



# Sant Baba Bhag Singh UNIVERSITY

Village: Khiala: PO: Padhiana, Distt: Jalandhar 144030  
Website: www.sbbsuniversity.ac.in Phone: 0181-2711163 Fax: 0181-2711555

## DEPARTMENT OF LIFE SCIENCES AND ALLIED HEALTH SCIENCES

Ref. No. SBBSU/LS/2021/1852

Dated: 26/07/2021

**Subject: Proceedings of Departmental Curriculum Development Committee (CDC) Meeting for revision of curriculum of various programmes of Department of Life Sciences and Allied Health Sciences**

The Curriculum development committee meeting of Department of Life Sciences and Allied Health Sciences was organised on 26th July, 2021 in the Office of C.O.D at 2:30 pm to review the curriculum of all programmes running in the Department.

S.No	Name of Faculty	Designation	Position	Signature
1	Dr Vikas	Dean UIS	Chairperson	
2	Dr. Shweta Singh	Coordinator, Assistant Professor	Member	
3	Dr Aksh Sharma	Assistant Professor	Member	
4	Dr Amrita	Assistant Professor	Member	
5	Dr. Vivek Sharma	Assistant Professor	Member	

### **Agenda points for the Meeting:**

- Revision in course curriculum of various programmes as per stakeholders' feedback.
- Proposal of Experts' panel for BoS for different disciplines and finalise the schedule for the BoS meeting.

Sr. No.	Agenda	Decision
1	Feedback of stakeholders	Discussion of curriculum based on the analysis report of feedback from various stakeholders (Students, Teachers, Employers, Alumni).
2	Revision in course curriculum	2.1 Based on the feedback on curriculum by various stakeholders, and recommendations of IQAC, some aspects in course curriculum need to be revised. 2.2 There is a need of incorporation of CBCS system in the programmes B.Sc MLS and B.Sc Radiology. 2.3 Syllabus for PG programmes could be revised as per current needs of industry, technological aspects and keeping in mind the competitive examination. 2.4 The suggestions of the subject teachers regarding syllabus revision to be implemented in next academic year and approved through Board of Studies.
3	BOS meeting	3.1 The Meeting of Board of studies for approval of revision of syllabus have to be conducted before the commencement of next academic session. Expert panel for different disciplines viz: B.Sc MLS, B.Sc Radiology, M.Sc. Medical Microbiology & M.Sc. (Hons.) Zoology have been discussed and finalized. 3.2 The date of BoS will be finalised based of the approval and availability of Experts.

(COD, Life Sciences & Allied Health Sciences)

*Forwarded to Dean Academics  
for necessary action please.*  
*BoS meeting may kindly  
be conducted at the  
earliest.*





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## Department of Life Sciences & Allied Health Sciences

Ref. No: SBBSU/LS/2021/191

Date: 02/08/2021

To  
The Vice Chancellor  
SBBS University,  
Jalandhar

**Subject: For the approval of the expert for Board of Studies Meeting (BOS) of B.Sc. Medical Radiology and Imaging Technology.**

Respected Sir,

It is submitted that Department of Life Sciences & Allied Health Sciences have to conduct BOS for B.Sc. Medical Radiology and Imaging Technology through online. Kindly approve the subject Expert from the following panel.

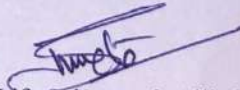
S.No	Name of Expert	Designation	Institute	Phone No. and e-mail
1	Mr. Navreet Boora	Assistant Professor	Mahavir Teerthanker University, Moradabad	9991350210, navreetparamedical@tmu.ac.in
2	Ms. Jyoti	Programme Director (Radiology)	Ansal University, Gurgram (HR)	9871092017 jyoti1@sushantuniversity.edu.in

13/8/2021  
12m.

Kindly approve the Honorarium for the subject expert.

Honorarium to Subject Expert (BOS)	2000/-
------------------------------------	--------

Thanking you in anticipation

  
COD Life Sciences & Allied Health sciences  
University Institute of Sciences

Recommended & Forwarded to Dean  
Academics

May be considered as per  
and nominated as per  
rules & regulations  
forwarded to Hon'ble  
VC sir, please.

Sant Navreet  
Boora  
is approved  
04/8/21

of SBBSU, please.  
VC sir, please.  
(145)  
03.08.2021



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Ref. No. SBBSU/PA/21/134

Date: 11/08/2021

To

Mr. Navreet Boora  
Assistant Professor  
Department of Radiology,  
Teerthanker University, Moradabad

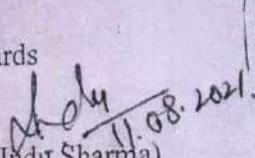
**Subject: Invitation for Board of Studies Meeting in the Department of Life Science & Allied Health Science, SBBSU**

Respected Sir,

This is to bring to your kind notice that the meeting of Board of Studies (BOS) of Department of Life Science & Allied Health Science (University Institute of Sciences), SBBSU, Khiala, Jalandhar is going to be held on **13<sup>th</sup> August, 2021 (Friday)** through online mode. You have been nominated as an external subject expert for the BOS meeting by the competent authority. I feel honour to invite you as subject expert for the approval of Course Schemes and Syllabus of B.Sc. Medical Radiology & Imaging Technology. Your experience and expertise will be of great help to the Department and University.

Due to the uncertain pandemic COVID-19 situation and advisories of State/Centre Govt. as well as UGC/MHRD, the BOS meeting will be conducting through online mode. Therefore you are requested to kindly spare your valuable time to participate in the same on **13/08/2021 (Friday)** at 1:00 pm.

Regards

  
(Dr. Indu Sharma)  
Dean Academics





# Sant Baba Bhag Singh UNIVERSITY

Village: Khiala: PO: Padhiana, Distt: Jalandhar 144030

Website: www.sbbsuniversity.ac.in Phone: 0181-2711163 Fax: 0181-2711555

## Department of Life Sciences & Allied Health Sciences

Ref. No: *SBBSU/LS/2021/194*

Date: 12/08/2021

### MEETING CIRCULAR

It is my pleasure to inform you that you have been appointed as a member of Board of Studies (BOS) meeting of following courses B.Sc Medical Radiology & Imaging Technology offered by Life Sciences & Allied Health Science.

List of the BOS members is given below:

BoS meeting in Online Mode:					
S.No.	Name	Subject	Designation	Institute	Position
1	Dr. Indu Sharma	Botany	Dean Academics	SBBSU	Chairperson
2	Dr. Vikas Sharma	Agriculture	Dean UIS	UIS	Member
3	Mr. Navreet Boora	Radiologist	Assistant Professor	Department of Radiology, Teerthankar University, Moradabad	Expert Member
4	Dr. Shweta Singh	Microbiology	Assistant Professor Coordinator, Life Sciences & Allied Health Sciences,	UIS	Member
5	Dr. Aksh sharma	Biotechnology	Assistant Professor	UIS	Internal Member
6	Mrs. Sonia Sharma	Medical Lab Science (Microbiology)	Assistant Professor	UIS	Internal Member
7	Dr. Amrita	Zoology	Assistant Professor	UIS	Internal Member
8	Dr Vijay Dhir (Dean UIET) / His representative				Member
9	Dr Aneet Kumar (Dean UIE) /His representative				Member
10	Dr. Seema Garg (Dean UIL, UICM)/ Her representative				Member





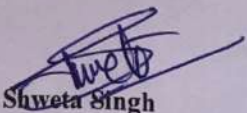
# Sant Baba Bhag Singh UNIVERSITY

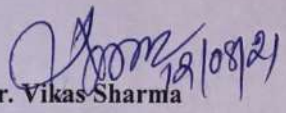
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You are requested to attend the meeting on 13/08/2021 (Friday) at 1:00 pm onwards through online mode. All are requested to join online as per the link details provided through mail. The detailed agenda of the meeting will be as follow:

1. Discussion and approval of Course schemes & Syllabus of programme B.Sc Medical Radiology & Imaging Technology for the admission 2021 onwards.
2. Incorporation and revision of vision, mission, PO, PEO, PSO and CO into the syllabus.
3. Amendments of any suggestions by the experts regarding scheme and syllabus.

  
Dr Shweta Singh  
Coordinator (Life Science & Allied Health Science)

  
Dr. Vikas Sharma  
Dean UIS, SBBSU





# Sant Baba Bhag Singh University

(University Established under Punjab Act No. 6 of 2015)  
Vill. Khiala, P.O. Padhiana, Dist. Jalandhar, Punjab, INDIA

## External Expert Review Performa For Board of Studies

Name of External Expert :.....NAVREET.....  
Discipline :.....Residial Imaging Techniques, Perimedical.....  
Designation :.....Assistant Professor.....  
Organization (Name & Address) :.....Teerthanker Mahaveer University  
Mazodgaon, U.P., PIN Code:- 244001.....  
Contact No. :.....+91- 9991350210.....  
E-Mail ID :.....navreet.perimedical@tmu.ac.in.....  
Date of Visit/Meeting :.....13/08/2021.....

### Reviewer's Comments :-

- B.SC.MRIT Syllabus SBB SU
1. Syllabus is well designed. It meets all the standards of MHA & FW and UGC.
  2. No any further changes requires.
  3. OKK from my side.

❖ Use extra sheet(s) if required.

