



UNIVERSITY OF JAMMU

(NAAC ACCREDITED A + GRADE UNIVERSITY)
Baba Sahib Ambedkar Road, Jammu-180006 (J&K)

NOTIFICATION (24/April/Gen/e)

Based on the recommendations made by the Board of Studies in Pharmacy in the Faculty of Science at its meeting held on 11.12.2023, it is hereby notified for the information of all concerned that the Vice-Chancellor, in anticipation of the approval of the Competent Bodies, has been pleased to authorize the following amendments in Statutes/Syllabus governing the degree of Bachelor of Pharmacy (B.Pharm) Course enclosed as Annexure (01-09):

No. F.Acd/III/24/ 13 62-70
Dated: 30/04/2024

Copy for information & necessary action to:-

1. Sr. PA to the Dean Academic Affairs.
2. Sr. P.A. to the Controller of Examinations.
3. Dean Faculty of Science.
4. Principal, Madre-e-Meharban Institute of Health Sciences, Jammu/JSS College of Pharmacy, Jammu/SVS Pharmacy College, Sunderbani
5. Joint Registrar (Exams Prof./Eval Prof.)
6. Assistant Registrar (Confidential).
7. Incharge University Website.

Anju Bhacini 25/4/2024
Dean Academic Affairs
Sumit 24/4/24
Subjeet 23/4/24
Rishu 23/4/24
Rishu 23/4/24

MEETING OF THE BOARD OF STUDIES IN PHARMACY IN THE FACULTY OF SCIENCE

Proposed Modifications in the Syllabus and Statutes of Bachelor of Pharmacy

CHAPTER 1: STATUTES

EXISTING	PROPOSED
<p>Page i, Heading DRAFT STATUTES GOVERNING THE DEGREE OF BACHELOR OF PHARMACY (B. Pharm) COURSE OF JAMMU UNIVERSITY</p>	<p>To be read as: DRAFT STATUTES GOVERNING THE DEGREE OF BACHELOR OF PHARMACY (B. PHARM.) COURSE OF JAMMU UNIVERSITY</p>
<p>Page ii, iii Section 2.3 2.3 The number of seats for which direct admission to 3rd semester shall be made will be governed by :-</p> <p>(i) The number of vacancies arising in 3rd semester consequent to discontinuation of studies by candidates admitted to the 1st semester of the course previously or vacancies carried forward due to insufficient number of admission made to first semester of the batch.</p> <p>(ii) The University may also permit additional intake to the extent of 10% of approved seats of the course at the time of direct admission to 3rd semester or such additional intake as prescribed by PCI. This shall be over and above the approved intake capacity.</p> <p>(iii) Migration of a student from a Pharmacy institution affiliated to a recognized Indian University may be permitted in 3rd semester of BPharm course provided that the curriculum of the course studied by the applicant candidate during I & II semester conforms to the scheme of the course of the Pharmacy Council of India. Not more 2 such students may be accommodated during an academic session.</p>	<p>To be read as:</p> <p>2.3 The number of seats for which direct admission to 3rd semester shall be made will be governed by:-</p> <p>(i) The number of vacancies arising in 3rd semester consequent to discontinuation of studies by candidates admitted to the 1st semester of the course previously or vacancies carried forward due to insufficient number of admissions made to first semester of the batch.</p> <p>(ii) The University may also permit additional intake to the extent of 10% of approved seats of the course at the time of direct admission to 3rd semester or such additional intake as prescribed by PCI. This shall be over and above the approved intake capacity.</p> <p>(iii) Inter-university and Inter-college Migration:</p> <p>a) Inter-university migration to/from a recognized Indian University may be permitted in 3rd semester of B. Pharmacy course, provided the syllabi and course of study of the two Universities is in conformity with PCI regulation.</p> <p>b) Migration of a B. Pharmacy student of one Pharmacy College affiliated with Jammu University may be permitted to another affiliated Pharmacy college of the University in accordance with statutes of the University regulating intercollege migration. However, the migration of a student of B. Pharmacy from a private College to a Government Pharmacy institute shall need additional clearance from the UT Govt.</p>

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Dr. B. D. V...

