



भास्कराचार्य कॉलेज ऑफ अप्लाइड साइंसेस

(दिल्ली विश्वविद्यालय)



BHASKARACHARYA COLLEGE OF APPLIED SCIENCES

(UNIVERSITY OF DELHI)

Star college status by DBT, Govt. of India

Accredited by NAAC with Grade 'A++'

Dated: February 3, 2024

Notice regarding INTERNAL ASSESSMENT

Students are hereby informed that the first component of the internal assessment would be in the form of compulsory home examination. The college will be conducting home examinations from this semester onwards for the UGCF batch (Students enrolled in I and II year presently).


Kindly note the schedule (for the courses with theory component) as mentioned in the following Table:

	09:00am-10:00am		10:30am-11:30am		12:30pm-01:30pm		02:00pm-03:00pm
18/03/2024	II Yr DSC1		I Yr DSC1		II Yr GE4/ DSE2		I Yr GE2
19/03/2024	II Yr DSC2		I Yr DSC2		II Yr VAC4		I Yr VAC2
20/03/2024	II Yr DSC3		I Yr DSC3		II Yr AEC4		I Yr AEC2

SEC will be held in the last scheduled class before the home examination.

Instructions for the students:

1. It is MANDATORY for the UGCF students to write these home examinations.
2. The marks scored will be one of the components of your internal assessment for respective course/ paper.
3. No repeat chances for this component would be permissible.
4. Students failing to appear will be assigned a zero for the respective component in the corresponding course/ paper.
5. Students are advised to prepare accordingly.
6. Contact your Teacher / Department to identify your DSC1/2/3 and also the syllabus for these exams.


Principal (Offg)



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**Notice to fill GE, SEC and VAC courses from II and IV semester students
and DSE choices from the IV semester students**

OPTION FORM

Students enrolled in the First year (2023-24) have to select the following three courses for their study during the II Semester and using the link: COLLEGE FORM LINK

- 1) One Generic Elective (GE) Course for II Semester
- 2) One Skill Enhancement Course (SEC) for II Semester and
- 3) One Value Addition Course (VAC) for II Semester

Students enrolled in the Second year (2023-24) have to select the following four courses for their study during the IV Semester and using two links.

Link 1 to be shared by respective departments : DEPARTMENT LINK

- 1) One Skill Enhancement Course (SEC) for IV Semester
- 2) One Value Addition Course (VAC) for IV Semester

Link 2 shared by the college : [COLLEGE FORM LINK](#)

- 3) One Generic Elective (GE) Course for IV Semester
- 4) One Discipline Specific Elective (DSE) Course for IV Semester



Kindly go through the [GE/SEC/VAC/DSE Norms](#) available before filling the GE/SEC/VAC/DSE forms. Some courses are having fixed GE, unless surrendered by the student in writing, as required for their higher studies.



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FIXED GE will be as follows and the concerned students need not fill the GE option in the form. However, they have to fill the SEC, VAC and DSE (for Semester IV ONLY) options.

- 1) B.Sc.(H) Botany II semester – Zoology
- 2) B.Sc.(H) Zoology II semester - Chemistry
3. B.Sc.(H) Electronics II semester - Mathematics
4. B.Sc.(H) Computer Science IV semester – Mathematics

As per directions of University of Delhi, **Students WILL NOT GET CREDITS for studying two different courses having similar content. Students are, therefore, strictly advised NOT TO SELECT COURSES that they have already studied in any of their previous semesters may be in elective or in core courses.**

STUDENTS ARE ADVISED TO TAKE GUIDANCE FROM THEIR DEPARTMENT TEACHERS BEFORE FILLING THEIR OPTION FORMS

The link to select their courses will remain activate up to January 11, 2024 5:00 pm only. A penalty of 5-10% of marks would be imposed in case of late submission. Since these are compulsory courses, the college reserve the right to allot these courses on its own in case no response or preference is submitted by the student within the stipulated time. Students are advised to screen through the syllabus and/ or subject opportunities etc. of different courses before filling the form and have their priority list ready.

Please carefully read IMPORTANT INSTRUCTIONS, DON'Ts and NOTES:



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IMPORTANT INSTRUCTIONS

- Login to your Gmail Account to fill the form.
- Select your GE (II and IV sem students) , SEC (II and IV sem students), VAC (II and IV sem students), DSE (ONLY IV semester students) subject carefully in your order of preference.
- A confirmation with “Edit Response” will be sent to your email (May go to SPAM, so check your SPAM folder).
- Generate the confirmation number as per the instruction for future reference.
- Get your confirmation number (after submission) on this link.
- Use “Edit Response” link received in your mail to change after submission. Confirmation number won't change and remain the same. Only the latest response will be considered in case of multiple responses.