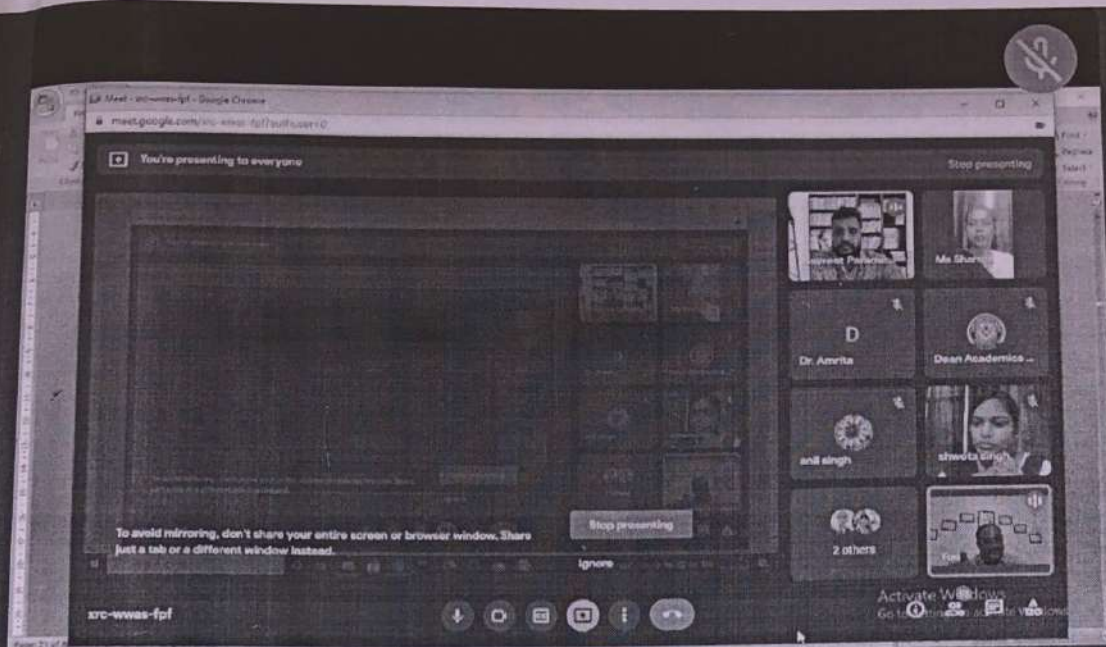
Navreet  
Signature

Date: 13/08/2021

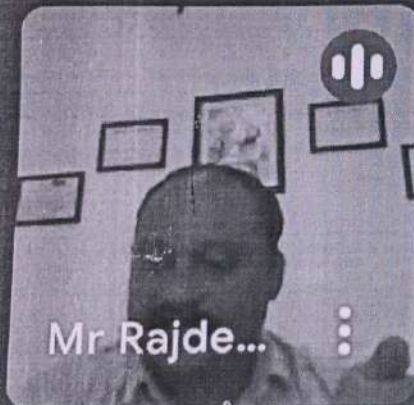
[Signature]  
Coordinator/HOD's/Dean's

[Signature] 14/08/2021  
Dean Academics

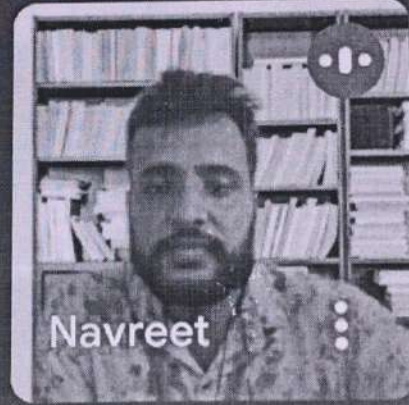




Mr Rajdeep is presenting



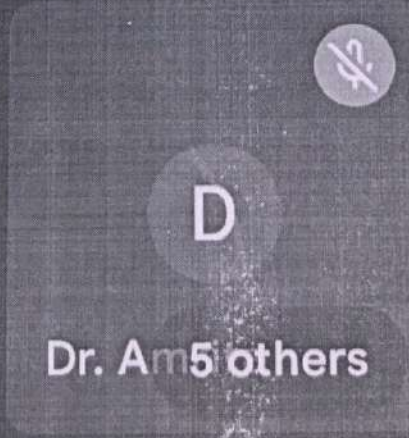
Mr Rajde...



Navreet



You



Dr. Am5 others





# SANT BABA BHAG SINGH UNIVERSITY

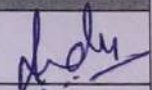
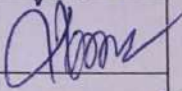

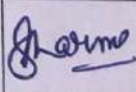
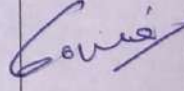
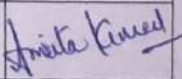
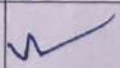
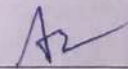

## University Institute of Sciences (UIS)

Ref. No: SBBSU/LS/2021/198

Dated: 24/8/2021

**Subject: Proceedings of the meeting of Board of Studies (BoS) of Programme B.Sc. Medical Radiology and Imaging Technology, Department of Life Sciences and Allied Health Sciences.**

The meeting of members of BoS was held on **13/08/2021, 1:00 pm** onwards, at **Department of Life Sciences & Allied Health Sciences** through blended (Online/Offline) mode. **Mr. Navreet Boora** was the external expert present through Online mode. The following members were present and approved the points discussed below.

S.No	Name	Subject	Designation	Institute	Position	Signature
1	Dr Indu Sharma	Botany	Dean Academics	SBBSU	Chairperson	
2	Dr Vikas Sharma	Agriculture	Dean UIS	UIS	Member	
3	Mr. Navreet Boora	Radiology	Assistant Professor	Department of Radiology, Teerthankar University, Moradabad	Expert Member	Online mode
4	Dr Shweta Singh	Microbiology	Assistant Professor, Coordinator Life Sciences & Allied Health Sciences	UIS	Member	
5	Dr Aksh Sharma	Biotechnology	Assistant Professor	UIS	Internal Member	
6	Mrs. Sonia Sharma	Medical Lab Science (Microbiology)	Assistant Professor	UIS	Internal Member	
7	Dr Amrita	Zoology	Assistant Professor	UIS	Internal Member	
8	Dr Vijay Dhir (Dean UIET)/ His Representative				Member	
9	Dr Aneet Kumar (Dean UIE)/ His Representative				Member	
10	Dr Seema Garg (Dean UIL, UICM) His Representative				Member	



The following Agenda Items were discussed and approved in this BoS meeting:

1. Approval of course scheme and syllabus of B.Sc. Medical Radiology and Imaging Technology (RIT) having Programme Code UG028 for Batch 2021 onwards as per the CBCS system under the benchmark of Ministry of Health and Family Welfare, Government of India.
2. Approval of revised Programme Outcomes (POs), Programme Specific Outcomes
3. (PSOs) and Course Outcomes (COs) in the curriculum of B.Sc Medical Radiology and Imaging Technology.
4. Approval and Incorporation of Electives in the curriculum of B.Sc Medical Radiology and Imaging Technology as per feedback of stakeholders.
5. Incorporation of amendments suggested by the experts regarding scheme and syllabus.

#### Details of Proceedings of BoS Meeting

S.N o.	Program me Name/ Program me Code	Course Code	Course Name	Remarks/Observations by Experts/Stakeholders/BOS Committee members	Action Taken (Batch 2021 onwards)
1	B.Sc RIT/UG0 23	RDL 101/RDL105	Human Anatomy & Physiology I	Course needs to be merged in single course.	Incorporated in the curriculum. Course renamed human anatomy and Physiology-I with code RDL101.
2	B.Sc RIT/UG0 23	RDL109	General Bio-chemistry	Course needs to be removed as per professional standards in Radiology	Incorporated in the curriculum and replacement the older course with conventional Radiography and equipment (RDL109).
3	B.Sc RIT/UG0 23	RDL113	General Physics	Need of change in course content and name as per radiology requirements and standards.	Incorporated in the curriculum, inclusion of Basic Physics and Radiological Physics (RDL105).

4	B.Sc RIT/UG0 23	ENG101	General English-I	Course needs to be renamed as per MoHFW guidelines.	Incorporated in the curriculum. Renamed with Communication Skill-I (ENG121)
5	B.Sc RIT/UG0 23	RDL106	Radiation Physics	Course already added in first semester and need to introduce new radiology course in place of it as per program standard	Incorporated in the curriculum with Radiology course Clinical Radiography positioning-I.
6	B.Sc RIT/UG0 23	RDL112	Conventional Radiography & Equipment	Course need to be shift in First semester	Incorporated in the curriculum with code RDL109.
7	B.Sc RIT/UG0 23	RDL108	Radiographic and Image Processing Techniques	Course needs to be renamed as per MoHFW guidelines	Incorporated in the curriculum. Course renamed with Modern Radiological Imaging Equipment including physics RDL110.
8	B.Sc RIT/UG0 23	ENG102	General English-II	Course needs to be renamed as per MoHFW guidelines	Incorporated in the curriculum. Course renamed with Communication Skill-II with code ENG114
9	B.Sc RIT/UG0 23	RDL201	Basic Pathology	Course needs to be discontinued as per standard of Radiology program	Incorporated in the curriculum. Course removed and change with Physics of newer imaging modalities with same code RDL201.
10	B.Sc RIT/UG0 23	RDL203	Research Methodology and biostatistics	Course needs to be shift from third semester to 5 <sup>th</sup> semester	Incorporated in the curriculum. Course shifted to 5 <sup>th</sup> semester with code RDL311.
11	B.Sc RIT/UG0 23	EVS001	Environmental Science	Course needs to be shift from 4 <sup>th</sup> to 3 <sup>rd</sup> semester	Incorporated in the curriculum and course shifted to 3 <sup>rd</sup> semester



					with code (EVS001)
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\* Course name /Course contents/Course credits are according to the standard of Ministry of Health and Family Welfare, India and duly approved.

\* Course codes revised as per university standards.

**Meeting ended with the thanks by Dean Academics.**

Thank you in anticipation

In-Charge/Coordinator/Head of the Department

Dean Institute



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## DEPARTMENT OF LIFE SCIENCES AND ALLIED HEALTH SCIENCES

Ref. No. SBB.SU/LS/2021/185a

Dated: 26/07/2021

**Subject: Proceedings of Departmental Curriculum Development Committee (CDC)  
Meeting for revision of curriculum of various programmes of Department of Life  
Sciences and Allied Health Sciences**

The Curriculum development committee meeting of Department of Life Sciences and Allied Health Sciences was organised on 26th July, 2021 in the Office of C.O.D at 2:30 pm to review the curriculum of all programmes running in the Department.

S.No	Name of Faculty	Designation	Position	Signature
1	Dr Vikas	Dean UIS	Chairperson	
2	Dr. Shweta Singh	Coordinator, Assistant Professor	Member	
3	Dr Aksh Sharma	Assistant Professor	Member	
4	Dr Amrita	Assistant Professor	Member	
5	Dr. Vivek Sharma	Assistant Professor	Member	

### **Agenda points for the Meeting:**

- Revision in course curriculum of various programmes as per stakeholders' feedback.
- Proposal of Experts' panel for BoS for different disciplines and finalise the schedule for the BoS meeting.

Sr. No.	Agenda	Decision
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2	Revision in course curriculum	2.1 Based on the feedback on curriculum by various stakeholders, and recommendations of IQAC, some aspects in course curriculum need to be revised. 2.2 There is a need of incorporation of CBCS system in the programmes B.Sc MLS and B.Sc Radiology. 2.3 Syllabus for PG programmes could be revised as per current needs of industry, technological aspects and keeping in mind the competitive examination. 2.4 The suggestions of the subject teachers regarding syllabus revision to be implemented in next academic year and approved through Board of Studies.
3	BOS meeting	3.1 The Meeting of Board of studies for approval of revision of syllabus have to be conducted before the commencement of next academic session. Expert panel for different disciplines viz: B.Sc MLS, B.Sc Radiology, M.Sc. Medical Microbiology & M.Sc. (Hons.) Zoology have been discussed and finalized. 3.2 The date of BoS will be finalised based of the approval and availability of Experts.

(COD, Life Sciences & Allied Health Sciences)

*Forwarded to Dean Academics for  
necessary action please.*  
*BoS meeting may kindly  
be conducted at  
the earliest.*





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## DEPARTMENT OF LIFE SCIENCES AND ALLIED HEALTH SCIENCES

Ref. No. SBB.SU/LS/2021/185a

Dated: 26/07/2021

**Subject: Proceedings of Departmental Curriculum Development Committee (CDC) Meeting for revision of curriculum of various programmes of Department of Life Sciences and Allied Health Sciences**

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(COD, Life Sciences & Allied Health Sciences)

*Forwarded to Dean Academics for necessary action please.*  
*BoS meeting may kindly be conducted the earliest at*





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## Department of Life Sciences & Allied Health Sciences

Ref. No: SBBSU/LS/2021/190

Date: 02/08/2021

To

The Vice Chancellor

SBBS University,

Jalandhar

**Subject: For the approval of the expert for Board of Studies Meeting (BOS) of B.Sc. MLS & M.Sc. Medical Microbiology.**

Respected Sir,

It is submitted that Department of Life Sciences & Allied Health Sciences have to conduct BOS for B.Sc. Medical Lab Sciences and M.Sc. Medical Microbiology through online. Kindly approve the subject Expert from the following panel.