Arjun B

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Dr. Harsh M. N...*

Dr. Gazanfar Ahmad

Rajesh K. Thapa

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Dr. Rahul...

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Admission to 1st semester of the course shall be made on the dates announced by the Board of Professional Entrance Examination or the UT Government. However, Vice Chancellor, on the recommendation of the Principal of the College may permit late admission of a candidate on payment of prescribed late fee within 30 days of classification.

Admission to 1st semester of the course shall be made on the dates announced by the Board of Professional Entrance Examination or the UT Government. However, Vice Chancellor, on the recommendation of the Principal of the College may permit late admission of a candidate on payment of prescribed late fee within 30 days of classification.

EXISTING

PROPOSED

Page iv, Section 4.1

Course Code	Name of the course	No. of hours	Tutorial	Credit points
BP101T	Human Anatomy and Physiology I- Theory	3	1	4
BP102T	Pharmaceutical Analysis I – Theory	3	1	4
BP103T	Pharmaceutics I – Theory	3	1	4
BP104T	Pharmaceutical Inorganic Chemistry – Theory	3	1	4
BP105T	Communication skills – Theory *	2	-	2
BP106RBT	Remedial Biology/	2	-	2
BP106RMT	Remedial Mathematics – Theory*	-	-	-
BP107P	Human Anatomy and Physiology – Practical	4	-	2
BP108P	Pharmaceutical Analysis I – Practical	4	-	2
BP109P	Pharmaceutics I – Practical	4	-	2
BP110P	Pharmaceutical Inorganic Chemistry – Practical	4	-	2
BP111P	Communication skills – Practical*	2	-	1
BP112RBPP	Remedial Biology – Practical*	2	-	1
Total		32/34\$/36#		27/29\$/30 #

To be read as:

Course Code	Name of the course	No. of hours	Tutorial	Credit points
BP101T	Human Anatomy and Physiology-I Theory	3	1	4
BP102T	Pharmaceutical Analysis-I Theory	3	1	4
BP103T	Pharmaceutics-I Theory	3	1	4
BP104T	Pharmaceutical Inorganic Chemistry Theory	3	1	4
BP105T	Communication Skills Theory *	2	-	2
BP106RBT	Remedial Biology/	2	-	2
BP106RMT	Remedial Mathematics Theory*	-	-	-
BP107P	Human Anatomy and Physiology-I Practical	4	-	2
BP108P	Pharmaceutical Analysis-I Practical	4	-	2
BP109P	Pharmaceutics-I Practical	4	-	2
BP110P	Pharmaceutical Inorganic Chemistry Practical	4	-	2
BP111P	Communication Skills Practical*	2	-	1
BP112RBPP	Remedial Biology Practical*	2	-	1
Total		32/34\$/36#		27/29\$/30 #

#Applicable ONLY for the students who have studied Mathematics / Physics / Chemistry at HSC and appearing for Remedial Biology (RB) course.

\$Applicable ONLY for the students who have studied Physics / Chemistry / Botany / Zoology at HSC and appearing for Remedial Mathematics (RM) course.

* Non University Examination (NUE)

#Applicable ONLY for the students who have studied Mathematics/Physics/Chemistry at HSC and appearing for Remedial Biology (RB) course.

\$Applicable ONLY for the students who have studied Physics/Chemistry/Botany/Zoology at HSC and appearing for Remedial Mathematics (RM) course.

* Non-University Examination (NUE)

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Page vi, Section 4.6

Course Code	Name of the course	No. of hours	Tutorial	Credit points
BP601T	Medicinal Chemistry III – Theory	3	1	4
BP602T	Pharmacology III – Theory	3	1	4
BP603T	Herbal Drug Technology – Theory	3	1	4
BP604T	Biopharmaceutics and Pharmacokinetics – Theory	3	1	4
BP605T	Pharmaceutical Biotechnology – Theory	3	1	4
BP606T	Quality Assurance – Theory	3	1	4
BP607P	Medicinal chemistry III – Practical	4	-	2
BP608P	Pharmacology III – Practical	4	-	2
BP609P	Herbal Drug Technology – Practical	4	-	2
Total		30	6	30

