
Football/ Hockey /Softball/
Volleyball/ Handball/ Basketball/ Netball/ Badminton/ Table Tennis/ Squash/ Tennis
(Any of one out of these)

Institute of Tourism & Hotel Management

B.A. (Vocational)

No. of Seats: 30
Semesters)

Duration: 3 years (6

Eligibility: Intermediate (10+2) or an equivalent.

Admission: On the basis of merit

Subjects: Travel & Tourism Management with

- (1) History
- (2) Either Gen. English or Hindi Language
- (3) Sociology or Economics
- (4) Rastra Gaurav and Environment

B.A. (Voc.)

Course Structure

Semester - I

Subject – Travel & Tourism Management

Course 1 Tourism Business- 1

Course 2 Tourism Product- 1

History

Course 1 Political History of India from the earliest times to the Mauryas

Course 2 Political History of India from the post Mauryan times to Harsha

Sociology

Course 1 Basic Concepts

Course 2 Social Environmental

Economics

Course 1 Micro Economics

Course 2 Indian Economics-I

General English

Course 1 Grammar

Course 2 Essay (First five from prescribed book) University Publication No. 101 (A book of essays)

Rastra Gaurav and Environment

Semester -II

Subject – Travel & Tourism Management

Course 3 Tourism Business- II

Course 4 Tourism Product- II

History

Course 3 Political History of India from the Rajputs to the Turkish Conquest

Course 4 Political History of India from the Turkish Conquest to the End of Delhi Sultanate

Sociology

Course 3 Indian Sociology

Course 4 Social Institution

Economics

Course 3 Managerial Economics

Course 4 Indian Economics-II

General English

Course 3 Translation, Comprehension, Essays & Grammar

Course 4 Essay (Last five from prescribed book) Agra University Publication No. 101
(A book of essays)

Job Training

Semester -III

Subject – Travel & Tourism Management

Course 5 Tourism Marketing- I

Course 6 Tourism Agency, Tour Business & Accommodation- I

History

Course 5 Political History of India from Babur to Aurangzeb (1562 AD- 1707 AD)

Course 6 Political History of India from the (1707 AD-1865 AD)

Sociology

Course 5 Social control

Course 6 Social Change

Economics

Course 5 Money & Banking

Course 6 International Economics and World Economic Organisation

General English

Course 5 Grammar

Course 6 Short stories I (First five from prescribed book) Agra University Publication
No. 103 (Modern short Stories)

Job Training

Semester -IV

Subject Travel & Tourism Management

Course 7 Tourism Marketing II

Course 8 Tourism Agency, Tour Business & Accommodation II

History

Course 7 Political History of India from (1857AD – 1947AD)

Course 8 Ancient Indian Culture

Sociology

Course 7 Social Research & Survey Research Methodology

Course 8 Research Methodology

Economics

Course 7 Public Finance – I

Course 8 Public Finance – II

General English

Course 7 Translation, Application and letter writing

Course 8 Short Stories II (Last five from prescribed book) Agra

University Publication No. 103

(Modern Short Stories)

Job Training

Semester -V

Subject – Travel & Tourism Management

Course 9 Emerging concepts for Effective Tourism Development

Course 10 Information, Communication, Automation

History

Course 9 Medieval Indian Culture

Course 10 Modern Indian Culture

Sociology

Course 9 History of Social Thought

Course 10 Sociological Perspective

Economics

Course 9 Economics Analysis – I

Course 10 Economics Analysis –I

General English

Course 9 Grammar & Writing Skill

Course 10 A Treasury of Modern short Plays Agra University Publication No. 112

Job Training

Semester – VI

Subject - Travel & Tourism Management

Course 11 Project Report

Course 12 Entrepreneurship Development Programme

History

Course 11 A Brief Survey of Modern World from Renaissance to Napoleon Era

Course 12 A Brief Survey of Modern World from 1870 AD to 1945 AD

Sociology

Course 11 Social Disorganization

Course 12 Major Problem of Indian Society

Economics

Course 11 Development Planning & Policies

Course 12 Planning on India

General English

Course 11 Communication Skills

Course 12 Business Communication

Post Graduate Diploma in Hotel & Tourism Management

No. of Seats: 30

Duration: 1 years

Eligibility : A bachelor degree (10+2+3) or an equivalent degree (including Medicine, Technology etc.) in any discipline from a recognized university. OR

Those who hold a Bachelor degree under or 10+2+2 system of education before 1985 or with bridge course.

