

**Institute of Applied Sciences & Humanities
Department of Biotechnology**

Agenda for 9th Meeting of Board of Studies

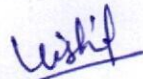
Date- 8-06-2019

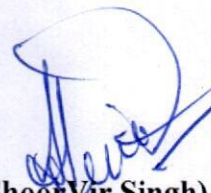
Time- 12:00 PM

Venue- Chamber of HOD Biotechnology, GLAU, Second Floor VI Block

Agenda Items-

1. Approval and Confirmation of the minutes of last meeting.
2. Approval of courses imparting employability/entrepreneurship/skill development in the B.Sc. (Hons.) Biotechnology, M.Sc. (Biotechnology) and M.Sc. (Microbiology & Immunology) programs.
3. To consider and approve introduction of CBCS (choice based credit system) in the II year of B.Sc. (Hons.) Biotechnology, M.Sc. (Biotechnology) and M.Sc. (Microbiology & Immunology) programs.
4. To consider and approve introduction of new courses in the B.Sc. (Hons.) Biotechnology, M.Sc. (Biotechnology) and M.Sc. (Microbiology & Immunology) programs.
5. Any agenda with permission of the chair.


(Dr. Vishal Khandelwal & Dr. Alok Bharadwaj)
Secretary


(Prof. Shoorvir Singh)
Chairman

GLA University
Institute of Applied Sciences & Humanities
(Department of Biotechnology)

Minutes of the 9th Meeting of Board of Studies

Date- 8/6/2019

Time- 12.00 PM

Venue- Chamber of HOD Biotechnology, GLAIPS, Second Floor VI Block

Members Present-

- Prof. S.V.Singh, HOD & Chairman BOS
- Dr. A.K.Bhatia, Prof., Dept. of Biotechnology, GLAU
- Dr. Naveen Kumar, Principal Scientist, NRCE, Hisar, Haryana
- Dr. Vishal Khandelwal, Assistant Professor, Member & Secretary BOS Biotechnology
- Dr. Alok Bhardwaj, Assistant Professor, Member & Secretary BOS Microbiology
- Dr. AnjnaGoel, Associate Professor, Member BOS
- Dr. Pradeep Choudhary, Assistant Professor, Member BOS
- Dr. Rama Sharma, Assistant Professor, Member BOS
- Mr. Aditya Saxena, Assistant Professor, Member BOS
- Mrs. Anuja Mishra, Assistant Professor, Member BOS
- Dr. Gaurav Pant, Assistant Professor, Member BOS
- Dr. Praveen Singh, Assistant Professor, Member BOS

Sub.: Meeting of Board of Studies B.Sc. (Hons.) Biotechnology, M.Sc. (Biotechnology) and M.Sc. Microbiology & Immunology).

Sir,

It is to inform you that the meeting of Board of Studies in the subject of B.Sc. (Hons.) Biotechnology and M.Sc. (Biotechnology) and M.Sc. (Microbiology & Immunology) has been fixed on 8th June, 2019 at 12:00 PM in the Chamber of undersigned.

The agenda in meeting will include:

- To consider and approve the minutes of last meeting of BOS.
- Approval of modified syllabi of B.Sc. (Hons.) Biotechnology, M.Sc. (Biotechnology) and M.Sc. (Microbiology & Immunology) programs as per CBCS pattern in second year.

- Approval of courses imparting employability/entrepreneurship/skill development in the B.Sc. (Hons.) Biotechnology, M.Sc. (Biotechnology) and M.Sc. (Microbiology & Immunology) programs.
- To consider and approve introduction of CBCS (choice based credit system) in the II year of B.Sc. (Hons.) Biotechnology, M.Sc. (Biotechnology) and M.Sc. (Microbiology & Immunology) programs.
- To consider and approve introduction of new courses in the B.Sc. (Hons.) Biotechnology, M.Sc. (Biotechnology) and M.Sc. (Microbiology & Immunology) programs.
- Any agenda with permission of chair.

Discussion & Suggestions:

Agenda No. I

Minutes of last meeting has been approved and confirmed

Agenda No. II:

Approval of courses having focus on employability/entrepreneurship/skill development in B.Sc. (Hons.) Biotechnology, M.Sc. (Biotechnology) and M.Sc. (Microbiology & Immunology).

Members considered and approve the same. Details enclosed as Annexure I.

Agenda No. III:

To consider and approve introduction of CBCS (choice based credit system) in the II year of B.Sc. (Hons.) Biotechnology, M.Sc. (Biotechnology) and M.Sc. (Microbiology & Immunology) programs.

Members considered and approve the same. Details enclosed as Annexure II.

Agenda No. IV:

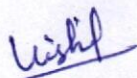
To consider and approve introduction of new courses in the B.Sc. (Hons.) Biotechnology, M.Sc. (Biotechnology) and M.Sc. (Microbiology & Immunology) programs.

On the basis of feedback obtained from various stakeholders (Student, Alumni, Faculty and Employer) department presented detail of new courses to be introduced. After thorough discussion BOS approved the same. Details enclosed as Annexure III.

Agenda No. V:

Any agenda with permission of the chair.

The meeting ended with the vote of thanks to the chair.



