

DEPARTMENT OF BOTANICAL & ENVIRONMENTAL SCIENCES

TEACHING FACULTY

Professor

Ashwani Kumar Thukral, Ph.D. (BITS, Pilani)
(Re-employed)
Avinash Kaur Nagpal, Ph.D. (GNDU)
Renu Bhardwaj, Ph.D. (GNDU)
Saroj Arora, Ph.D. (GNDU)
Satwinderjeet Kaur, Ph.D. (GNDU) **Head**

Associate Professor

Amarjit Singh Soodan, Ph.D. (Jammu Univ.)
Adarsh Pal Vig, Ph.D. (GNDU)
Manpreet Singh Bhatti, Ph.D. (GNDU)

Assistant Professor

Rajinder Kaur, Ph.D. (GNDU)
Jatinder Kaur, Ph.D. (GNDU)

Programmer

Jyoti Kalyani, M.C.A.

Courses offered

- M.Sc. Botany
- M.Sc. Environmental Sciences
- Ph.D. Botany
- Ph.D. Environmental Sciences

Course Detail: M.Sc. Botany

Distribution of seats

Course Name	Duration (Years)	System	Total Seats	Reserved Categories			
				SC/ST	BC	RA	Others
M.Sc. Botany	2	Semester	50	12	3	4	6

Eligibility

B.Sc. degree (10+2+3 system of education) in any science subject (any combination) with at least 50% marks (45% for SC/ST) from GNDU or any other examination recognized equivalent thereto by the University.

Mode of Admission

Admission will be based on merit of the candidate in the Entrance Test to be conducted by the Department.

Dates

a)	Fee deposit date in State Bank of Patiala (Any Branch)	05.06.2017 to 27.06.2017
b)	Last Date for Online application Form submission	07.06.2017 to 30.06.2017
c)	Entrance Test	11.07.2017 at 09.00 a.m. - 10.00 a.m.
d)	Admission Counseling	14.07.2017

Venue: Lecture Theatre Complex, GNDU, Amritsar

Fee (Approximate) Rs. 24060/- (1st.Sem.) Rs.8500/- (2nd Sem.)

Syllabus for Entrance Test for admission to M.Sc. Botany

The Entrance Test will be based on multiple choice questions. The paper will be of 100 marks of one hour duration and there will be no negative marking. The question will be mainly based on subject of Botany from the syllabi of B.Sc. Semester I to VI of Guru Nanak Dev University Amritsar (Session 2016-17)

Course Detail: M.Sc. Environmental Sciences

Distribution of seats

Course Name	Duration (Years)	System	Total Seats	Reserved Categories			
				SC/ST	BC	RA	Others
M.Sc. Environmental Sciences	2	Semester	30	7	2	2	4

Eligibility

B.Sc. (Hons. Sch.)/ B.Sc. (Hons)/ B.Sc. degree in any science subject (any combination) with 50% marks (45% for SC/ST) of Guru Nanak Dev University, or equivalent examination.

Mode of Admission

Admission will be based on merit of the candidate in the Entrance Test to be conducted by the Department.

Dates

a)	Fee deposit date in State Bank of Patiala (Any Branch)	05.06.2017 to 27.06.2017
b)	Last Date for Online application Form submission	07.06.2017 to 30.06.2017
c)	Entrance Test	11.07.2017 at 04.30 p.m. - 05.30 p.m.
d)	Admission Counseling	14.07.2017

Venue: Lecture Theatre Complex, GNDU, Amritsar

Fee (Approximate) Rs. 24060/- (1st.Sem.) Rs.8500/- (2nd Sem.)

Syllabus for Entrance Test for admission to M.Sc. Environmental Sciences

The Entrance Test will be based on multiple choice questions. The paper will be of 100 marks for one hour duration and there will be no negative marking. The questions will be mainly based on general awareness, scientific aptitude and basic mathematics at the under graduate level.

Contact No. Coordinator/Head 0183-2451048 (Direct),
0183-2258802-9, 2450601-14 Ext. 3193
Email: gndu_botanical@hotmail.com

Special Features

The Department of Botanical and Environmental Sciences came into existence in 1990. The department is recognized by Department of Science & Technology (DST), Govt. of India under DST-FIST and University Grants Commission (UGC), New Delhi under DRS-SAP programme. The research activities of the department focus on the thrust areas of Botany (Antigenotoxicity, Plant Tissue Culture, Plant Physiology, Biodiversity, Natural Plant Products, Vermitechnology, Plant Databases etc.) and Environmental Sciences (Water, Air & Soil Monitoring, Environmental Engineering, Solid Waste Management, Biological Wastewater Treatment, Computer Applications in Ecology etc.). The faculty of the department runs research projects funded by UGC, CSIR, DBT, DST and ICMR. Several faculty members have exposure to foreign research laboratories like USA, UK under Fulbright Fellowship, Newton-Bhabha Fellowship etc. The Department has a Herbarium, Botanical Garden, Green House, Vermitechnology Unit and in house Computer Laboratory. The department has well equipped labs and facilities like Gas Chromatography-Mass Spectrophotometer (GC-MS), Atomic Absorption Spectrophotometer (AAS), Fluorescent Microscope, Ion-Chromatography, Thermo-cycler, ELISA Reader, UV-VIS Spectrophotometer, Gel Documentation System, Flame Photometer etc. to carry out research in the advanced frontiers of Botany and Environmental Sciences. So far, more than 75 doctorate degrees were awarded by the department and at present 60 full time Research Scholars are pursuing their Ph.D. degree. Majority of the Ph.D. scholars are getting external fellowship under UGC-Basic Scientific Research, UGC-Rajiv Gandhi National Fellowship, UGC-Maulana Azad National Fellowship and DST-INSPIRE in the department.