S.No	Name of Expert	Designation	Institute	Phone No. and e-mail
1	Dr. Shalabh Jauari	Associate professor	Department of Microbiology, Govt. Doon Medical College, Dehradun.	9456422281. drs.jauhari09@gmail.com
2	Ms. Nidhi	Assistant Professor, HOD Medical Science Department	Innocent Heart Group of Institution, Jalandhar	9646062659 nidhisharmaighi@gmail.com
3	Dr. Surabi	Pathologist	Govt. Medical College, Amritsar	9592224567 choudhary.surabhi92@gmail.com
4	Dr. Taranjeet Kanda	Pathologist, Lal Path lab	Lal Path lab, Doraha	7009690998 taranjeetkanda@gmail.com

Kindly approve the Honorarium for the subject expert.

Honorarium to Subject Expert (BOS)

2000/-

Thanking you in anticipation

COD Life Sciences & Allied Health sciences

*Serial No 1 Dr. Shalabh Jauari is approved*  
*10/8/21*  
*Recommended & forwarded to Dean Academics*  
*may be considered as per rules and regulations*  
*14/8/21*  
*rules and regulations of SBBSU, please.*  
*14/8/21*  
*02.08.2021*





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Ref. No. SBBSU/DA/21/135

Date: 11/08/2021

To

Dr. Shalabh Jauhari  
Associate Professor  
Department of Microbiology,  
Doon Medical College, Dehradun

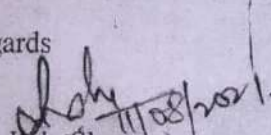
**Subject: Invitation for Board of Studies Meeting in the Department of Life Science & Allied Health Science, SBBSU**

Respected Sir,

This is to bring to your kind notice that the meeting of Board of Studies (BOS) of Department of Life Science & Allied Health Science (University Institute of Sciences), SBBSU, Khiala, Jalandhar is going to be held on **13<sup>th</sup> August, 2021 (Friday)** through online mode. You have been nominated as an external subject expert for the BOS meeting by the competent authority. I feel honour to invite you as subject expert for the approval of Course Schemes and Syllabus of B.Sc. Medical Lab Science & M.Sc. Medical Microbiology. Your experience and expertise will be of great help to the Department and University.

Due to the uncertain pandemic COVID-19 situation and advisories of State/Centre Govt. as well as UGC/MHRD, the BOS meeting will be conducting through online mode. Therefore you are requested to kindly spare your valuable time to participate in the same on **13/08/2021 (Friday)** at **11:00 am**.

Regards

  
(Dr. Indu Sharma)  
Dean Academics



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## Department of Life Sciences & Allied Health Sciences

Ref. No: SBBSU/LS/2021/193

Date: 12/08/2021

### MEETING CIRCULAR

It is my pleasure to inform you that you have been appointed as a member of Board of Studies (BOS) meeting of following courses B.Sc Medical Lab Science, M.Sc Medical Microbiology offered by Life Sciences & Allied Health Science.

List of the BOS members is given below:

BoS meeting in Online Mode:					
S.No.	Name	Subject	Designation	Institute	Position
1	Dr. Indu Sharma	Botany	Dean Academics	SBBSU	Chairperson
2	Dr. Vikas Sharma	Agriculture	Dean UIS	UIS	Member
3	Dr. Shalabh Jauhari	Microbiology	Associate Professor	Department of Microbiology, Medical College, Dehradun	Expert Member
4	Dr. Shweta Singh	Microbiology	Assistant Professor Coordinator, Life Sciences & Allied Health Sciences,	UIS	Member
5	Dr. Aksh sharma	Biotechnology	Assistant Professor	UIS	Internal Member
6	Mrs. Sonia Sharma	Medical Lab Science (Microbiology)	Assistant Professor	UIS	Internal Member
7	Ms Satvir Kaur	Medical Lab Science (Microbiology)	Assistant Professor	UIS	Internal Member
8	Dr Vijay Dhir (Dean UIET) / His representative				Member
9	Dr Aneet Kumar (Dean UIE) /His representative				Member
10	Dr. Seema Garg (Dean UIL, UICM)/ Her representative				Member





# Sant Baba Bhag Singh UNIVERSITY

Village: Khiala: PO: Padhiana, Distt: Jalandhar 144030

Website: [www.sbbsuniversity.ac.in](http://www.sbbsuniversity.ac.in) Phone: 0181-2711163 Fax: 0181-2711555

You are requested to attend the meeting on 13/08/2021 (Friday) at 11:00 am onwards through online mode. All are requested to join online as per the link details provided through mail.

The detailed agenda of the meeting will be as follow:

1. Discussion and approval of Course schemes & Syllabus of programme B.Sc Medical Lab Science for the admission 2021 onwards in accordance to the CBCS system
2. Discussion and approval of Course schemes & Syllabus of programme M.Sc. Medical Microbiology.
3. Incorporation and revision of vision, mission, PO, PEO, PSO and CO into the syllabus.
4. Discussion on curriculum aspects on the basis of Feedback of stakeholders.
5. Amendments of any suggestions by the experts regarding scheme and syllabus.

**Dr. Shweta Singh**  
Coordinator (Life Science & Allied Health Science)

**Dr. Vikas Sharma**  
Dean UIS, SBBSU



# Sant Baba Bhag Singh University

(University Established under Punjab Act No 6 of 2015)  
Vill. Khiala, P.O. Padhiana, Dist Jalandhar, Punjab, INDIA

## External Expert Review Performa For Board of Studies

Name of External Expert : Dr. Shalabh Jauhari  
Discipline : Microbiology  
Designation : Associate Professor  
Organization (Name & Address) : Government Doon Medical College,  
Dehradun  
Contact No. : 9673991275, 9456422281  
E-Mail ID : drs.jauhari.09@gmail.com  
Date of Visit/Meeting : 13<sup>th</sup> AUGUST 2021  
Expert Member for Board of Studies

### Reviewer's Comments :-

B.Sc M.L.S & MSc Medical Microbiology

Both the courses have been broadly covered in the curriculum with specified timeline. Portion covering the statistical part needs to be readjusted so as to allow time for skilled activities.

Rest is OK with well explained & broad coverage of total course material.

I wish all the best to University & its members to go ahead with both the courses.

❖ Use extra sheet(s) if required.

Dr. Shalabh Jauhari  
Associate Professor  
Department of Microbiology  
Govt. Doon Medical College  
Dehradun (Uttarakhand)

Signature

Date 13/08/2021

Coordinator/HOD's/Dean's

14.08.2021  
Dean Academics



You're presenting to everyone Stop presenting

**Course Scheme**  
**M.Sc. Medical Microbiology (Semester-I-IV)**  
**SEMESTER I**

**I. Theory Subjects**

S.No	Sr. Code	Subject Name	Credits (1-1)	Credits (2-2)	Total Credits	Total Grade	Grade	Dist
1	MM01	Microbiology	4	4	8	4	4	4
2	MM02	Immunology	4	4	8	4	4	4
3	MM03	Medical Microbiology	4	4	8	4	4	4
4	MM04	Microbiology	4	4	8	4	4	4
5	MM05	Microbiology	4	4	8	4	4	4
6	MM06	Microbiology	4	4	8	4	4	4
7	MM07	Microbiology	4	4	8	4	4	4
8	MM08	Microbiology	4	4	8	4	4	4
9	MM09	Microbiology	4	4	8	4	4	4
10	MM10	Microbiology	4	4	8	4	4	4

**II. Practical Subjects**

S.No	Sr. Code	Subject Name	Credits (1-1)	Credits (2-2)	Total Credits	Total Grade	Grade	Dist
1	MM11	Microbiology	4	4	8	4	4	4
2	MM12	Microbiology	4	4	8	4	4	4
3	MM13	Microbiology	4	4	8	4	4	4
4	MM14	Microbiology	4	4	8	4	4	4
5	MM15	Microbiology	4	4	8	4	4	4
6	MM16	Microbiology	4	4	8	4	4	4
7	MM17	Microbiology	4	4	8	4	4	4
8	MM18	Microbiology	4	4	8	4	4	4
9	MM19	Microbiology	4	4	8	4	4	4
10	MM20	Microbiology	4	4	8	4	4	4

Are you talking? Your mic is off. Click the mic to turn it on.

shweta singh Shalabh Jauhar Ms. Sharma

Satvir Kaur Dr. Amrita You

11:18 AM | xrc-wwas-fpf

WhatsApp Image - jpeg meet.google.com is sharing a window. Stop sharing Hide Show all

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Ms. Sharma Shalabh Jauhar shweta singh

Dr. Amrita You

Turn off camera (ctrl + e)

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# SANT BABA BHAG SINGH UNIVERSITY

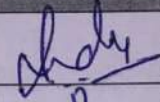
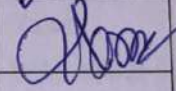
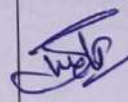
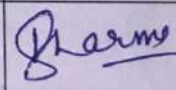
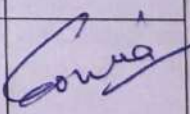
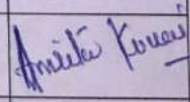

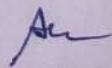

## University Institute of Sciences (UIS)

Ref. No: SBBSU/LS/2021/197

Dated: 24/08/2021

**Subject: Proceedings of the meeting of Board of Studies (BoS) of Programmes: B.Sc MLS and M.Sc Medical Microbiology, Department of Life Sciences and Allied Health Sciences.**

The meeting of members of BoS was held on **13/08/2021, 11:00 am** onwards, at **Department of Life Sciences & Allied Health Sciences** through blended (Online/Offline) mode. **Dr. Shalabh Jauhari** was the external expert present through Online mode. The following members were present and approved the points discussed below.

S.No	Name	Subject	Designation	Institute	Position	Signature
1	Dr Indu Sharma	Botany	Dean Academics	SBBSU	Chairperson	
2	Dr Vikas Sharma	Agriculture	Dean UIS	UIS	Member	
3	Dr Shalabh Jauhari	Microbiology	Associate Professor	Department of Microbiology, Doon Medical College, Dehradun	Expert Member	present through Online mode
4	Dr Shweta Singh	Microbiology	Assistant Professor, Coordinator Life Sciences & Allied Health Sciences	UIS	Member	
5	Dr Aksh Sharma	Biotechnology	Assistant Professor	UIS	Internal Member	
6	Mrs. Sonia Sharma	Medical Lab Science (Microbiology)	Assistant Professor	UIS	Internal Member	
7	Dr Amrita	Zoology	Assistant Professor	UIS	Internal Member	
8	Dr Vijay Dhir (Dean UIET)/ His Representative				Member	
9	Dr Aneet Kumar (Dean UIE)/ His Representative				Member	
10	Dr Seema Garg (Dean UIL, UICM) His Representative				Member	



**The following Agenda Items were discussed and approved in this BoS meeting:**

1. Approval of course scheme and syllabus of M.Sc. Medical Microbiology Programme Code PG032 for the admissions 2021 onwards
2. Approval of course scheme and syllabus of B.Sc. Medical Laboratory Science (MLS) having Programme Code UG027 for Batch 2021 onwards as per the CBCS system under the benchmark of Ministry of Health and Family Welfare, Government of India.
3. Approval of revised Programme Outcomes (POs), Programme Specific Outcomes (PSOs) and Course Outcomes (COs) in the curriculum of B.Sc MLS and M.Sc Medical Microbiology.
4. Approval and Incorporation of Electives: MLS213 (Biomedical Waste Management), MLS215 (First Aid), MLS224 (Introduction To Healthcare Delivery System), MLS226 (Medical Terminology and Medical Records) in the curriculum of B.Sc MLS as per feedback of stakeholders.
5. Approval and Incorporation of Interdisciplinary course: SSC001 (Gender Equity) in 3<sup>rd</sup> Semester of B.Sc MLS
6. Incorporation of amendments suggested by the experts regarding scheme and syllabus.