DONT's

- Don't choose GE papers offered by your **own** department.
- Don't fill same subject in two or more preferences.
- Don't share the confirmation mail with anyone, s/he may overwrite your response with new records which will leave your response blank. The college will not be responsible for this.

NOTES

- Allotment of GE, SEC, VAC, SEC options will be based purely on Merit cum Preference basis as per the number of seats offered by a department concerned.
- Class XII result will be considered for GE-II, SEC-II and VAC-II (currently enrolled I year students) for deciding the merit of the student. In case of result on the CGPA basis, you are required to multiply the result by a factor of 9.5 to fill the result in percentage.
- I year (I and II Sem) result will be considered for GE-IV, SEC-IV, VAC-IV and DSE-IV (currently enrolled II year students) for deciding the merit of the student.
- No change will be allowed after the due date and time notified on the form.
- In case of false information or/and duplicate entry of the subject, the form is likely to be rejected. You may not get your preferred GE/SEC/VAC option.
- The college reserves the right to allot the required GE/Sec/VAC option on its own.



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- Lists and Link for respective syllabus for all courses (GE/VAC/SEC/DSE) are provided here in the following pages.

Syllabus of VAC and SEC courses as available on the University of Delhi website (Click LINKS)

Links for VAC Courses (as available on DU website):

- [LINK VAC1- 1a_ 26102022_ 24 VAC Courses](#)
- [LINK VAC2- 1b_ 22032023_ Appended Digital Empowerment](#)
- [LINK VAC3- 2_ 22032023_ VMM-2_ NCC-II_ VAC](#)
- [LINK VAC4- 3_ 19092023_ VMM 3 and 4_ NCC III_ VAC](#)

Link for the various SEC syllabus (as available on the DU website):

- [LINK SEC syllabus 1: 1_ 21092022_ SEC](#)
- [LINK SEC syllabus 2: 2_ 10032023_ 71_ Revised SEC Notification](#)
- [LINK SEC syllabus 3: 3_ 28032023_ SEC](#)
- [LINK SEC syllabus 4: 4_ 06072023_ Appendix-66_ SEC](#)
- [LINK SEC syllabus 5: 5_ 26092023_ NEP_ 101_ notification_ SEC](#)

List of available courses under each category along with the pre-requisites and syllabi are available in the following pages.

Syllabus for all the GE and DSE courses offered by the college are being enclosed in the respective lists of courses below.



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Department wise selected Pool of SEC courses for II Semester 2023-24

S. No.	Name of the Department	Mechanism I		Semester II
		Pool	Batch	13
1	Biomedical Science	B	2023-27	Basic Laboratory Techniques
		Pool	Batch	
2	Botany	B	2023-27	Isolation, Characterization and Quality check of Genomic DNA (Not for BMS students)
		Pool	Batch	
3	Chemistry	B	2023-27	Environmental Auditing
		Pool	Batch	
4	Computer Science	B	2023-27	Cyber sphere and security
		Pool	Batch	
5	Electronic Science	B	2023-27	IT Skills and Data Analysis -II
		Pool	Batch	
6	English	B	2023-27	Personality development and communication
		Pool	Batch	
7	Environmental Studies	B	2023-27	Environmenatal Auditing
		Pool	Batch	
8	Food Technology	B	2023-27	Dairy Processing (4P)
		Pool	Batch	
9	Instrumentation	B	2023-27	Introduction to Cloud computing (AWS)
		Pool	Batch	
10	Mathematics	B	2023-27	IT Skills and Data Analysis -II
		Pool	Batch	
11	Microbiology	B	2023-27	Basic Laboratory Techniques
		Pool	Batch	
12	Physical Education	B	2023-27	Yoga in Practice
		Pool	Batch	
13	Physics	B	2023-27	IT Skills and Data Analysis -II
		Pool	Batch	
14	Polymer Science	B	2023-27	Lab Testing and Quality Assurance (1T+2P)
		Pool	Batch	
15	Zoology	B	2023-27	Apiculture



Department wise selected Pool of VAC courses for II Semester 2023-24

S. No.	Name of the Department	Batch	Semester II
1	Biomedical Science	2023-27	The Art of Being Happy
2	Botany	2023-27	Ethics and Culture
3	Chemistry	2023-27	The Art of Being Happy
4	Computer Science	2023-27	The Art of Being Happy
5	Electronic Science	2023-27	Social and Emotional Learning
6	English	2023-27	Culture and Communication
7	Food Technology	2023-27	Gandhi and Education
8	Human Communication	2023-27	Social and Emotional Learning
9	Instrumentation	2023-27	Ethics and Culture
10	Mathematics	2023-27	Vedic Mathematics-II
11	Microbiology	2023-27	The Art of Being Happy
12	Physical Education	2023-27	Fit India
13	Physics	2023-27	Gandhi and Education
14	Polymer Science	2023-27	Ethics and Culture
15	Zoology	2023-27	Ecology and Literature