Admission : On the basis of merit

Course Structure :

Course 101: Paper – I Fundamental of Tourism

Course 102: Paper – II Tourism Management & Marketing Concepts

Course 103: Paper – III Travel Management

Course 104: Paper – IV Hotel Management

Course 105: Paper – V Indian History Culture & Heritage

Course 106: Paper – VI Business English & Communication Skill

Job Training Report Project & Viva Voce

4 weeks on Job Training in Mid-Session suitable to the Institute/Industry.

Institute of Engineering and Technology

Post Graduate Diploma in Computer Application (PGDCA)

No. of Seats: 25
semester)

Duration: 1 year (2

Eligibility: A Bachelor's degree (10+2+3) with at least 50% marks in Aggregate with Mathematics as a subject up to 10+2 level

Admission: On the basis of merit/admission test.

Course Structure

Semester I

Course – 101 Computer Organization

Course – 102 P/C Software Skills

Course – 103 Prog. Through C & Data Structure

Course – 104 System Analysis and Design

Course – 105 e-Commerce

Practical Based on above subjects

Semester II

Course – 201 Database Management System

Course – 202 Computer Network

Course – 203 OOPS

Course – 204 Visual Programming

Course – 205 Operating System

LALIT KALA SANSTHAN

Bachelor of Fine Arts (Painting)

No. of Seats: 20
semesters)

Duration: 4 Year (8

Eligibility: 10 + 2 or Equivalent with 45% marks (40% for SC/ST)

Admission: Based on written test, academic record and interview/ portfolio/ performance.

Course Structure:

BFA Foundation (I Year)

Semester I

Course-I Theory	:	Language Hindi
Course-II Theory	:	Theory of Fundamental of Art-I
Course-III Practical	:	Drawing
Course-IV Practical	:	Design 2D -I
Course-V Practical	:	Design 3D -I
Course-VI Practical	:	Print Making -I

Semester II

Course-VII Theory	:	Language English
Course-VIII Theory	:	Study of Indian Painting (Pre-History to 1850 A.D.)
Course-IX Practical	:	Color
Course-X Practical	:	Design 2D -II
Course-XI Practical	:	Design 3D -II
Course-XII Practical	:	Print Making -II

Semester III

Course-I Theory	:	Study Material and Methods-I
Course-II Theory	:	Art History (Indian)
Course-III Practical	:	Drawing -I
Course-IV Practical	:	Pictorial Composition -I
Course-V Practical	:	Portrait -I
Course-VI Practical	:	Elective (Landscape)

Semester IV

Course-VII Theory	:	Study Material and Methods-II
Course-VIII Theory	:	Art History (Western)
Course-IX Practical	:	Drawing -II
Course-X Practical	:	Pictorial Composition -II
Course-XI Practical	:	Portrait -II
Course-XII Practical	:	Elective (Still Life)

Semester -V

Course-I Theory	:	Indian Art and Aesthetics -I
Course-II Theory	:	Western Art and Aesthetics -I
Course-III Practical	:	Drawing -I
Course-IV Practical	:	Portrait -I
Course-V Practical	:	Pictorial Composition -I
Course-VI Practical	:	Elective (Landscape)

Semester-VI

Course-VII Theory	:	Indian Art and Aesthetics -II
Course-VIII Theory	:	Western Art and Aesthetics -II
Course-IX Practical	:	Drawing -II

Course-X Practical : Portrait -II
Course-XI Practical : Pictorial Composition -II
Course-XII Practical: Elective (Still Life)

