

Sant Baba Bhag Singh University, Jalandhar
Department of Life Sciences and Allied Health Sciences

Ref. No. SBBSU/LS/2023/301

Date: 22/12/2023

Departmental Academic/Curriculum Development Committee (CDC) Meeting Proceeding

These was a meeting of Departmental Academic/Curriculum development committee of Life Sciences and Allied Health Sciences on 22nd December 2023 in HODOffice at 3:20pm.

Members present:

Name	Designation	Signature
Dr. Shweta Singh	HOD, Associate Professor	
Dr. Aksh Sharma	COD, Assistant Professor	
Dr. Indu Sharma	Associate Professor	
Dr. Chetna Sharma	Assistant Professor	
Dr. Vivek	Assistant Professor	
Dr. Talib Hussain Dar	Assistant Professor	
Dr. Younis Hajam Ahmad	Assistant Professor	
Mr Rajdeep Singh	Assistant Professor	

Agenda for the Meeting:

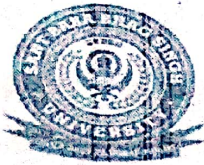
- Revision in course curriculum of various programmes based on feedback from stakeholders.
- Introduction of new course.
- Finalization of schedule & Experts for BOS for different disciplines

Sr. No.	Agenda	Decision
1	Feedback of stakeholders	Final analysis report of feedback received from various stakeholders (Students, Teachers, Employers, Alumni) on curriculum have been discussed.
2	Revision in course Curriculum	2.1 As per the feedback on curriculum by various stakeholders, and analysed through IQAC, various aspects of revision in course curriculum have been discussed. 2.2 Syllabus for PG programmes could be revised as per current needs of competitive exams (NET/ SET), industry, technological aspects as well as to provide better employability & skills in concerned discipline. 2.3 All subject teachers should submit the due suggestions for syllabus revision so that it could be implemented in next academic year and approved through Board of Studies.
3	Introduction of new course	The introduction of the PG course in Medical Radiology and Imaging Technology from the upcoming semester.
3	BOS meeting	3.1 As per the orders from higher authorities, Meeting of Board of studies for approval of syllabus revision have to be conducted before the commencement of next academic session. Expert panel for different disciplines viz: B.Sc. MLS & M.Sc. Medical Microbiology have been discussed and finalized. 3.2 Tentative date for the same have been proposed on the basis of approval and availability of Experts.

The meeting ended with thanks to the chair.

Dr. Shweta Singh
HOD

Dr. Aksh Sharma
COD



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/UIS/LS/2023/ 302

Date: 23/12/2023

To
The Vice Chancellor
SBBS University,
Jalandhar

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

Respected Sir,


It is submitted that Department of Life Sciences & Allied Health Sciences have to conduct BOS for Programme M.Sc. Medical Microbiology on 2nd January, 2024 through Hybrid (offline/online) mode. Kindly approve the subject Expert from the following panel.

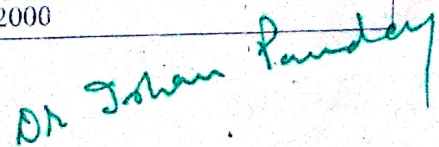
Panel of Experts			
S No.	Name	Designation	Affiliation (University/Institute)
1	Dr. Shalabh Jauhri	Associate Professor Deptt. of Microbiology	Doon Medical College Dehradun Mob. 9456422281 drs.jauhri09@gmail.com
2	Dr. Ishan Pandey	Research Scientist "C"- Department of Health Research (DHR)	Moti Lal Nehru Medical College, Prayagraj Mob. 8707292356 ishan.pandey411@gmail.com
3	Dr. Rishi Kumar Saxena	Associate Professor Institute of Life Science (Department of Microbiology)	Bundel Khand University, Jhansi Mob. 9458242386 rishiksaxena01@gmail.com
4	Dr. Sandeep Sharma,	Professor, Department of Medical Laboratory Sciences	Lovely Professional University 9682605898 Sandeep.23995@lpu.co.in


Kindly approve the Honorarium for the subject expert.