**Details of Proceedings of BoS Meeting**

S.N o.	Program me Name/ Program me Code	Course Code	Course Name	Remarks/Observations by Experts/Stakeholders/BOS Committee members	Action Taken (Batch 2021 onwards)
1	B.Sc MLS/UG 027	MLS 101	Human Anatomy & Physiology I	Course needs to be shifted from Sem II to Sem I.	Incorporated in the curriculum. Course shifted to Sem I.
2	B.Sc MLS/UG 027	ENG121	Communication Skills I	Course needs to be updated as per professional needs	Incorporated in the curriculum and replacement of General English I (ENG101).
3	B.Sc MLS/UG 027	ENG123	Communication Skills I Lab	Need of ability enhancement course as per demand of stakeholders	Incorporated in the curriculum, inclusion of Communication Skills I Lab (ENG123).
4	B.Sc MLS/UG 027	MLS 103	Human Anatomy & Physiology I Practical	Course needs to be shifted from Sem II to Sem I with revision of credits.	Incorporated in the curriculum. Course shifted to Sem I with 1 credit instead of 1.5.
5	B.Sc MLS/UG 027	MLS113	Hematology I	Course Credits need to be revised.	Incorporated in the curriculum with modified 3 credits instead of 4.

6	B.Sc MLS/UG 027	MLS107	Fundamentals of Biology Practical	Course Credits need to be revised.	Incorporated in the curriculum with 1 credit instead of 1.5.
7	B.Sc MLS/UG 027	MLS106	Basics of MLT	Course needs to be shifted from Sem I to Sem II with revision of credits.	Incorporated in the curriculum. Course shifted to Sem II and change in L:T:P from 4:0:0 to 3:1:0.
8	B.Sc MLS/UG 027	MLS108	Basics of MLT Practical	Course needs to be shifted from Sem I to Sem II with revision of credits.	Incorporated in the curriculum. Course shifted to Sem II with 1 credit instead of 1.5.
9	B.Sc MLS/UG 027	MLS 118	Human Anatomy & Physiology II	Course needs to be shifted from Sem III to Sem II.	Incorporated in the curriculum. Course shifted to Sem II.
10	B.Sc MLS/UG 027	MLS 120	Human Anatomy & Physiology II Practical	Course needs to be shifted from Sem III to Sem II with revision of credits.	Incorporated in the curriculum. Course shifted to Sem II with 1 credit instead of 1.5.
11	B.Sc MLS/UG 027	ENG114	Communication Skills II	Course needs to be updated as per professional needs	Incorporated in the curriculum and replacement of General English II (ENG102).
12	B.Sc MLS/UG 027	ENG116	Communication Skills II Lab	Need of ability enhancement course as per demand of stakeholders	Incorporated in the curriculum, inclusion of Communication Skills II Lab (ENG116).
13	B.Sc MLS/UG 027	MLS110	Medical Parasitology	Course nomenclature needs to be revised.	Incorporated in the curriculum. The course name was previously known as Pathology I.
14	B.Sc MLS/UG 027	MLS112	Medical Parasitology Practical	Course nomenclature and credits needs to be revised.	Incorporated in the curriculum with 1 credit instead of 1.5. Course was previously known as Pathology I Lab.
15	B.Sc MLS/UG 027	PT101/102/1 03/104/105/1 06	Physical Training	Course needs to be introduced from 3 <sup>rd</sup> Semester onwards.	Incorporated in the curriculum.



16	B.Sc MLS/UG 027	MLS201	Biochemistry II	Course Credits need to be revised.	Incorporated in the curriculum with 3 credits instead of 4.
17	B.Sc MLS/UG 027	MLS205	Systematic Bacteriology	Course nomenclature needs to be revised.	Incorporated in the curriculum. The course name was previously known as Pathology II.
18	B.Sc MLS/UG 027	MLS207	Systematic Bacteriology Practical	Course nomenclature needs to be revised.	Incorporated in the curriculum with 1 credit instead of 1.5. Course was previously known as Pathology II Lab.
19	B.Sc MLS/UG 027	MLS 213	Basics of Virology	Course needs to be shifted from Sem IV to Sem III.	Incorporated in the curriculum. Course shifted to Sem III.
20	B.Sc MLS/UG 027	MLS209	Basics of Biochemical and Biophysical Techniques	Course Credits need to be revised.	Incorporated in the curriculum with 3 credits instead of 4.
21	B.Sc MLS/UG 027	MLS210	Immunology and Mycology	Merging of Pathology III (MLS210) and Concepts in Immunology & Immunological Techniques (MLS214)	Incorporated in the curriculum. The course was introduced as Immunology and Mycology.
22	B.Sc MLS/UG 027	MLS212	Immunology and Mycology Practical	Merging of Pathology III Lab (MLS212) and Concepts in Immunology & Immunological Techniques Lab (MLS216)	Incorporated in the curriculum. The course was introduced and revised as Immunology and Mycology Practical.
23	B.Sc MLS/UG 027	MLS214	Histopathology & Histopathological Techniques	Course Credits need to be revised.	Incorporated in the curriculum with 3 credits instead of 4.
24	B.Sc MLS/UG 027	MLS216	Histopathology & Histopathological Techniques Practical	Course Credits need to be revised.	Incorporated in the curriculum with 1 credit instead of 1.5.
25	B.Sc MLS/UG 027	MLS204	Clinical Biochemistry I Practical	Course Credits need to be revised.	Incorporated in the curriculum with 1 credit instead of 1.5.

26	B.Sc MLS/UG 027	MLS218	Basics of Virology	Course Credits need to be revised.	Incorporated in the curriculum and revised L:T:P from 2:0:0 to 2:1:0
27	B.Sc MLS/UG 027	MLS305	Cellular Pathology	Course nomenclature needs to be revised.	Incorporated in the curriculum. The course name was previously known as Pathology IV.
28	B.Sc MLS/UG 027	MLS307	Cellular Pathology Practical	Course nomenclature needs to be revised.	Incorporated in the curriculum with 1 credit instead of 1.5. Course was previously known as Pathology IV Lab.
29	B.Sc MLS/UG 027	MLS313	Health Systems and Laboratory Ethics	Course Credits need to be revised.	Incorporated in the curriculum with 3 credits instead of 4.
30	B.Sc MLS/UG 027	MLS315	Health Systems and Laboratory Ethics Practical.	The lab aspect will be covered during Professional training.	The course was deleted from the curriculum.
31	B.Sc MLS/UG 027	MLS302	Professional Training	The contact hours need to be modified as per Ministry of Health and Family Welfare, Government of India.	Incorporated in the curriculum by revising contact hours from 3 months to 6 months and credits from 25 to 26.

**Meeting ended with the thanks by Dean Academics.**

Thank you in anticipation

In-Charge/Coordinator/Head of the Department

Dean of Institute



SBBSU/V4/21/1098  
dt 9/8/21

Dr. Shweta



# Sant Baba Bhag Singh UNIVERSITY

Village: Khiala: PO: Padhiana, Distt: Jalandhar 144030

Website: www.sbbsuniversity.ac.in Phone: 0181-2711163 Fax: 0181-2711555

## Department of Life Sciences & Allied Health Sciences

Ref. No: SBBSU/LS/2021/192

Date: 02/08/2021

To

The Vice Chancellor

SBBS University,

Jalandhar

**Subject: For the approval of the expert for Board of Studies Meeting (BOS) of Department of Life Sciences & Allied Health Sciences (Zoology)**

Respected Sir,

It is submitted that Department of Life Sciences & Allied Health Sciences have to conduct BOS for M.Sc. Zoology and interdisciplinary course of Zoology through online. Kindly approve the subject Expert from the following panel.

S.No	Name of Expert	Designation	Institute	Phone No. and e-mail
1	Dr. Onkar Singh Braich	Assistant Professor	Department of Zoology and Environmental Sciences, Punjabi University, Patiala	Mob. 081465-83347 onkarpscst@gmail.com
2	Prof. P.K. Sharma	Principal Scientist	Deptt. of Entomology, CSKHPKV, Palampur (H.P)	Mob. 9418031290 Email-pksgarg@rediffmail.com
3	Dr. Mahabir Singh Rawat	Professor	Department of Zoology SDM Govt. P.G. College Doiwala, Dehradun	Mob. 9412916792 Email- drmsrawat2@ yahoo.co.in
4	Dr. Sunil Kumar	Associate Professor	Department of Zoology D.A.V. (P.G) College, Dehradun, UTTARAKHAND	Mob. 09414360717 Email- sunilkumar@davpgcollege.in

Kindly approve the Honorarium for the subject expert.

Honorarium to Subject Expert (BOS)

2000/-

Thanking you in anticipation

*Sent No 1 to Onkar Singh Braich is approved.*

COD Life Sciences & Allied Health sciences

University Institute of Sciences

*Recommended & Forwarded to Dean Academics*

*(146) may be considered as per rules and regulations of SBBSU. Forwarded to Hon'ble VC Sir, please. 03.08.21*





# Sant Baba Bhag Singh UNIVERSITY

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Website: [www.sbbsuniversity.ac.in](http://www.sbbsuniversity.ac.in) Phone: 0181-2711163 Fax: 0181-2711555

Ref. No. SBBSU / NA / 21 / 136

Date: 12/08/2021

To

Dr. Onkar Singh Brraich  
Assistant Professor  
Department of Zoology & Environment Sciences  
Punjabi University, Patiala

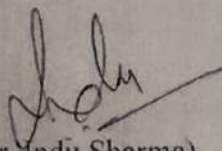
Subject: Invitation for Board of Studies Meeting in the Department of Life Science & Allied Health Science, SBBSU

Dear Sir,

This is to bring to your kind notice that the meeting of Board of Studies (BOS) of Department of of Life Science & Allied Health Science (University Institute of Sciences), SBBSU, Khiala, Jalandhar is going to be held on 16<sup>th</sup> August, 2021 through online mode. You have been nominated as an external subject expert for the BOS meeting by the competent authority. I feel honour to invite you as subject expert for the approval of Course Schemes and Syllabus M.Sc. Zoology. Your experience and expertise will be of great help to the Department and University.

Due to the uncertain pandemic COVID-19 situation and advisories of State/Centre Govt. as well as UGC/MHRD, the BOS meeting will be conducting through online mode. Therefore you are requested to kindly spare your valuable time to participate in the same on 16/08/2021 (Monday) at 11:00 am.