Page vii, Section 4.8

Course code	Name of the Course	No. of hours	Tutorial	Credit Points
BP801T	Biostatistics and Research Methodology	3	1	4
BP802T	Social and Preventive Pharmacy	3	1	4
*BP803ET	Pharmaceutical Marketing Management	3+3=6	1+1=2	4+4=8
*BP804ET	Pharmaceutical Regulatory Science			
*BP805ET	Pharmacovigilance			
*BP806ET	Quality Control and Standardization of Herbs			
*BP807ET	Computer Aided Drug Design			
*BP808ET	Cell and Molecular Biology			
*BP809ET	Cosmetic Science			
*BP810ET	Experimental Pharmacology			
*BP811ET	Advanced Instrumentation Techniques			
*BP812ET	Dietary Supplements and Nutraceuticals			
*BP813ET	Pharmaceutical Product Development	12	-	6
*BP8-LSSSDC Courses	anyone of skill development courses approved by LSSSDC			
BP814PW	Project Work	12	-	6
Total		24	4	22

*Elective subjects: Student to select any two of the subjects from BP803ET-BP813ET and BP8-LSSSDC courses

PROPOSED

To be read as:

Course Code	Name of the course	No. of hours	Tutorial	Credit points
BP601T	Medicinal Chemistry-III Theory	3	1	4
BP602T	Pharmacology-III Theory	3	1	4
BP603T	Herbal Drug Technology Theory	3	1	4
BP604T	Biopharmaceutics and Pharmacokinetics Theory	3	1	4
BP605T	Pharmaceutical Biotechnology Theory	3	1	4
BP606T	Pharmaceutical Quality Assurance Theory	3	1	4
BP607P	Medicinal Chemistry-III Practical	4	-	2
BP608P	Pharmacology-III Practical	4	-	2
BP609P	Herbal Drug Technology Practical	4	-	2
Total		30	6	30

To be read as:

Course code	Name of the Course	No. of hours	Tutorial	Credit Point
BP801T	Biostatistics and Research Methodology Theory	3+3=6	1+1=2	4+4=8
BP802T	Social and Preventive Pharmacy Theory			
*BP803ET	Pharmaceutical Marketing Management Theory			
*BP804ET	Pharmaceutical Regulatory Science Theory			
*BP805ET	Pharmacovigilance Theory			
*BP806ET	Quality Control and Standardization of Herbs Theory			
*BP807ET	Computer Aided Drug Design Theory			
*BP808ET	Cell and Molecular Biology Theory			
*BP809ET	Cosmetic Science Theory			
*BP810ET	Pharmacological Screening Methods Theory (Contents in syllabus unchanged)			
*BP811ET	Advanced Instrumentation Techniques Theory	12	-	6
*BP812ET	Dietary Supplements and Nutraceuticals Theory			
*BP813ET	Pharmaceutical Product Development Theory			
*BP8-LSSSDC Courses	Anyone of skill development courses approved by LSSSDC Theory	12	-	6
BP814PW	Project Work			
Total		24	4	22

*Elective subjects: Students to select any two of the subjects from *BP803ET to *BP813ET and *BP8-LSSSDC courses.

PS
Mary B
Sudhakar
Asha

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EXISTING	PROPOSED
Page xii, Section 5.3.4 BP405T Pharmacognosy -I Theory	To be read as: BP405T Pharmacognosy & Phytochemistry-I Theory
Page xii, Section 5.3.4 BP409P Pharmacognosy -I Practical	To be read as: BP409P Pharmacognosy & Phytochemistry-I Practical
Page xiii, Section 5.3.5 BP504T Pharmacognosy -II Theory	To be read as: BP504T Pharmacognosy & Phytochemistry-II Theory
Page xiii, Section 5.3.5 BP508P Pharmacognosy -IIPractical	To be read as: BP508P Pharmacognosy & Phytochemistry-II Practical
Page xiv, Section 5.3.6 BP606T Quality Assurance-Theory	To be read as: BP606T Pharmaceutical Quality Assurance Theory
Page xv, Section 5.3.7 BP702T Industrial Pharmacy-Theory	To be read as: BP702T Industrial Pharmacy-II Theory