Honorarium to Subject Expert(BOS)	2000
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Thanking you in anticipation


Dr. Shweta Singh 23/12/23
HOD (Life Science and Allied Health Science)
University Institute of Sciences


Dr. Ishan Pandey


22/12/23



Dean UIS SBBSU <duishsbbsu@gmail.com>

Invitation for Board of Studies Meeting in the Department of Life Sciences & Allied Health Sciences, SBBSU

3 messages

27 December 2023 at 12:47

Dean UIS SBBSU <duishsbbsu@gmail.com>

To: ishan.pandey411@gmail.com

Cc: Life Sciences & Allied Health Sciences SBBSU <lifescience.sbbsu@gmail.com>, "Dr. Anupamdeep Sharma" <deanacademicsbbsu@gmail.com>

Dr. Ishan Pandey
Scientist "C" Multi-Disciplinary Research Unit (MRU)
Department of Health Research (DHR)
Moti Lal Nehru Medical College (MLNMC),
Prayagraj, (UP)

Dear Sir,

This is to bring to your kind notice that meeting of Board of Studies (BOS) of Department of Life Sciences & Allied Health Sciences (Institute: UIS), SBBSU, Khiala, Jalandhar is going to be held on 2 nd January, 2024. 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 the course scheme and syllabus of M.Sc in Medical Microbiology. Your experience and expertise will be of great help to the Department and University.

Therefore, you are requested to kindly spare your valuable time to participate (through online mode) in the same on 2/01/2024 (Tuesday) at 11:00 am.

Regards

Dean UIS

Ishan Pandey <ishan.pandey411@gmail.com>

To: Dean UIS SBBSU <duishsbbsu@gmail.com>

Cc: Life Sciences & Allied Health Sciences SBBSU <lifescience.sbbsu@gmail.com>, "Dr. Anupamdeep Sharma" <deanacademicsbbsu@gmail.com>

27 December 2023 at 12:49

Thanks for the email. I accept the invitation.

I will be there on time.

Regards

Dr. ISHAN PANDEY
Ph.D. (Medical Microbiology)
Scientist-C
Multi-Disciplinary Research Unit (MRU)
Department of Health Research (DHR)
Moti Lal Nehru Medical College (MLNMC)
Prayagraj-211001(U.P.)-INDIA
Phone : 9198177801; 8707292356

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28 Dec 2023 at 13:24



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Sant Baba Bhag Singh UNIVERSITY

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

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

Ref. No: SBBSU/LS/2023/303

Dated: 23/12/2023

Meeting Circular

It is my pleasure to inform you that you have been appointed as a member of the Board of Studies (BOS) meeting of Microbiology for course viz: M.Sc. Medical Microbiology offered by Life Sciences & Allied Health Sciences as per CBCS.

List of the BOS members is given below:

S.No.	Name	Subject	Designation	Institute	Position	Signature
1.	Dr. Amrinder Singh Minhas	Mechanical Engineering	Dean Academics	Sant Baba Bhag Singh University, Jalandhar	Chairperson	
2.	Dr. Shweta Singh	Microbiology	Dean UIS	UIS	Member	
3.	Dr. Ishan Pandey	Medical Microbiology	Scientist "C" Department of Health Research	Moti Lal Nehru Medical College, Prayagraj	Expert Member	Online Informed
4.	Dr. Aksh Sharma	Biotechnology	Assistant Professor, Coordinator, Department of Life Sciences and Allied Health Sciences	UIS	Member	
5.	Dr. Chetna Sharma	Biochemistry	Assistant Professor	UIS	Internal Member	
6.	Ms. Sonia	MLT (Microbiology)	Assistant Professor	UIS	Internal Member	
7.	Dr. Jagdeep Kaur (Dean/Dy. Dean UIET)/ Her representative				Member	
8.	Dr. Aneet Kumar (Dean/Dy. Dean UIE)/ His representative				Member	
9.	Dr. Pooja Bali (Dean/ Dy. Dean UIL, UICAS)/ Her representative				Member	
10.	Dr. Aneet Kumar (Dean /Dy. Dean UICM)/Her representative				Member	

You are requested to attend the meeting on 02/01/2024 (Tuesday) at 11:00 AM onwards through online mode. All are requested to join online as per the link details provided through email.