Regards

  
(Dr. Indu Sharma)  
Dean Academics  
SBBS University





# Sant Baba Bhag Singh UNIVERSITY

Village: Khiala: PO: Padhiana, Distt: Jalandhar 144030  
Website: www.sbbsuniversity.ac.in Phone: 0181-2711163 Fax: 0181-2711555

## Department of Life Sciences & Allied Health Sciences

Ref. No: *SBBSU/LS/2021/96*

Date: 12/08/2021

### MEETING CIRCULAR

It is my pleasure to inform you that you have been appointed as a member of Board of Studies (BOS) meeting of following courses M.Sc. (Hons.) Zoology & Interdisciplinary Core Courses of Zoology offered by Life Sciences & Allied Health Science.

List of the BOS members is given below:

BoS meeting in Online Mode:					
S.No.	Name	Subject	Designation	Institute	Position
1	Dr. Indu Sharma	Botany	Dean Academics	SBBSU	Chairperson
2	Dr. Vikas Sharma	Agriculture	Dean UIS	UIS	Member
3	Dr. Onkar Singh Brraich	Zoology	Assistant Professor	Department of Zoology & Environment Sciences, Punjabi University, Patiala	Expert Member
4	Dr. Shweta Singh	Microbiology	Assistant Professor Coordinator, Life Sciences & Allied Health Sciences,	UIS	Member
5	Dr. Aksh sharma	Biotechnology	Assistant Professor	UIS	Internal Member
6	Dr. Vivek	Zoology	Assistant Professor	UIS	Internal Member
7	Dr. Amrita	Zoology	Assistant Professor	UIS	Internal Member
8	Dr Vijay Dhir (Dean UIET) / His representative				Member
9	Dr Aneet Kumar (Dean UIE) /His representative				Member
10	Dr. Seema Garg (Dean UIL, UICM) / Her representative				Member



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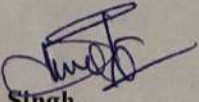
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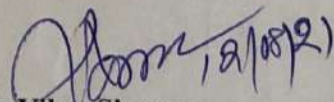
Website: [www.sbbsuniversity.ac.in](http://www.sbbsuniversity.ac.in) Phone: 0181-2711163 Fax: 0181-2711555

You are requested to attend the meeting on 16/08/2021 (Monday) at 11:00 am onwards through online mode. All are requested to join online as per the link details provided through mail.

The detailed agenda of the meeting will be as follow:

1. Discussion and approval of Course schemes & Syllabus of programme M.Sc. (Hons.) Zoology & Interdisciplinary Core/DSE Courses of Zoology offered for B.Tech.
2. Incorporation and revision of vision, mission, PO, PEO, PSO and CO into the syllabus.
3. Discussion on curriculum aspects on the basis of Feedback of stakeholders.
4. Amendments of any suggestions by the experts regarding scheme and syllabus.

  
Dr Shweta Singh  
Coordinator (Life Science & Allied Health Science)

  
Dr. Vikas Sharma  
Dean UIS, SBBSU





# Sant Baba Bhag Singh University

(University Established under Punjab Act No.6 of 2015)

Vill. Khiala, P.O. Padhiana, Dist. Jalandhar, Punjab, INDIA

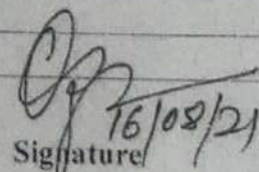
## External Expert Review Performa For Board of Studies

Name of External Expert : Mr. Donkar Singh Barcha  
Discipline : ZOOLOGY  
Designation : ASSISTANT PROFESSOR  
Organization (Name & Address) : Deptt. of Zoology & Environmental  
Science, Punjab Univ. Patiala,  
Contact No. : 81485-83347  
E-Mail ID : srphenbar@yahoo.com  
Date of Visit/Meeting : 16-08-2021

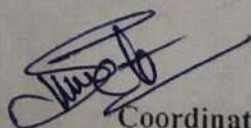
### Reviewer's Comments :-

Thoroughly gone through the syllabus, it is  
upto the mark and no major revision  
is required. Minor suggestions were  
incorporated in the Paper Ichthyology.

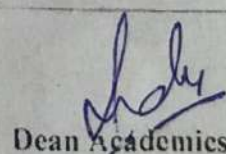
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Signature

Date: 16/08/2021



Coordinator/HOD's/Dean's

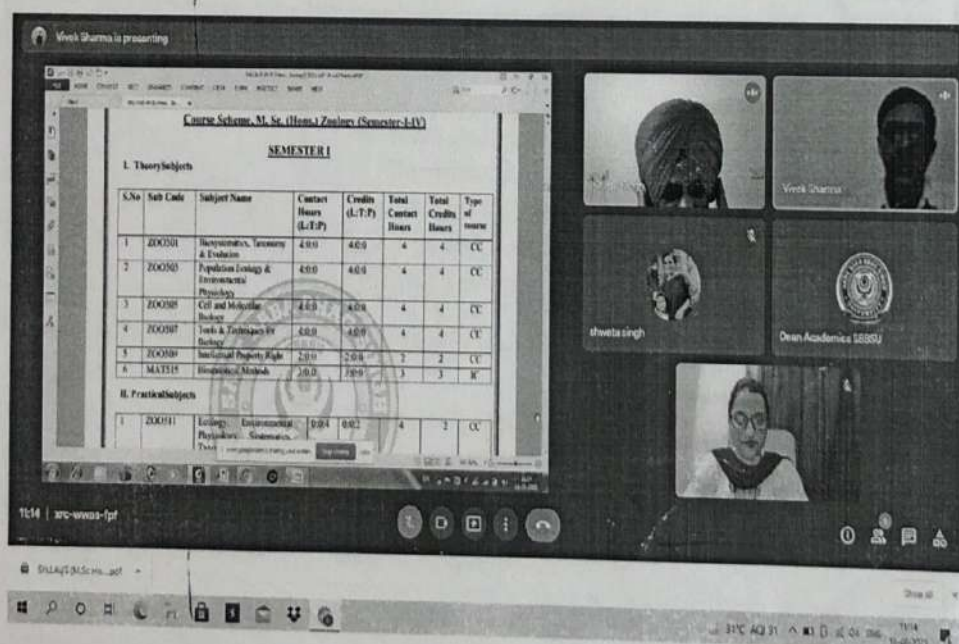
  
Dean Academics







## M.Sc. (Hons.) Zoology (Batch-2021) BOS



# SANT BABA BHAG SINGH UNIVERSITY

## University Institute of Sciences (UIS)

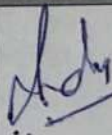
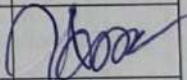
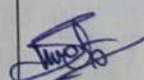
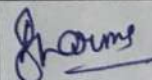
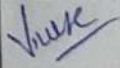
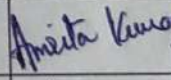

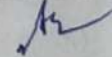
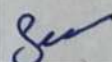
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Dated:

### Minutes of BOS Meeting

**Subject: Proceedings of the meeting of M. Sc. (Hons.) Zoology and an interdisciplinary course, Board of Studies (BoS) of the Department of Life Sciences and Allied Health Sciences.**

The meeting of members of BoS was held on **16. 08. 2021, 11:00 AM**, at **Department of Life Sciences and Allied Health Sciences** through blended Online/offline mode. **Dr. Onkar Singh Braich** was the external expert present through Online mode. The following members were present and approved the points discussed below.

S. No.	Name	Subject	Designation	Institute	Position	Signature
1.	Dr Indu Sharma	Department of Botany and Agriculture	Dean Academics	Sant Baba Bhag Singh University, Jalandhar	Chairperson	
2.	Dr Vikas Sharma	Department of Agriculture	Dean UIS	UIS	Member	
3.	Dr. Onkar Singh Braich	Zoology	Assistant Professor	Punjabi University, Patiala	Expert Member	
4.	Dr. Shweta Singh	Microbiology	Assistant Professor, Coordinator, Department of Life Sciences and Allied Health Sciences	UIS	Member	
5.	Dr Aksh Sharma	Biotechnology	Assistant Professor	UIS	Internal Member	
6.	Dr Vivek	Zoology	Assistant Professor	UIS	Internal Member	
7.	Dr Amrita Kumari	Zoology	Assistant Professor	UIS	Internal Member	
8.	Dr. Vijay Dhir (Dean UIET)/ His representative				Member	
9.	Dr. Aneet Kumar (Dean UIE)/ His representative				Member	
10.	Dr. Seema Garg (Dean UIL, UICM)/ Her representative				Member	



**The following Agenda Items were discussed and approved in this BoS meeting:**

1. Discussion and approval of course scheme and syllabus of M.Sc. (Hons.) Zoology, programme code, PG033 for the admissions session 2021 onwards.
2. Approvals of revised Programme Outcomes (POs), Programme Specific Outcomes (PSOs) and Course Outcomes (COs) in the curriculum of M.Sc. (Hons.) Zoology.
3. Approval of interdisciplinary course viz Biology for B. Tech (all branches-UG017, UG018, UG019, UG020, UG021) with course code ZOO 001.
4. Incorporation of amendments suggested by the experts regarding scheme and syllabus as per feedback of stakeholders.
5. Inclusion of new courses in the curriculum of M.Sc. (Hons.) Zoology as per competitive examination point of view.

### **Details of Proceedings of BoS Meeting**

S. No.	Programme Name/ Programme Code	Course code	Course Name	Remarks/Observations by Experts/Stakeholders/BOS Committee members	Action Taken (Batch 2021 onwards)
1	M.Sc.(Hons.) Zoology/ PG 033)	ZOO501	Biosystematics, Taxonomy & Evolution	Course needs to be shifted from Sem II to Sem I.	Incorporated in the curriculum and replacement of Structure & Function of Invertebrates (ZOO501)
2	M.Sc.(Hons.) Zoology/ PG 033)	ZOO503	Population Ecology & Environmental Physiology	Course needs to be shifted from Sem II to Sem I.	Incorporated in the curriculum and replacement of Comparative Anatomy of Chordates (ZOO503)
3	M.Sc.(Hons.) Zoology/ PG 033)	ZOO511	Ecology, Environmental Physiology, Systematics, Taxonomy and Evolution Practical	Course needs to be shifted from Sem II to Sem I.	Incorporated in the curriculum and replacement of Structure and Functions of Animals Practical (ZOO511)
4	M.Sc.(Hons.) Zoology/ PG 033)	ZOO 504	Basic Endocrinology	Course needs to be added as core course as per the	Incorporation of subject as core course in II semester

5	M.Sc.(Hons.) Zoology/ PG 033)	ZOO 508	Ichthyology	Course needs to be added as core course as per the feedback of stakeholder and with minor corrections suggested by external expert.	Incorporation of subject as core course in II semester with corrections in place of Population Ecology & Environmental Physiology (ZOO508)
6	M.Sc.(Hons.) Zoology/ PG 033)	ZOO 512	Endocrinology and Ichthyology Practical	Course needs to be added as core course as per the feedback of stakeholder.	Incorporation of subject as core course in II semester in place of Structure and Functions of Animals Practical (ZOO511)
7	M.Sc.(Hons.) Zoology/ PG 033)	ZOO607	Reproductive Physiology in Males	Incorporation of elective course in semester III as per the feedback of stakeholder and competitive view point.	Incorporated in the curriculum and the replacement of Comparative Endocrinology (ZOO607) in semester III.
8	M.Sc.(Hons.) Zoology/ PG 033)	ZOO613	Reproductive Physiology in Females	Course needs to be introduced as elective course in semester III as per the feedback of stakeholder and competitive view point.	Incorporated in the curriculum with the replacement of Endocrine Physiology (ZOO 613)
9	M.Sc.(Hons.) Zoology/ PG 033)	ZOO625	Reproductive Physiology (Practical)	Course needs to be introduced as elective course in semester III as per the feedback of stakeholder and competitive view point.	Incorporated in the curriculum and replacement of Comparative Endocrinology and Endocrine Physiology Practical (ZOO 625)
10	M.Sc.(Hons.) Zoology/ PG 033)	ZOO623	General Entomology Practical	Course needs to be modified as per the competitive view point.	Updation (Addition & Removal) of practicals regarding the syllabus.