(Dr. Vishal Khandelwal & Dr. Alok Bharadwaj)
Secretary



(Prof. ShoorVir Singh)
Chairman

List of courses having focus on employability/ entrepreneurship/ skill development offered by the Department (2019-20)

S.No.	Name of the Course	Focus on Employability/ Entrepreneurship/ Skill development
1	Chemistry-I	Employability
2	Cell Biology	Employability
3	Biostatistics	Skill development
4	Chemistry-I Lab	Employability, Skill development
5	Cell Biology Lab	Skill development
6	Environmental Biotechnology Lab	Skill development
7	Biomolecules	Skill development
8	Chemistry-II	Employability
9	Environmental Science	Skill development
10	Computer Fundamentals and Applications	Skill development
11	Biomolecules Lab	Skill development
12	Chemistry-II Lab	Employability
13	Computer Application in Biotechnology Lab	Skill development
14	Molecular Biology	Employability, Skill development
15	Plant Science I	Skill development
16	Biochemistry	Employability
17	Stem Cell Technology	Entrepreneurship, Skill development
18	Bioinformatics	Employability, Skill development
19	Molecular Biology Lab	Skill development
20	Plant Science I Lab	Skill development
21	Biochemistry Lab	Employability, Skill development
22	Bioinformatics Lab	Skill development
23	Instrumentation and Bio - Analytical Techniques	Skill development
24	Microbiology	Employability, Skill development
25	Immunology	Employability
26	Drug Discovery & Development	Employability, Skill development
27	Clinical Microbiology	Employability, Skill development
28	Instrumentation and Bio - Analytical Techniques Lab	Employability, Skill development
29	Microbiology Lab	Employability, Skill development
30	Immunology Lab	Employability
31	Clinical Microbiology Lab	Employability, Skill development
32	Biochemistry	Employability
33	Plant Biotechnology	Employability
34	Food and Industrial Biotechnology	Employability, Skill development
35	Immunology	Employability
36	Recombinant DNA Technology (RDT)	Employability, Skill development
37	Biochemistry Lab	Employability, Skill development
38	Plant Biotechnology & Food and Industrial Biotechnology Lab	Employability, Skill development
39	Immunology Lab	Employability, Skill development
40	Recombinant DNA Technology (RDT) Lab	Employability, Skill development
41	Animal Biotechnology	Employability
42	Genomics and Proteomics	Employability
43	Role of Biotechnology in Forensic science	Employability, Skill development
44	Enzymology	Employability

45	Clinical Microbiology	Employability, Skill development
46	Stem cell Technology	Entrepreneurship, Skill development
47	Drug Discovery & Development	Entrepreneurship, Skill development
48	IPR, Biosafety and Bioethics	Entrepreneurship, Skill development
49	Animal Biotechnology Lab	Employability
50	Genomics and Proteomics Lab	Employability
51	Role of Biotechnology in Forensic science Lab	Employability, Skill development
52	Enzymology Lab	Employability
53	Clinical Microbiology Lab	Employability, Skill development
54	Project Training	Skill development
55	Advanced Biostatistics	Skill development
56	Biochemistry	Employability
57	Bioinformatics	Employability, Skill development
58	Biophysical Techniques	Employability, Skill development
59	Biostatistics & Biochemistry Lab	Employability, Skill development
60	Bioinformatics Lab	Employability, Skill development
61	Biophysical Techniques & Cell Biology Lab	Employability, Skill development
62	Microbiology	Employability
63	Immunology	Employability
64	Genetics & Molecular Biology	Employability, Skill development
65	Environmental Biotechnology	Employability, Skill development
66	Microbiology Lab	Employability, Skill development
67	Immunology Lab	Employability, Skill development
68	Genetic and Molecular Biology Lab	Employability, Skill development
69	Animal Biotechnology	Employability
70	Bioprocess Engineering & Fermentation Technology	Employability
71	RDT, Genomics & Proteomics	Employability, Skill development
72	Plant Biotechnology	Employability, Skill development
73	Nanobiotechnology	Employability
74	Enzyme Technology	Employability
75	Clinical Research in Medicinal Plants	Entrepreneurship, Skill development
76	Clinical Immunology	Entrepreneurship, Skill development
77	Nutritional Biochemistry	Employability, Skill development
78	Drug Discovery and Development	Entrepreneurship, Skill development
79	IPR, Patent, Trademarks & Bioethics	Entrepreneurship, Skill development
80	Plant Biotechnology and Bioprocess Engineering & Fermentation Technology Lab	Employability, Skill development
81	Animal Biotechnology, RDT and Genomics & Proteomics Lab	Employability, Skill development
82	Nanobiotechnology Lab	Employability, Skill development
83	Enzyme Technology Lab	Employability, Skill development
84	Clinical Research in Medicinal Plants Lab	Entrepreneurship, Skill development
85	Clinical Immunology Lab	Entrepreneurship, Skill development
86	Project Work	Skill development
87	General Microbiology	Skill development
88	General Microbiology & Biostatistics Lab	Employability, Skill development
89	Biochemistry & Biophysical Techniques Lab	Employability, Skill development
90	Systemic Bacteriology and Mycology	Employability
91	Systemic Virology	Employability
92	Bacteriology & Mycology Lab	Employability, Skill development

93	Genetics, Molecular Biology and Virology Lab	Employability, Skill development
94	Fermentation Technology and Industrial Microbiology	Entrepreneurship, Skill development
95	Food, Dairy and Agricultural Microbiology	Employability, Skill development
96	Advanced Immunology	Employability
97	Environmental Microbiology	Employability, Skill development
98	Animal Cell Culture	Employability
99	Fermentation Technology, RDT & Genomics & Proteomics Lab	Entrepreneurship, Skill development
100	Food, Dairy, Agricultural Microbiology & Advanced Immunology Lab	Employability, Skill development
101	Environmental Microbiology Lab	Employability, Skill development
102	Animal Cell Culture Lab	Entrepreneurship, Skill development
103	Project Work	Skill development
104	Research Methodology	Employability, Skill development
105	Bioinformatics & Instrumentation	Employability, Skill development
106	Biological Chemistry	Employability

Dr. S.V. Singh
Professor & Head, Dept. of Biotechnology
GLA University, Mathura (U.P.), INDIA