Semester-VII

Course-I Theory : Indian Modern and Contemporary Art -I
Course-II Theory : Western Modern Art -I
Course-III Practical : Drawing -I
Course-IV Practical : Pictorial Composition-I
Course-V Practical : Portrait -I
Course-VI Practical : Elective (Landscape)

Semester - VIII

Course-VII Theory : Indian Modern and Contemporary Art -II
Course-VIII Theory : Western Modern Art -II
Course-IX Practical : Drawing -II
Course-X Practical : Pictorial Composition-II
Course-XI Practical : Portrait -II
Course-XII Practical: Elective (Still Life)

Department of Applied Art Bachelor of Fine Arts (Applied Art)

No. of Seats: 20
semesters)

Duration: 4 Year (8

Eligibility: 10 + 2 or Equivalent with 45% marks (40% for SC/ST)

Admission: Based on written test, academic record and interview/ portfolio/
performance.

Course Structure:

BFA Foundation (I Year)

Semester I

Course-I Theory : Language Hindi
Course-II Theory : Theory of Fundamental of Art-I
Course-III Practical : Drawing
Course-IV Practical : Design 2D -I
Course-V Practical : Design 3D -I

Course-VI Practical : Print Making -I

Semester II

Course-VII Theory : Language English

Course-VIII Theory : Study of Indian Painting (Pre-History to 1850 A.D.)

Course-IX Practical : Colour

Course-X Practical : Design 2D -II

Course-XI Practical : Design 3D -II

Course-XII Practical : Print Making -II

Semester-III

Course-I Theory : History of Art and Design Aesthetic-I

Course-II Theory : Advertising Art and Ideas-I

Course- III Practical : Lettering & Typography-I

Course- IV Practical : Indoor Advertising-I

Course- V Practical : Outdoor Advertising-I

Course- VI Practical : Photography/ Packaging/ Computer Graphic-I

Semester-IV

Course-VII Theory : History of Art and Design Aesthetic-II

Course-VIII Theory : Advertising Art and Ideas-II

Course-IX Practical : Lettering & Typography-II

Course -X Practical : Indoor Advertising-II

Course -XI Practical : Outdoor Advertising-II

Course -XII Practical : Photography/ Packaging/Computer Graphic-II

Semester-V

Course -I Theory : History of Visual Communication and Photography-I

Course-II Theory : Advertising Art and Ideas and Communication-I

Course -III Practical : Drawing & Illustration-I

Course -IV Practical : Indoor Advertising-I

Course -V Practical : Outdoor Advertising-I

Course -VI Practical : Photography/ Packaging/ Computer Graphic-I

Semester-VI

Course-VII Theory : History of Visual Communication and Photography-II

Course-VIII Theory : Advertising Art and Ideas and Communication-II

Course-IX Practical : Drawing & Illustration-II

Course -X Practical : Indoor Advertising-II

Course -XI Practica : Outdoor Advertising-II

Course -XII Practical : Photography/ Packaging/Computer Graphic-II

Semester-VII

Course-I Theory : History of Art, Design and Computer graphics-I

Course -II Theory : Visual Communication and Media-I

Course -III Practical : Drawing & Illustration-I

Course -IV Practical : Indoor Advertising-I

Course -V Practical : Outdoor Advertising-I

Course -VI Practical : Photography/ Packaging/ Computer Graphic-I

Semester-VIII

Course-VII Theory : History of Art, Design and Computer graphics-II

Course-VIII Theory : Visual Communication and Media-II

Course-IX Practical : Drawing & Illustration-II

Course -X Practical : Indoor Advertising-II

Course -XI Practical : Outdoor Advertising-II

Course -XII Practical : Photography/ Packaging/Computer Graphic-II

Bachelor of Fine Arts (Sculpture)

No. of Seats: 20
semesters)

Duration: 4 Year (8

Eligibility: 10 + 2 or Equivalent with 45% marks (40% for SC/ST)

Admission: Based on written test, academic record and interview/ portfolio/ performance.