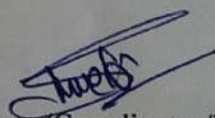


11	M.Sc.(Hons.) Zoology/ PG 033)	ZOO608	Cellular Physiology	Incorporation of elective course in semester IV as per the feedback of stakeholder and competitive view point.	Incorporated in the curriculum and replacement of Male Reproductive Endocrinology (ZOO 608)
12	M.Sc.(Hons.) Zoology/ PG 033)	ZOO614	Mammalian Physiology	Course needs to be introduced as elective course in semester IV as per the feedback of stakeholder and competitive view point.	Incorporated in the curriculum. New elective course have been added and replacement of Female Reproductive Endocrinology (ZOO 614)
13	M.Sc.(Hons.) Zoology/ PG 033)	ZOO622	Cellular and Mammalian Physiology (Practical)	Incorporation of elective course in semester IV as per competitive view point and the feedback of stakeholder.	Incorporated in the curriculum. New elective course have been added and replacement of Reproductive Endocrinology Practical (ZOO 622)
14	M.Sc.(Hons.) Zoology/ PG 033)	ZOO514	Seminar	Course nomenclature needs to be revised and Course needs to be shifted from theory to practical in semester II	Incorporated in the curriculum and Course name changed from Seminar-I to Seminar and has been shifted from theory to Practical in semester II from 2020 onwards

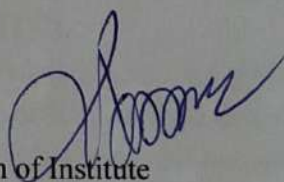
15	M.Sc.(Hons.) Zoology/ PG 033)	MAT515	Biostatistical Methods	Course Credits need to be revised.	Incorporated in the curriculum with 03 credit instead of 04
16	M.Sc.(Hons.) Zoology/ PG 033)	EVS003	Natural Hazards and Disaster Management	Course Code need to be revised in semester II	Incorporated in the curriculum with course code EVS003 from BOT001 in semester II from 2020 onwards

**Meeting ended with the thanks by Dean Academics.**

Thank you in anticipation



In-Charge/Coordinator/Head of the Department



Dean of Institute



<b>Course Code</b>	<b>ZOO 001</b>
<b>Course Title</b>	<b>Biology</b>
<b>Type of Course</b>	Theory
<b>L T P</b>	3 0 0
<b>Credits</b>	3
<b>Course Prerequisites</b>	10+2
<b>Course Objectives (CO)</b>	To provide students' knowledge of structural units of life, their role and structural difference between them.
<b>Course outcomes</b>	The students will able to: 1. Explain mechanisms of important biological processes 2. Analyze structure of macromolecules 3. Illustrate different mechanism of genetics.

#### **UNIT-I**

Characteristics of life: Living versus non-living organisms, origin of life, theory of evolution, Diversity of life, classification of life into animals, plants, fungi, protists, archaea and bacteria.

#### **UNIT-II**

Phylogenetic and its relationship with evolution. Introduction to biological systems: Cell as basic unit of life, cellular organelles and their functions, important bio macromolecules (carbohydrates, lipids, proteins and nucleic acids) and their properties.

#### **UNIT-III**

Cell membrane: Membrane structure, selective permeability, transport across cell membrane, active and passive transport, membrane proteins, type of transport proteins, channels and pumps, examples of membrane transport in cell physiology.

#### **UNIT-IV**

Classical and molecular genetics: Heredity and laws of genetics, genetic material and genetic information, Structure and properties of DNA, central dogma, replication of genetic information, universal codon system, encoding of genetic information via transcription and translation.

#### **Text and Reference Books:**

<b>S.No.</b>	<b>Name/Title</b>	<b>Author</b>	<b>Publisher</b>
1	Biochemistry	Voet, D. and J.G. Voet	Freeman & Co
2	Fundamentals of Biochemistry	J.L. Jain	S. Chand Publ.
3	A Text book of Genetics	V.B. Rastogi	Kedar Nath Ram Nath
4	Cell and Molecular biology	P.K. Gupta	Rastogi Publications



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## Department of Botanical and Environment Sciences

Ref. No: SBBSU/UISH/20/37A

Date: 28/06/2021

### **Subject: Proceedings of Curriculum Development Committee (CDC) meeting of Department of Botanical and Environmental Sciences**

The meeting of members of CDC was held on 28/06/2021, 11:00 am, room no. 523, at Block No. 5, to review the curriculum of M.Sc. (Hons.) Botany/PG029, PhD. Botany course work Discipline elective/PhD018 and interdisciplinary courses offered by the Department of Botanical and Environmental Sciences. The following members were present in the meeting.

S. No.	Name of the Faculty	Designation	Member	Signature
1	Dr. Vikas Sharma	Associate Professor and Dean UIS	Chairperson	
2	Dr. Indu Sharma	Associate Professor	Internal member	
3	Dr. Anil K Singh	Assistant Professor	Internal member	
4	Dr. Kumari Manisha	Assistant Professor	Internal member	
5	Dr. Vikrant Jaryan	HoD, Department of Botanical and Environmental Science	Member, Secretary	 28/06/21

### **Agenda for the Meeting:**

- Revision of course curriculum of various programmes as per various stakeholders feedback
- Revision of interdisciplinary courses offered by the department
- Proposal of Expert panel for BoS and finalizing the schedule for the BoS meeting.

### **Detail of points discussed in the meeting**

S. No.	Agenda	Decision
1.	Review/ Analysis of Feedback of the stakeholders	<ol style="list-style-type: none"> <li>1. The curricula were revised and redesigned on the basis of recent developments and necessity for upgradation as per the feedback received from the stakeholders (teachers, parents, alumni and employers) with major focus on employability, entrepreneurship and skill development.</li> <li>2. The feedback received from all stakeholders in terms of its relevance and appropriateness in catering to the needs of the society, economy and environment was analyzed and the key pertinent points which could enhance the learning effectiveness of each programme were identified.</li> </ol>



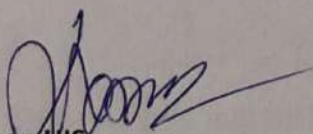


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2.	Action taken on the feedback of the stakeholders	<ol style="list-style-type: none"><li>1. Accordingly, on the basis of feedback of stakeholders and above considerations, the action has been taken to revise the scheme and syllabus of the M.Sc. (Hons.) Botany (Programme code PG029), Ph.D. course work (Programme code PhD018) and interdisciplinary courses of environmental sciences and botany offered by the department after valuable suggestions of members of CDC at Departmental level.</li><li>2. CDC members proposed the amendments of the nomenclature and subject codes of interdisciplinary environmental sciences and botany courses offered by the department.</li><li>3. After extensive deliberations on the syllabus and exhaustive brainstorming, all the members of CDC have unanimously resolved to revise/redesign the syllabus, therefore, it shall be put up to the Board of Studies for consideration and approval.</li></ol>
3	Proposal to conduct BoS Meeting	<ol style="list-style-type: none"><li>1. The CDC members proposed for the approval of M.Sc. (Hons.) Botany and interdisciplinary courses of Environment Sciences and Botany courses through BoS meeting.</li><li>2. Tentative date of BoS meeting shall be considered on bases of approval and availability of experts as nominated by the competent authority</li><li>3. HoD shall take necessary action for the same.</li></ol>

  
Dean UIS



Sant Baba Bhag Singh University, Jalandhar  
Department of Botanical and Environmental Sciences

Ref. No. SBBSU/UISN/BOT/21/49

Date: 18/8/21

**Proposal for conducting the BOS (Board of Studies) of Botanical and Environmental Sciences**

**Subject:** Proposal for conducting the BOS (Board of Studies) of Botanical and Environmental Sciences

Respected Sir,

The department of Botanical and Environmental Sciences (UIS) wishes to conduct the BOS (Board of Studies) for the revision of the syllabus, course code, course credit and addition of new course in them M.Sc. (Hons.) Botany and Interdisciplinary Courses of Environmental Sciences offered by the department as per the feedback from the stakeholders. Kindly, allow us to conduct the BOS.

Yours Sincerely

*Vikrant Jaryan* 18/5/21  
Dr. Vikrant Jaryan (COD)

Department of Botanical and Environmental Sciences

*[Signature]* 18/08/21  
Dean UIS

*[Signature]* 18/08/2021  
Dean Academics SBBSU

*[Signature]* 18/8/21  
Vice Chancellor SBBSU





**Sant Baba Bhag Singh University, Jalandhar**  
**Department of Botanical and Environmental Sciences**

Name proposed for BOS

S. No.	Expert
1. ✓	Prof. (Dr.) Daizy Rani Batish, Chairperson, Department of Botany, Panjab University, Chandigarh
2. ✓	Prof. (Dr.) Harminder Singh Department of Environment Studies, Panjab University, Chandigarh
3.	Prof. (Dr.) Satwinder Kaur Department of Botanical and Environmental Sciences, Guru Nanak Dev University, Amritsar

First & Second AS approved  
Dr Daizy Rani  
Harminder Singh  
18/8/21



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## Department of Botanical and Environment Sciences

Ref. No: SBBSU/UISH/BOT/21/50

Date: 19/08/2021

### MEETING CIRCULAR

It is my pleasure to inform you that you have been appointed as a member of Board of Studies (BOS) meeting of the following courses M.Sc. (Hons.) Botany (Programme code: PG029), and interdisciplinary courses of Botany and Environmental Sciences offered by the department.

List of the BOS members is given below:

BoS meeting in Online Mode:					
S.No.	Name	Subject	Designation	Institute	Position
1	Dr. Indu Sharma	Botany	Dean Academics, Associate Professor	SBBSU	Chairperson
2	Dr. Vikas Sharma	Agriculture	Dean UIS, Associate Professor	UIS	Member
3	Prof. (Dr.) Daizy Rani Batish	Botany	Chairperson and Professor	Department of Botany, Panjab University Chandigarh	Expert Member
4	Prof. (Dr.) Harminder Pal Singh	Environment	Professor,	Department of Environment Studies, Panjab University	Expert Member
5	Dr. Vikrant Jaryan	Agriculture	Associate Professor, HoD, Botanical and Environmental Science,	UIS	Member
6	Dr. Anil K Singh	Agriculture	Assistant Professor	UIS	Internal Member
7	Dr. Kumari Manisha	Agriculture	Assistant Professor	UIS	Internal Member
8	Dr. Ratnesh Kumari	Agriculture	Assistant Professor	UIS	Internal Member
9	Dr. Vijay Dhir (Dean UIET) / His representative				Member
10	Dr. Aneet Kumar (Dean UIE., UIH) /His or Her representative				Member
11	Dr. SeemaGarg (Dean UIL, UICM)/ Her representative				Member
12	Dr. Sandeep Randhawa (Training and Placement officer)/ Her representative				Member

You are requested to attend the meeting on 20<sup>th</sup> August, 2021(Friday) at 11:00 am onwards through online mode. All are requested to join online as per the link details provided through mail.