Department wise selected Pool of GE courses for II Semester 2023-24

S. No.	Name of the Department	Batch	Semester II	Pre-requisites for Sem II GE course	Link for the Syllabus
1	Biochemistry	2023-27	Techniques in Biochemistry	NIL	1_GE_Biochemistry_II sem_Techniques in Biochemistry.pdf
2	Biomedical Science	2023-27	Landmarks Discoveries in Science	NIL	GE_Biomedical Science_II sem_Landmarks.pdf
3	Botany	2023-27	Informatics and Statistics for Biology and Allied Sciences	NIL	1_GE_Botany_II sem_Informatics and statistics
4	Chemistry	2023-27	Role of Metals in medicines	NIL	1_GE_Chemistry_II sem_Role of Metals
5	Computer Science	2023-27	Data Analysis and Visualization using Python	A course in Python	GE_Comp Sc_II sem_Data Analysis and Visualization using Python.pdf
6	Electronic Science	2023-27	Digital System Design	NIL	GE_Electronic Science_II sem_Digital System Design.pdf
7	English	2023-27	Travel Writings	NIL	GE_English_II sem_Travel writings.pdf
9	Food Technology	2023-27	Chemistry of Food	NIL	GE_Food Technology_II sem_Chemistry of Food.pdf
10	Human Communication	2023-27	Health and Well Being	NIL	GE_Hum Comm_II sem_Health and wellbeing syllabus.pdf
11	Instrumentation	2023-27	Sensors and its Application	NIL	GE_Instrumentation_II sem_Sensor and its Application.pdf
12	Mathematics	2023-27	Introduction to Linear Algebra (Students of CS Department cannot opt it)	NIL	GE_Mathematics_II sem_Introduction to Linear Algebra.pdf
13	Microbiology	2023-27	Applications of Microbes in Biotechnology	NIL	GE_Microbiology_II sem_APPLICATIONS OF MICROBES IN BIOTECHNOLOGY.pdf
14	Physical Education	2023-27	Stress management	NIL	GE_Phy Edu_II sem_Stress Management.pdf
15	Physics	2023-27	Modern Physics	NIL	GE_Physics_II sem_Modern Physics.pdf
16	Polymer Science	2023-27	Biomedical Applications of Polymers	NIL	GE_Polymer Sc_II sem_Biomedical.pdf
17	Zoology	2023-27	Economic Zoology	NIL	GE_Zoology_II sem_Economic Botan.pdf



Department wise selected Pool of SEC courses for IV Semester 2023-24

S. No.	Name of the Department	Mechanism I		Semester IV
		Pool	Batch	
1	Biomedical Science	A	2022-26	Basic Analytical Techniques
		Pool	Batch	
2	Botany	A	2022-26	Mushroom Culture and Technology-II
		Pool	Batch	
3	Chemistry	A	2022-26	Basic analytical techniques
		Pool	Batch	
4	Computer Science	A	2022-26	Back End Web Design and Development
		Pool	Batch	
5	Electronic Science	A	2022-26	IT Skills and Data Analysis -II
		Pool	Batch	
6	English	A	2022-26	Personality development and communication
		Pool	Batch	
7	Food Technology	A	2022-26	Healthy and Sustainable Food Choices
		Pool	Batch	
8	Instrumentation	A	2022-26	Social Media Marketing
		Pool	Batch	
9	Microbiology	A	2022-26	Mushroom Culture and Technology-II
		Pool	Batch	
10	Physical Education	A	2022-26	Yoga in Practice
		Pool	Batch	
11	Physics	A	2022-26	Essentials of Python
		Pool	Batch	
12	Polymer Science	A	2022-26	Basic Analytical Techniques
		Pool	Batch	
13	Zoology	A	2022-26	Sericulture-I : Mulberry Silkworm Rearing



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Department wise selected Pool of VAC courses for IV Semester 2023-24

S. No.	Name of the Department	Batch	Semester IV
1	Biomedical Science	2022-26	Ayurveda and Nutrition
2	Botany	2022-26	Digital Empowerment
3	Chemistry	2022-26	Financial Literacy
4	Computer Science	2022-26	Digital Empowerment
5	Electronic Science	2022-26	THE ART OF BEING HAPPY
6	English	2022-26	Constitutional Values And Fundamental Duties
7	Food Technology	2022-26	THE ART OF BEING HAPPY
8	Instrumentation	2022-26	SWACHH BHARAT
9	Microbiology	2022-26	DIGITAL EMPOWERMENT
10	Physical Education	2022-26	SWACHH BHARAT
11	Physics	2022-26	SWACHH BHARAT
12	Polymer Science	2022-26	Ethics and Culture
13	Zoology	2022-26	DIGITAL EMPOWERMENT