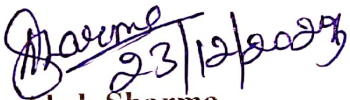
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Village: Khiala: PO: Padhiana, Distt: Jalandhar 144030

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

The Agenda will be as follows:

1. Discussion and revision of course scheme and syllabus of M.Sc. Medical Microbiology, Programme Code, PG032 and B.Sc. Medical Laboratory science (MLS) according to CBCS for the admissions session 2023-2024 onwards.
2. Incorporation and revision of PO, PEO, PSO, and CO in the light of revised syllabus.
3. Discussion and approval on curriculum aspects on the basis of Feedback of stakeholders.
4. Amendments of any suggestions by the experts regarding scheme and syllabus.


23/12/2023
Dr Aksh Sharma
Coordinator
Life Sciences and Allied health Sciences
SBBSU


23/12/23
Dr. Shweta Singh
Dean UIS, SBBSU

SANT BABA BHAG SINGH UNIVERSITY



University Institute of Sciences (UIS)


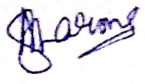
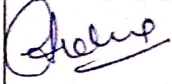
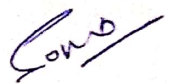

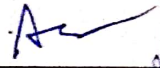
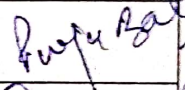
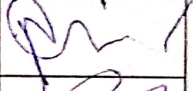
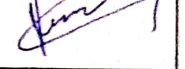
Ref. No: SBBSU/LS/2024/304(b)

Dated: 2/1/2024

Subject: Proceedings of the meeting of Board of Studies (BoS) of Programme Microbiology for course viz: M.Sc. Medical Microbiology offered by Life Sciences & Allied Health Sciences as per CBCS.

The meeting of members of BoS was held on 2/1/2024 11:15 am onwards, at Department of Life Sciences & Allied Health Sciences through blended (Online/Offline) mode. Dr. Ishan Pandey 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. Amrinder Singh	Engineering	Dean Academics	Sant Baba Bhag Singh University, Jalandhar	Chairperson	
2.	Dr. Shweta Singh	Department of Life Science, Allied Health Science and agriculture Science	Dean UIS	UIS	Member	
3.	Dr. Ishan Pandey	Microbiology	Associate Professor & Research Scientist "C"	Department of Health Research (DHR)- Multi-Disciplinary Research Unit (MRU), Motilal Nehru Medical college (MLNMC), Prayagraj.	Expert Member	Online

4.	Dr. Shweta Singh	Microbiology	Associate Professor, HOD, Department of Life Sciences and Allied Health Sciences	UIS	Member	
5.	Dr. Aksh Sharma	Biotechnology	Assistant Professor, Coordinator, Department of Life Sciences and Allied Health Sciences	UIS	Internal Member	
6.	Dr. Chetna Sharma	Biochemistry	Assistant Professor	UIS	Internal Member	
7.	Ms. Sonia	Microbiology	Assistant Professor	UIS	Internal Member	
8.	(Dean UIET)/ His/ Her representative				Member	
9.	Dr. Aneet Kumar (Dean UIE)/ His representative				Member	
10	(Dean UIL)/ His/ Her representative				Member	
11	(Dean UICM)/ His/ Her representative				Member	
12	(Dean UICAS)/ His/ Her representative				Member	

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

1. Discussion and revision of course scheme and syllabus of M.Sc. Medical Microbiology, 4 Intern-
for the admissions session 2023 onwards.
2. Discussion and approval on curriculum aspects on the basis of Feedback of stakeholders.
3. Amendments of any suggestions by the experts regarding scheme and syllabus.

Details of Proceedings of BoS Meeting.

S.No.	Programme Name/ Programme Code	Course Code	Course Name	Remarks/Observations by Experts/Stakeholders/BO S Committee members	Action Taken (Batch 2023 onwards)
1	M.Sc MMB/ PG032	MMB523	Immunology & Serology	Minor content, course credit, Course code & nomenclature need	The course name was previously known as Immunology with code (MMB609) shifted from