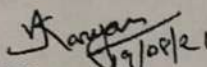
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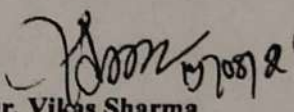
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The detailed agenda of the meeting will be as follow:

1. Discussion and approval of Course schemes & Syllabus of programme M.Sc. (Hons.) Botany (Programme code : PG029) for the admission 2021 onwards in accordance to the CBCS system
2. Discussion and approval of interdisciplinary courses of Environmental Sciences and Botany for UG and PG programmes of other departments inside the SBBS Campus.
3. Incorporation and revision of vision, mission, PO,PEO,PSO and CO into the syllabus.
4. Discussion on curriculum aspects on the basis of Feedback of stakeholders.
5. Amendments of any suggestions by the experts regarding scheme and syllabus.

  
Dr Vikrant Jaryan  
HoD (Botanical and Environmental Sciences)

  
Dr. Vikas Sharma  
Dean UIS, SBBSU



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## Department of Botanical and Environment Sciences

Ref. No:

Date: 20/08/2021

Subject: Proceedings of the meeting of Board of Studies (BoS) of Department of Botanical and Environmental Sciences

The meeting of members of BoS was held on 20/08/2021, 11:00 am, at Block No. 5, SBBSU through blended (Online/Offline) mode. Prof. (Dr.) Daizy Rani Batish, Chairperson, Department of Botany, Panjab University, Chandigarh and Prof. (Dr.) Harminder Pal Singh, Department of Environment Studies, Panjab University were the external experts present through online mode. The following members were present and approved the points discussed below:

BoS meeting in Online Mode:					
S.No.	Name	Subject	Designation	Institute	Position
1	Dr. Indu Sharma	Botany	Dean Academics, Associate Professor	SBBSU	Chairperson
2	Dr. Vikas Shanna	Agriculture	Dean UIS, Associate Professor	UIS	Member
3	Prof. (Dr.) Daizy Rani Batish	Botany	Chairperson and Professor	Department of Botany, Panjab University Chandigarh	Expert Member
4	Prof. (Dr.) Harminder Pal Singh	Environment	Professor	Department of Environment Studies, Panjab University	Expert Member
5	Dr. Vikrant Jaryan	Agriculture	Associate Professor, HoD, Botanical and Environmental Science,	UIS	Member
6	Dr. Anil K Singh	Agriculture	Assistant Professor	UIS	Internal Member





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7	Dr. KumariManisha	Agriculture	Assistant Professor	UIS	Internal Member	<i>Signature</i>
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Following points were discussed during the meetings

1. Approval of course scheme and syllabus of M.Sc. (Hons.) Botany with programme code PG029 for the admission of 2021 onwards
2. Approval of interdisciplinary courses of Botany and Environmental Science subjects offered by the department for the admissions 2021 onwards
3. Approval of discipline courses of Ph.D. course work with programme code PhD018 for the admission of 2021 onwards
4. Incorporation and revision of vision, mission, PO, PEO, PSO and CO into the syllabus.
5. Amendments were made in courses and curriculum on the bases of suggestions provided by experts and stakeholders

## Positive comments by Experts

S. No.	Programme	Comments
1.	M.Sc. (Hons.) Botany	<ul style="list-style-type: none"><li>• Syllabus is well structured and rich in content</li><li>• It meet international standards and student centric</li></ul>
2.	Interdisciplinary courses of Botany and Environmental Science	<ul style="list-style-type: none"><li>• Courses are flexible and high standard with rich in content</li></ul>

*Signature*  
20/08/21

Dr. Vikrant Jaryan

HoD (Botanical and Environmental Sciences) Dean UIS, SBBSU

*Signature*

Dr. Vikas Sharma



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## Proceedings in Detail

S. No.	Programme Name/ Programme Code	Course Code	Course Name	Remarks by Experts	Action Taken
1.	M.Sc. (Hons.) Botany/PG029	BOT513	Practical Course on Plant Physiology and Biochemistry	To change the nomenclature of the course as per theory subjects.	The nomenclature was changed Practical Course on Water Relation, Growth, Development and Biochemistry
2.	M.Sc. (Hons.) Botany/PG029			To introduce the course of Natural hazards and Disaster management	A new course of 'EV003' Natural hazards and disaster management is introduced in elective in 4 <sup>th</sup> Sem with Code EVS003 'Natural Hazards and Disaster Management'
3.	M.Sc. (Hons.) Botany/PG029			To introduce the course of Technical writing and communication skills	A new course of 'BOT621' Technical Writing and communications skills in Research is introduced in 3 <sup>rd</sup> Semester
4.	Interdisciplinary subjects of Environmental Sciences offered by department to Engineering UG	EVS101	Environmental Sciences	Similar course with credits and non-credit cannot be offered with same nomenclature and codes to other departments.	Code of subjects is changed to 'EVS 001' because it is offered to other departments for UG courses and a new course is offered to UG Engineering





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	Programmes				streams with code 'EVS002' Environmental Studies
5.	Interdisciplinary subjects of Environmental Sciences offered by department to Engineering PG Programmes	EVS501	Disaster Management	Code of the course cannot be same with different credits	Code of the course is changed to 'EVS004'. This course is offered in M. Tech.
6.	Interdisciplinary subjects of Environmental Sciences offered by department to BSc (Hons.) Agriculture	AGR211	Environmental Studies and Disaster Management	Code of the Course to be change	Code of the Course is changed to 'EVS005'
7.	Interdisciplinary subjects of Environmental Sciences offered by department to PG Courses of Agriculture	EVS601	Disaster Management	Two courses with same nomenclature and different codes cannot be offered	The code and nomenclature of the course is changed to 'EVS006' Disaster Management and Risk Assessment
8.	Interdisciplinary subjects of Environmental Sciences offered by department to PG Courses	BOT001	Natural Hazards and Disaster Management	Code of the Course to be change	Code of the Course is changed to 'EVS003'
9.	Interdisciplinary subjects of Botany offered by department to PG Courses			New course of Biology is introduced for B.Tech. as per	New course of Biology with code 'BOT002' is introduced in the B.Tech. with 3



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					B.Tech. with 3 credits
10.	Interdisciplinary subjects of Botany offered by department to PG Courses			New course of Life Science is introduced for B.Tech. as per AICTE	New course of Life Science with code 'BOT233' is introduced in the B.Tech. with 1 credits and Life Science Practical with code 'BOT235' with 1 credits
11.	Ph.D. Botany /PhD018			Additional courses were introduced in discipline electives I and II of PhD Botany course work to give more flexibility to PhD student to choose courses according to their research interest	Advances in Mycology and Plant Pathology with code 'BOT907', Advances in Plant Ecology with code 'BOT909', Advances in Biotechnology with code 'BOT911' and 'BOT911' with code 'BOT913'
12.				Discussion regarding the suggestion provided by stakeholders and revision of PO, PEO, PSO and CO	Incorporation of suggestion provided by stakeholders and Revision of PO, PSO, CO in the curriculum

*Ray*  
20/08/21  
HOD Botany





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Participants: Dalry Rani, Harminder Pal Singh, manisha singh, Dean Academics SB..., anil singh, ratnesh jassal, You

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# Sant Baba Bhag Singh UNIVERSITY

Village: Khiala: PO: Padhiana, Distt: Jalandhar 144030

Website: [www.sbbsuniversity.ac.in](http://www.sbbsuniversity.ac.in) Phone: 0181-2711163 Fax: 0181-2711555

Ref. No. SBBSU/DA/21/151

Date: 19/08/2021

## Invitation Letter

To

Prof. (Dr.) Daizy Rani Batish  
Chairperson,  
Department of Botany  
Panjab University

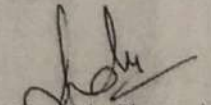
**Subject: Invitation for Board of Studies Meeting in the Department of Botanical and Environmental Sciences, SBBSU**

Dear Madam,

This is to bring to your kind notice that meeting of Board of Studies (BOS) for Department of Botanical and Environmental Sciences (Institute: UIS), SBBSU, Khiala, Jalandhar is going to be held on 20/08/2021 (Friday). You have been nominated as an external subject expert for the BOS meeting by the competent authority. I feel honor to invite you as an expert for the approval of course scheme and syllabus of M.Sc. (Hons.) Botany and interdisciplinary courses of Environmental Sciences and Botany offered by the department in UG and PG Programmes inside the campus of SBBSU. Your experience and expertise will be of great help to the Department and University.

Due to the uncertain pandemic COVID-19 situation and advisories of State/Centre Govt. as well as UGC/MHRD, the BOS meeting will be conducting through online mode. Therefore you are requested to kindly spare your valuable time to participate in the same on 20/08/2021 (Friday) at 11:00 am.

Regards

  
(Dr. Indu Sharma)  
Dean Academics





# Sant Baba Bhag Singh UNIVERSITY

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Website: [www.sbbsuniversity.ac.in](http://www.sbbsuniversity.ac.in) Phone: 0181-2711163 Fax: 0181-2711555

Ref. No. SBBSU/PA/21/150

Date: 19/08/2021

## Invitation Letter

To

Prof. (Dr.) Harminder Pal Singh  
Department of Environment Studies  
Panjab University, Chandigarh

**Subject: Invitation for Board of Studies Meeting in the Department of Botanical and Environmental Sciences, SBBSU**

Dear Sir,

This is to bring to your kind notice that meeting of Board of Studies (BOS) for Department of Botanical and Environmental Sciences (Institute: UIS), SBBSU, Khiala, Jalandhar is going to be held on 20<sup>th</sup> Aug, 2021. You have been nominated as an external subject expert for the BOS meeting by the competent authority. I feel honor to invite you as an expert for the approval of course scheme and syllabus of M.Sc. (Hons.) Botany and interdisciplinary courses of Environmental Sciences and Botany subjects offered by the department in UG and PG Programmes inside the campus of SBBSU. Your experience and expertise will be of great help to the Department and University.

Due to the uncertain pandemic COVID-19 situation and advisories of State/Centre Govt. as well as UGC/MHRD, the BOS meeting will be conducting through online mode. Therefore you are requested to kindly spare your valuable time to participate in the same on 20/08/2021 (Friday) at 11:00 am.