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Department wise selected Pool of GE courses for IV Semester 2023-24

S. No.	Name of the Department	Batch	Semester IV	Pre-requisites for Sem IV GE course	Link for the Syllabus
1	Biomedical Science	2022-26	Health and Body Defence System (Students of Microbiology cannot opt it)	Basic knowledge of Biology and not offered for Microbiology	GE_Biomedical Science_IV sem_Health and Body
2	Botany	2022-26	Environmental Monitoring and Ecosystem Restoration	NIL	GE_Botany_IV sem_ Environ Monitor & Ecosystem Restoration
3	Chemistry	2022-26	Molecules of Life (Students of Biomedical Science and Microbiology cannot opt it)		GE_Chemistry_IV sem_Molecules of Life.pdf
4	Computer Science	2022-26	Data Structures using C++	A course in C++	GE_Computer Science_IV sem_Data Structures using C++.pdf
5	Electronic Science	2022-26	Instrumentation	Idea about basic circuit elements like R, C and L, Ammeter, Voltmeter	GE_Electronic_IV sem_Instrumentation
6	English	2022-26	Individual and Society	NIL	GE_English_IV sem_Individual and Society.pdf
7	Food Technology	2022-26	Food Microbiology and Food Safety (Students of Microbiology Department cannot opt it)	Not offered for Microbiology	
8	Human Communication	2022-26	Psychology at the work place	NIL	GE_Hum Commun_IV sem_Psychology at the workplace.pdf
9	Instrumentation	2022-26	Nuclear and Biomedical Instrumentation	Chemistry & Analog Electronics	GE_Instrumentation_IV sem_Nuclear and Biomedical Instrumentation
10	Mathematics	2022-26	Elements of Real Analysis	NIL	GE_Mathematics_IV sem Elements of Real Analysis.pdf
11	Microbiology	2022-26	Microbes in Environmental management	NIL	GE_Microbiology_IV sem_Microorganisms in Environmental Manangement.pdf
12	Physical Education	2022-26	Injury Prevention and Rehabilitation in Athletics	NIL	GE_Phy Ed_IV sem_Injury Prevention.pdf
13	Physics	2022-26	Nano Physics	Nil	GE_Physics_IV sem_Nano Physics.pdf
14	Polymer Science	2022-26	Polymers for Packaging (Students of FT Department cannot opt it)	NIL	GE_Polymer Sc_IV sem_Polymers of Packaging.pdf
15	Zoology	2022-26	Microbiota: Importance in Health and Disease	NIL	GE_Zoology_IV sem_Microbiota.pdf

Department wise selected Pool of DSE courses for II Semester 2023-24

S. No.	Name of the Department	Batch	Semester IV	Pre-requisites for Sem IV DSE course	Link for the Syllabus
1	Biomedical Science	2022-26	Medical Biochemistry	Basic knowledge of biology	DSE_Biomedical Science_IV sem_Medical Biochemistry.pdf
2	Botany	2022-26	Industrial and Environmental Microbiology	Nil	DSE_Botany_IV sem_Industrial and Environmental Microbiology
3	Chemistry	2022-26	Green Chemistry in Organic Synthesis	Basic knowledge of organic reactions	DSE_Chemistry_IV sem_Green Chemistry in Organic Synthesis
4	Computer Science	2022-26	Data Mining 1	Programming using Python	DSE_Computer Science_IV sem_Data Mining 1.pdf
5	Electronic Science	2022-26	Network Synthesis	Circuit Theory & Network Analysis (DSC-2, Sem I), Engineering Mathematics DSC (7, Sem III)/Signals and Systems (DSC-9, Sem III)	DSE_Electronic Science_IV sem_Network Synthesis.pdf
6	Food Technology	2022-26	Bakery Technology	Nil	DSE_Food Tech_IV sem_Bakery Technology.pdf
7	Instrumentation	2022-26	Virtual Instrumentation Techniques and Applications	Electronic Instruments & programming language	DSE_Instrumentation_IV sem_Virtual Instrumentation Technoques and applications.pdf
8	Microbiology	2022-26	Biosafety and Intellectual Property Rights	NIL	DSE_Microbiology_IV sem_Biosafety and Intellectual Property Rights
9	Physics	2022-26	Physics of Devices	Knowledge of basic electronics concepts.	DSE_Physics_IV sem_Physics of Devices.pdf
10	Polymer Science	2022-26	Engineering Drawing & Mold Design	NIL	DSE_Polymer Science_IV sem_Engineering Drawing & Mold Design.pdf
11	Zoology	2022-26	Parasitology	Basic understanding of parasitic animals	DSE_Zoology_IV sem_Parasitology.pdf



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