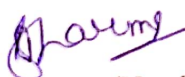
				revision.	3 rd semester to 1 st semester with revised nomenclature.
2	M.Sc MMB/ PG032	MMB525	Immunology & Serology Practical	Major content, course credit, code & nomenclature need revision.	The course name was previously known as Immunology Practical (MMB611) and shifted from 3 rd semester to 1 st semester with revised content and nomenclature.
3	M.Sc MMB/ PG032	EVS003	Natural Hazards & Disaster Management		Course shifted from 2 nd semester to 1 st semester to adjust total credits
4	M.Sc MMB/ PG032	MMB524	Microbial Physiology and Metabolism	The content of the course needs thorough revision	The previous course Biochemistry & metabolism (MMB510) was majorly revised and applied as new course "Microbial Physiology and Metabolism".
5	M.Sc MMB/ PG032	MMB526	Microbial Physiology and Metabolism Practical	The content of the course needs thorough revision	The previous course Biochemistry & metabolism Practical (MMB512) was majorly revised and applied as new course "Microbial Physiology and Metabolism Practical".
6	M.Sc MMB/ PG032	MMB530	Anatomy & Physiology	Minor content, code & nomenclature need to be revised	The two courses previously known as Medical Anatomy & Physiology I & Medical Anatomy & Physiology II (MMB518 & MMB621) of semester 2 nd and 3 rd were merged as single subject and introduced in 2 nd semester with revised nomenclature and contents.
7	M.Sc MMB/ PG032	MAT515	Biostatistics		Course shifted from 1 st semester to 2 nd semester

					to adjust the overall credits of 2 nd semester
8	M.Sc MMB/ PG032	MMB520	Molecular Biology & Recombinant DNA Technology (RDT)	Major content, course credit, code & nomenclature need to be revised.	The two courses Molecular Biology (MMB515) and Recombinant DNA Technology (MMB613) from semester 1 st and 3 rd has been merged into one course and incorporated in the curriculum in semester 2 nd with 4 credits instead of 3.
9	M.Sc MMB/ PG032	MMB522	Molecular Biology & Recombinant DNA Technology (RDT) Practical	Practical contents need revision with the addition of new practicals.	Incorporated in the curriculum with 2 credits in semester 2 nd .
10	M.Sc MMB/ PG032	MMB627	Medical Parasitology and Entomology	Contents need minor revision	The course was previously known as Medical Parasitology (MMB506) with credits 3 was offered in semester 2 nd After content revision, the course credits were increased from 3 to 4 and incorporated in 3 rd semester.
11	M.Sc MMB/ PG032	MMB629	Medical Parasitology and Entomology Practical	Contents need minor revision	Course content and nomenclature was revised from Medical Parasitology (MMB508) to Medical Parasitology and Entomology Practical (MMB629) and shifted from semester 2 nd to 3 rd .
12	M.Sc MMB/ PG032	MMB631	Microbial Omics	An advanced course to study microorganisms at molecular level needs to be introduced	New course is incorporated in the curriculum with 3 credits as DSE pool.

13	M.Sc MMB/ PG032	MMB633	Epidemiology and Public Health	Growing need for Epidemiologist at national and international level make it essential course for medical professionals.	New course is incorporated in the curriculum with 3 credits as DSE pool.
14	M.Sc MMB/ PG032	MMB603	Medical Mycology (Practical)	Minor content revised with addition of experiments.	Few practicals introduced.
15	M.Sc MMB/ PG032	MMB607	Medical Virology (Practical)	Minor content revised with addition of experiments.	Few practicals introduced.
16	MDC/ID	MMB542	Chemistry of Biological Molecules	Approved with the same code & content	New course introduced & implemented as an ID course.
17	B.Sc. MLS/UG028	MLS307	Cellular and Histopathology Practical	Major content revised with addition of experiments.	New practicals introduced.

Meeting ended with the thanks by Dean Academics.

Thank you in anticipation



In-Charge/Coordinator/Head of the Department



Dean of Institute

Some Glimpse of BOS meeting

Ms Sharma (You, presenting)

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

SEMESTER I

I. Theory Subjects

S. No	Sub Code	Subject Name	Contact Hours (L:T:P)	Credits (L:T:P)	Total Contact Hours	Total Credits Hours	Course Type
1	MMB501	Basic Medical Microbiology	4.0.0	4.0.0	4	4	CC
2	MMB505	Systematic Bacteriology	4.0.0	4.0.0	4	4	CC
3	MMB515	Molecular Biology	3.0.0	3.0.0	3	3	CC
4	MMB519	Bioanalytical Techniques	3.0.0	3.0.0	3	3	CC
5	MMB521	Bioethics, Bios & Intellect Property Right					SECC

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11:33 | kem-qjoh-xjz

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Ms Sharma (Presenting)