Course Structure:

BFA Foundation (I Year)

Semester I

Course-I Theory : Language Hindi

Course-II Theory : Theory of Fundamental of Art-I

Course-III Practical : Drawing

Course-IV Practical : Design 2D -I

Course-V Practical : Design 3D -I

Course-VI Practical : Print Making -I

Semester II

Course-VII Theory : Language English

Course-VIII Theory A.D.)	:	Study of Indian Painting (Pre-History to 1850)
Course-IX Practical	:	Colour
Course-X Practical	:	Design 2D -II
Course-XI Practical	:	Design 3D -II

Course-XII Practical : Print Making -II

Semester –III

Course-I Theory	:	Material & Method –I
Course-II Theory	:	Art History (Indian)
Course-III Practical	:	Drawing
Course-IV Practical	:	Composition & Life Study (portrait)
Course-V Practical	:	Wood Carving
Course-VI Practical	:	Terracotta & Landscape

Semester –IV

Course – VII Theory	:	Material & Method
Course-VIII Theory	:	Art History (Western)
Course-IX Practical	:	Drawing
Course-X Practical	:	Composition & Life Study (portrait)
Course-XI Practical	:	Wood Carving
Course-XII Practical	:	Terracotta & Landscape

Semester –V

Course-I Theory	:	Indian Art & Aesthetics – I
Course-II Theory	:	Western Art & Aesthetics -I
Course-III Practical	:	Composition & Life study (Portrait / Torso)
Course–IV Practical	:	Stone Carving (No examination, only display)
Course-V Practical	:	Metal Casting & Fabrication
Course-VI Practical	:	Drawing & Landscape

Semester – VI

Course-VII Theory	:	Indian Art & Aesthetics -II
Course-VIII Theory	:	Western Art & Aesthetics - II
Course-IX Practical	:	Composition & Life study (Portrait / Torso)
Course-X Practical	:	Stone Carving (No examination, only display)
Course-X Practical	:	Metal Casting & Fabrication
Course-VI Practical	:	Drawing & Landscape

Semester-VII

Course-I Theory	:	Indian Modern & Contemporary Art-I
Course-II Theory	:	Western Modern Art -I

Course – III Practical	:	Composition and Sculptural Design
Course – V Practical	:	Metal Casting / Stone Carving
Course – VI Practical	:	Sculpture in Modern Media Drawing and Outdoor sculpture (monumental outdoor sculpture)

Semester-VIII

Course-VII Theory	:	Indian Modern & Contemporary Art - II
Course-VIII Theory	:	Western Modern Art - II
Course-VII Practical	:	Composition and Sculptural Design
Course-VIII Practical	:	Metal Casting / Stone Carving
Course-IX Practical	:	Sculpture in Modern Media
Course-IX Practical	:	Drawing and Outdoor sculpture (Monumental outdoor sculpture)

Masters of Fine Arts (Painting)

No. of Seats: 20
semesters)

Duration: 2 Years (4

Eligibility: Bachelor's Degree with **55%** marks (50% for SC/ST) in respective discipline or equivalent.

Admission: Based on written test, academic record and interview/ portfolio/ performance.

COURSE STRUCTURE

First Semester

Paper- I	Philosophy of Art -I
Paper- II	Philosophy of Modern Art-I
Paper- III	Main Practical and Advanced Drawing
Paper- IV	Seminar

Second Semester

Paper- V	Philosophy of Art-II
Paper- VI	Philosophy of Modern Art-II
Paper- VII	Main Practical
Paper- VIII	Display and Project Report

Third Semester

Paper –I	History of Oriental Art (China)
----------	---------------------------------

Paper-II Main Practical
Paper –III Display and Project (Practical)

Fourth Semester

Paper – IV History of Oriental Art (Persia and Japan)
Paper-V Dissertation and viva-voce (Practical)
Paper-VI Elective (Photography/Mural) (Practical)

Masters of Fine Arts (Applied Art)

No. of Seats: 20

Duration: 2 Years (4 semesters)

Eligibility: Bachelor's Degree with **55%** marks (50% for SC/ST) in respective discipline or equivalent.