Regards

(Dr. Indu Sharma)  
Dean Academics



# **Sant Baba Bhag Singh University**

(University Established under Punjab Act No. 6 of 2015)  
Vill. Khiala, P.O. Padhiana, Dist. Jalandhar, Punjab, INDIA

## External Expert Review Performa For Board of Studies

Name of External Expert : Professor Daizy R. Batish  
Discipline : Botany  
Designation : Professor  
Organization (Name & Address) : Department of Botany, Panjab University,  
Chandigarh  
Contact No. : 9815603706  
E-Mail ID : daizybatish@yahoo.com  
Date of Visit/Meeting : 20-8-2021

### Reviewer's Comments :-

The course scheme and syllabus of MSc (Hons.) Botany with programme code PG029 is in accordance with CBCS, UGC. The syllabus content is quite enriched, meet international standards and student centric. It will fulfill the learning needs of the students. Hence it is duly approved and for the admission of 2021 onwards.

Signature

DAIZY R. BATISH

Date.....20-8-21

Coordinator/HOD's/Dean's

Dean Academics

External Expert Review Performa For Board of Studies





# Sant Baba Bhag Singh University

(University Established under Punjab Act No. 8 of 2013)  
Vill. Khiala, P.O. Padkhiana, Dist. Jalandhar, Punjab, INDIA

## External Expert Review Performa For Board of Studies

Name of External Expert : Professor Harminder Pal Singh  
Discipline : Environment Studies  
Designation : Professor  
Organization (Name & Address) : Department of Environment Studies, Panjab  
University, Chandigarh  
Contact No. : 9878942694  
E-Mail ID : hpsingh\_01@yahoo.com  
Date of Visit/Meeting : 20-8-2021

### Reviewer's Comments :-

The interdisciplinary courses of Botany and Environmental Science subjects offered by the department of Botanical and Environmental Sciences are also approved for the admissions 2021 onwards as these courses are well in the interest of the students, flexible and are of high standards.

*Harminder*  
Signature

(H.P. Singh)

Date.....20/8/21

*K. Singh*  
20/08/21  
Coordinator/HOD's/Dean's

*Shah*  
20.08.2021  
Dean Academics



# Sant Baba Bhag Singh University

(University Established under Punjab Act No. 6 of 2013)  
Vill. Khiala, P.O. Padhlana, Dist. Jalandhar, Punjab, INDIA

## External Expert Review Performa For Board of Studies

Name of External Expert : Professor Harminder Pal Singh  
Discipline : Environment Studies  
Designation : Professor  
Organization (Name & Address) : Department of Environment Studies, Panjab  
University, Chandigarh  
Contact No. : 9878942694  
E-Mail ID : hpsingh\_01@yahoo.com  
Date of Visit/Meeting : 20-8-2021

### Reviewer's Comments :-

The course scheme and syllabus of MSc (Hons.) Botany with programme code PG029 is quite well-structured and rich in content. It is of global standards and will benefit learning of the students. It is duly approved and for the admission of 2021 onwards.

*Harminder*  
Signature  
(H. P. Singh)  
Date...20/8/21....

*N. Arora*  
20/08/21  
Coordinator/HOD's/Dean's

*Adhy*  
20.08.2021  
Dean Academics

## External Expert Review Performa For Board of Studies

Name of External Expert : Professor Harminder Pal Singh





# **Sant Baba Bhag Singh University**

(University Established under Punjab Act No. 6 of 2015)  
Vill. Khiala, P.O. Padhiana, Dist. Jalandhar, Punjab, INDIA

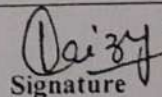
## **External Expert Review Performa For Board of Studies**

Name of External Expert : Professor Daizy R. Batish  
Discipline : Botany  
Designation : Professor  
Organization (Name & Address) : Department of Botany, Panjab University,  
Chandigarh

Contact No. : 9815603706  
E-Mail ID : daizybatish@yahoo.com  
Date of Visit/Meeting : 20-8-2021

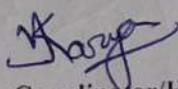
### **Reviewer's Comments :-**

The interdisciplinary courses of Botany and Environmental Science subjects offered by the department of Botanical and Environmental Sciences stand approved as these courses are quite enriched and are of high standards for the admissions 2021 onwards.

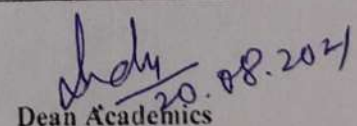
  
Signature

DAIZY R BATISH

Date... 20-8-21



Coordinator/HOD's/Dean's

  
Dean Academics

**Sant Baba Bhag Singh University, Jalandhar**  
**Department of Physical Sciences**

Ref. No. SBBSU/UIS/PS/2021/ 80a

Date: 8/7/2021

**Proceeding of Departmental Academic/Curriculum Development Committee  
(CDC) for curriculum revision of different courses of UG & PG programmes  
offered by Department of Physical Sciences for Academic session 2021-2022**

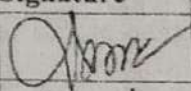
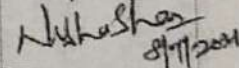
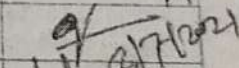
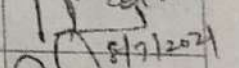
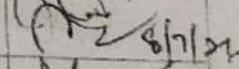
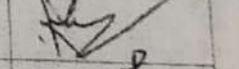
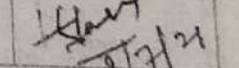
For curriculum revision, meeting of Departmental Academic/Curriculum development committee of Physical Sciences was held on 6/7/2021 at 3:20pm in the office of COD, Physical Sciences.

**Agenda for the Meeting:**

- Revision in course curriculum of various courses of UG & PG programmes offered by Department of Physical Sciences for Academic session 2021-2022 on the basis of feedback from stakeholders and need of the programmes.
- Finalization of schedule & Experts for BOS for different disciplines

Following members have discussed and approved the agenda.

**Members present:**

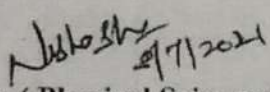
Name	Designation	Position	Signature
Dr Vikas Sharma	Dean UIS	Chairperson	
Dr. Nisha Sharma	COD, Physical Sciences Associate Professor Chemistry	Convener	 8/7/2021
Dr Mithu Maiti Jana	Associate Professor Chemistry	Member	 8/7/2021
Dr. Anju Sood	Associate Professor Mathematics	Member	 8/7/2021
Dr. Inderdeep Singh	Assistant Professor Mathematics	Member	 8/7/21
Dr. Ashima Kanwar	Assistant Professor Mathematics	Member	 8/7/21
Dr. Honey Sharma	Assistant Professor Physics	Member	 8/7/21

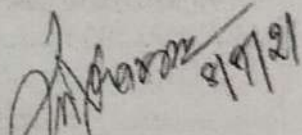
Sr. No.	Agenda	Decision
1	Feedback of stakeholders	1.1 Feedback on curriculum has been received from different stakeholders (Students, Alumni, Teachers, Employers) and have been analysed. 1.2 Analysis report of feedback on curriculum have been discussed and action taken of the feedback have been discussed and finalized.



2	Revision in course curriculum	<p>2.1 On the basis of feedback , various aspects of revision to be carried out in course curriculum have been discussed.</p> <p>2.2 Keeping in view the online mode of teaching since last session &amp; availability of instruments/chemicals in various lab, it has been suggested to incorporate some experiments from virtual labs resources in various practical courses of UG/PG programmes so that students could be benefited in this pandemic scenario via online virtual experiments.</p> <p>2.3 Syllabus for various courses could be revised keeping in view current needs of industry, technological aspects as well as to provide better employability &amp; skills in concerned discipline.</p> <p>2.4 Suggestions on syllabus revision have been collected from subject especially on subjects taught by them in last academic year.</p> <p>2.5 Detailed recommended syllabus revision for each discipline (Chemistry, Physics, and mathematics) has been discussed by CDC so that it could be approved through Board of Studies 2021 and could be implemented from next academic session 2021-2022.</p>
3	BOS meeting	<p>3.1 Meeting of Board of studies for approval of syllabus revision have to be conducted before the commencement of next academic session.</p> <p>3.2 Expert panel for different disciplines viz: Chemistry, Physics, Mathematics have been discussed and finalized.</p>

The meeting ended with thanks to the chair.

  
Coordinator (Physical Sciences)

  
Dean( Institute)



Points of Revision/Addition in Syllabi & Schemes of Chemistry, Batch-2021 onwards

Recommended syllabus Revision (Chemistry) by Departmental CDC for BOS 2021

S. No	Programme /sem	Course Name	Course Code	Remark
New coursesto be introduced				
1	B.Sc Non Medical/ Medical 5th	Molecules of Life	CHM301	New course introduced as Discipline specific Elective for B.Sc Non Medical/B.Sc Medical 5th sem
2	B.Sc Non Medical/ Medical 5th	Molecules of Life Practical	CHM303	New course introduced as Discipline specific Elective for B.Sc Non Medical/B.Sc Medical 5th sem
3	MSc Hons Chemistry	Main group Chemistry	CHM501	As per the specifilization aspects of Chemistry, A core course of Main group Chemistry (Inorganic specifilization) in incorporated in 1st semester in M.Sc Hons. Chemistry)
4	MSc Hons Chemistry	Coordination Chemistry	CHM502	As per the specifilization aspects of Chemistry, A core course of Main group Chemistry (Inorganic specifilization) in incorporated in 1st semester in M.Sc Hons. Chemistry)
5	MSc Hons Chemistry	Advanced Soild state Chemistry	CHM615	New course of Advanced solid state Chemistry has been introduced as an elective course in 3rd semester of M.Sc Hons. Chemistry as specialization oriented subject.
6	MSc Hons Chemistry	Analytical Chemistry	CHM621	New course of analytical chemistry has been introduced as elective course in 3rd semester of M.Sc Hons. Chemistry to enhace the experimental ability and employble skills
7	MSc Hons Chemistry	Chemical Kinetics & Chemical Equilibrium	CHM623	New course of Chemical Kinetics & Chemical Equilibrium has been introduced as an elective course in 4th semester of M.Sc Hons. Chemistry as specialization oriented subject as well as important for UGC -NET examination.
8	MSc Hons Chemistry	Organic reaction & Reagents	CHM622	New course of Organic reaction & Reagents has been introduced as an elective course in 4th semester of M.Sc Hons. Chemistry as specialization oriented subject as well as important for UGC -NET examination.

Revision in Syllabus

No	Programme /sem	Course Name	Course Code	Remark
1	MSc Hons Chemistry	Quantum Chemistry	CHM506	Introduction of some relevant content as per UGC/CSIR-NET point of view.
2	MSc Hons Chemistry	Organometallics Chemistry and Metal Clusters	CHM605	Introduction of some relevant content as per UGC/CSIR-NET point of view.

*Nisha*

*6/7/2021*



16	B.Tech (All Braches)	Engineering Chemistry	CHM105	Revision in Syllabus has been carried out as per the request of UIET and As per model curriculum provided by AICTE for B.Tech.
17	B.Tech (All Braches)	Engineering Chemistry Lab	CHM107	Revision in Syllabus has been carried out as per the request of UIET and As per model curriculum provided by AICTE for B.Tech.
18	Proposed			
19	B.Sc Non Medical	Practical training		As per UGC guidelines and NEP 2021, practical training have to be included in course curriculum of UG programmes to improve their technical skills and employability and competence. Students have to complete 72 Hour training during the three year degree tenure of

Nishu

8/7/21

*[Signature]*