II. Practical Subjects

3	MMB627	Molecular Biology & Recombinant DNA Technology (RDT)	4.0.0	4.0.0	4	4	CC
4	MMB631	Microbial Oenics					
5	MMB619	Applications of Microbiology	3.0.0	3.0.0	3	3	DSE
6	MMB633	Epidemiology and Public Health					
7	MMB623	Bio-informatics	2.0.0	2.0.0	2	2	SECC
8	MMB635	Molecular Diagnostics					
9	MMB615	Research Methodology	3.0.0	3.0.0	3	3	AECC

1	MMB603	Medical Mycology (Practical)	0.0.4	0.0.2	4	2	CC
2	MMB607	Medical Virology (Practical)	0.0.2	0.0.1	2	1	CC
3	MMB629	Molecular Biology & Recombinant DNA Technology (RDT) (Practical)	0.0.4	0.0.2	4	2	CC

11:40 AM | kem-qjoh-xjz

11:40 02-01-2024

Web

Sharma

Ms Sharma (You, presenting)

Medical M. and 2.1.24

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applications of RDT in medicine and microbial diagnostics

UNIT-I
Introduction: History of molecular biology, Importance of Molecular Biology, Central dogma of Molecular Biology, Model organisms for studying Molecular Biology

Structure and function of genetic material: Secondary and tertiary structure of nucleic acids; Types of RNA - rRNA, tRNA and mRNA, Watson Crick model of DNA, forms of DNA (A, B and Z), DNA supercoiling.

DNA Replication: Proof of semi-conservative nature of DNA replication, DNA polymerases, Mechanism of bidirectional DNA replication in pro & eukaryotes, Causes and type of DNA damage and repair mechanisms.

UNIT-II
Transcription: RNA structure and types of RNA, Transcription in prokaryotes and eukaryotes, Prokaryotic RNA polymerase, role of sigma factor, promoter, initiation, elongation and termination of RNA chains, Processing of RNA, mRNA capping and polyadenylation, RNA splicing

Translation: Components of translational machinery (tRNA, rRNA, ribosomes and aminoacyl tRNA synthetases), Mechanism of translation: Initiation, elongation and termination, Post translational modifications of proteins.

UNIT-III
Enzymes used in DNA technology: Restriction Endonucleases, DNA modifying enzymes- Nucleases.

11:49 | kem-qjoh-rjz

11:49 02-01-2024

Stop presenting

ashish patel

rafi dar

ashish sharma

aminder singh

D Dean US SBSU

yousuf mohamed

11:49 02-01-2024

met

Sharma



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. Ishan Pandey
Discipline : Medical Microbiology
Designation : Previous (Associate Professor),
Present- Research Scientist Grade II (scientist C)
Organization (Name & Address) : Previous (Dept. Of Microbiology, BBDCODS,
BBD university, Lucknow (UP).
Present- (DHR- MRU, Motilal Nehru Medical
College, Prayagraj-211001 (UP)
Contact No. : 9198177801/ 8707292356
E-Mail ID : ishan.pandey411@gmail.com
Date of Visit/Meeting : 02/01/2024

Reviewer's Comments :-

General Remarks: Overall, the structure of syllabus of this programme is relevant. Few changes are recommended as below:

Immunology (Theory & Practical): Course contents needs revision with incorporation of serological aspects.

Biochemistry & metabolism (Theory & Practical): Needs major revision, add microbial physiology to this subject.

Molecular Biology and Recombinant DNA Technology (Theory & Practical): Merge these two courses with increased credit

Medical Parasitology (Theory): Minor revision may be done. Add Entomology content into the syllabus of this course.

Enhanced the course paper in discipline specific pool, add some advanced courses relevant to research & industry such as: 1. Microbial Omics 2. Epidemiology and Public Health

Medical Mycology (Practical): Few practicals may be added in addition to the existing ones.

Medical Virology (Practical): Few practicals may be added in addition to the existing ones.

For UG course (B.Sc. MLS): Minor content revision in the courses (Fundamentals of Biology lab. & Cellular Pathology lab. has been suggested as follows:

1. Fundamentals of Biology lab is not required for students with PCB background.
2. Cellular and Histopathology Practical - Need to revised.

Signature
(Dr. Ishan Pandey)

Date: 02.01.2024

Coordinator/HOD's/Dean's

Dean Academics