Admission: Based on written test, academic record and interview/ portfolio/ performance.

Course Structure:

Semester-I

Course –I Theory : Indian Art & Aesthetics-I

Course –II Theory : Advertising foundation and dimensions-I

Course-III Practical : Advertising Visualization & Planning, Display & Viva-Voce-I

Course-IV Practical : Field work & Report-I

Semester-II

Course –V Theory : Indian Art & Aesthetics-II

Course –VI Theory : Advertising foundation and dimensions-II

Course-VII Practical : Advertising Visualization & Planning, Display & Viva-Voce-II

Course-VIII Practical : Field work & Report-II

Semester-III

Course -I Theory : Modern Advertising Communication Process-I

Course -II Practical : Advertising Visualization & Planning, Display & Viva-Voce-I

Course-III Practical : Seminar & Report

Semester-IV

Course - IV Theory : Modern Advertising Communication Process-II

Course-V Practical : Dissertation & Viva-Voce

Course-VI Practical : Advertising Visualization & Planning,
Display & Viva-Voce & Training-II

DAU DAYAL INSTITUTE OF VOCATIONAL EDUCATION

Institute is running the following Courses:

Vocational Courses- UGC Sponsored

(i) B.Com. (Vocational)

(ii) B.Sc. (Vocational)

B.Com. & B.Sc. (Vocational)

**No. of Seats: 60 in each course
Semesters)**

Duration: 3 years (6

Eligibility: Intermediate (10+2) with appropriate subjects or an equivalent.

B.Com. (Voc.)

(i) Advertising, Sales Promotion & Sales Management

(ii) Business Administration

(iii) Applied Business Economics

(iv) Rastra Gaurav

(v) Environmental Studies

B.Sc. (Voc.) Computer Application with:

(i) Instrumentation

(ii) Mathematics

(iii) Rastra Gaurav

(iv) Environmental Studies

B.Sc. (Voc.) Instrumentation with:

(i) Computer Application

(ii) Mathematics

- (iii) Rastra Gaurav
- (iv) Environmental Studies

B.Sc. (Voc.) Optical Instrumentation with:

- (i) Computer Application
- (ii) Mathematics
- (iii) Rastra Gaurav
- (iv) Environmental Studies

B.Com. (Vocational)

Course Structure:

Semester I

Subjects: Advertising

Course- 1 Marketing Communication- 1

Course –2 Retail Management

Business Administration

Course- 1 Principles of Management- I

Course –2 Materials Management and Stores Control

Applied Business Economics

Course- 1 Statistical Methods- I

Course –2 Business Economics- I

Semester II

Subjects: Advertising

Course- 3 Advertising

Course –4 Retail Market Strategy

Business Administration

Course- 3 Personal Management

Course –4 Business Law

Applied Business Economics

Course- 3 Statistical Methods- II

Course –4 Indian Financial System

Semester III

Subjects: Advertising

Course- 5 Advertising Media

Course –6 Merchandise Management

Business Administration

Course- 5 Financial Account

Course –6 Management Information System

Applied Business Economics

Course- 5 Business Economics

Course –6 Business Finance- I

Semester IV

Subjects: Advertising

Course- 7 Personal Selling and Salesmanship

Course –8 Retail Store Management

Business Administration

Course- 7 Commercial Arithmetic- I

Course –8 Commercial Arithmetic- II

Applied Business Economics

Course- 7 Emerging Issues of Industry

Course –8 Business Finance- II

Semester V

Subjects: Advertising

Course- 9 Management of the Sales force

Course –10 Legal and Ethical Issues in Retailing

Business Administration

Course- 9 Management Accounting

Course –10 Government & Business

Applied Business Economics

Course- 9 Research Methodological Management

Course –10 Public Finance

Semester VI

Subjects: Advertising

Course- 11 Major Project based on Entrepreneurship Development

Course –12 Entrepreneurship Development

Business Administration

Course- 11 Company Accounts

Course –12 Government of Business

Applied Business Economics

Course- 9 Statistical Methods- III

Course –10 Financial Management

B. Sc. (Vocational)

Course Structure:

Semester I

Subjects: Computer Application

Course- 1 Fundamentals of Computers

Course –2 Programming Concept using C

Lab I: Computer Application (Based on above subjects)

Instrumentation

Course- 1 Instrument Mechanism

Course –2 Metrology

Lab I: Mechanical Instrumentation Lab

Optical Instrumentation

Course- 1 Geometrical optics and optical components

Course –2 Wave Optics

Lab I: Basic experiments and measurements in optics

Mathematics

Course–1 Algebra, Matrices, Trigonometry

Course –2 Differential Calculus & Real Analysis

Semester II

Subjects: Computer Application

Course- 3 Operating System

Course –4 Data Structure

Lab II: Computer Application (Based on above subjects)

On Job Training - I

Instrumentation

Course- 3 Mechanical Measurements

Course –4 Basic Electronics

Lab II: Electronics Lab

On Job Training - I

Optical Instrumentation

Course- 3 Optical Workshop Technology

Course –4 Optomechanical Design & Tutorials

Lab II: Engineering Drawing and Mechanical /Basic optical workshop

Report: On the job training - I

Mathematics

Course- 3 Integral calculus and Differential equations

Course –4 Co-ordinate Geometry of Three Dimension and Vector Calculus
Foundation Course

Semester III

Subjects: Computer Application

Course- 5 DBMS- I (Data Base Management System- I)

Course –6 OOP's using 'C++'

Lab III: Computer Application (Based on above subjects)

Instrumentation

Course- 5 Digital Electronics

Course –6 Microprocessor

Lab III: Digital and Microprocessor Lab

Optical Instrumentation

Course- 5 Light source and illumination Engineering.

Course –6 Basic Optical Instruments

Lab III: Optical workshop and mini project

Mathematics

Course- 5 Mathematical Statistics

Course –6 Numerical Analysis

Semester IV

Subjects: Computer Application

Course- 7 DBMS- II(Data Base Management System- II)

Course –8 System Analysis & Design

Lab IV: Computer Application (Based on above subjects)

On Job Training - II

Instrumentation

Course- 7 Optical Instrumentation

Course –8 Vacuum Instrumentation

Lab IV: Optics and Vacuum lab

On Job Training - II

Optical Instrumentation

Course- 7 Projection and Photographic optics

Course –8 Ophthalmic Optics & Optical Metrology

Lab IV: Ophthalmic optics and Photographic Processing

Report: On the job training- II

Mathematics

Course- 7 Mechanics

Course –8 Complex Analysis and Integral Transforms

Semester V

Subjects: Computer Application

Course- 9 Computer Network

Course –10 VB6.0 (Visual Basic Programming)

Lab V: Computer Application (Based on above subjects)

Instrumentation

Course- 9 Transducers and Signal Conditioning

Course –10 Instrumentation Systems

Lab V: Transducers and Biomedical Lab

Optical Instrumentation

Course- 9 Lasers and Advanced Instrumentation

Course- 10 Fiber Optics and Optoelectronics Instrumentation

Lab V: Advance optical Instruments Lab

Mathematics

Course- 9 Hydro Dynamics and Partial Differential Equations

Course –10 Mathematical Programming

Semester VI

Subjects: Computer Application

Course- 11 Major Project

Course –12 Management Information System

Instrumentation

Course- 11 Major Project

Course –12 Entrepreneurship Development

Optical Instrumentation

Course- 11 Major Project

Course –12 Quality control Production planning, Prospects and Entrepreneurship Development

Mathematics

Course- 11 Project Viva

Course –12 Graph Theory