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EXISTING

Page xvi, Section 5.3.8

Course code	Name of the Course	Continuo us Mode	Internal Assessment			End Semester		Total
			Sessional Exam		Total	Marks	Duration	
			Marks	Duration				
BP801T	Biostatistics and Research Methodology-Theory	10	15	1 Hr	25	75	3 Hrs	100
BP802T	Social and Preventive Pharmacy-Theory	10	15	1 Hr	25	75	3 Hrs	100
*BP803ET	Pharmaceutical Marketing-Theory	10 + 10 = 20	15 + 15 = 30	1 + 1 = 2 Hrs	25 + 25 = 50	5 + 75 150	3 + 3 = 6 Hrs	100 + 100 = 200
*BP804ET	Pharmaceutical Regulatory Science-Theory							
*BP805ET	Pharmacovigilance-Theory							
*BP806ET	Quality Control and Standardization of Herbals-Theory							
*BP807ET	Computer Aided Drug Design-Theory							
*BP808ET	Cell and Molecular Biology-Theory							
*BP809ET	Cosmetic Science-Theory							
*BP810ET	Experimental Pharmacology-Theory							
*BP811ET	Advanced Instrumentation Techniques-Theory							
*BP812ET	Dietary Supplements and Nutraceuticals							
*BP813ET	Pharmaceutical Product Development							
BP8-LSSSDC Courses	anyone of skill development courses approved by LSSSDC							
BP814PW	Project Work	-	-	-	-	150	4 Hrs	150
Total		40	60	4 Hrs	100	450	16 Hrs	550

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PROPOSED

To read as:

Course code	Name of the Course	Internal Assessment				End Semester		Total
		Continuous Mode	Sessional Exam		Total	Marks	Duration	
			Marks	Duration				
BP801T	Biostatistics and Research Methodology-Theory	10	15	1 Hrs	25	75	3 Hr	100
BP802T	Social and Preventive Pharmacy-Theory	10	15	1 Hrs	25	75	3 Hr	100
*BP803ET	Pharmaceutical Marketing Management-Theory	10+10=20	15+15=30	1+1=2 Hrs	25+25=50	75+75=150	3+3=6 Hrs	100+100=200
*BP804ET	Pharmaceutical Regulatory Science-Theory							
*BP805ET	Pharmacovigilance-Theory							
*BP806ET	Quality Control and Standardization of Herbals-Theory							
*BP807ET	Computer Aided Drug Design-Theory							
*BP808ET	Cell and Molecular Biology-Theory							
*BP809ET	Cosmetic Science-Theory							
*BP810ET	Pharmacological Screening Methods-Theory							
*BP811ET	Advanced Instrumentation Techniques-Theory							
*BP812ET	Dietary Supplements and Nutraceuticals-Theory							
*BP813ET	Pharmaceutical Product Development-Theory							
*BP8-LSSSDC Courses	Anyone of skill development courses approved by LSSSDC-Theory							
BP814PW	Project Work					150	4 Hrs	150
Total		40	60	4 Hrs	100	450	16 Hrs	550

*Elective Course

Note: For the Course "Pharmacological Screening Methods-Theory" (BP810ET) the content/syllabus remains the same as "Experimental Pharmacology-Theory". Only the Title of the course changed to remove ambiguity.

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EXISTING	PROPOSED
<p>Page xviii, Section 5.4.2 The minimum number of marks required to pass a course shall be 50% in theory and 50% in practical. In case the student fails to secure 50% in theory and 50% in practical, then he/she shall re-appear for the end semester examination of that course. However, his/her marks of the internal assessment shall be carried over and he/she should be entitled for the grade obtained by him/her on passing the course.</p> <p>A student who does not appear in one or more examinations in which he / she was otherwise eligible to appear, in part or in full, shall be deemed not to have passed the said examination in the first attempt even though he/ she may have passed the said examination in the first appearance. In such the number of missed chances shall also be taken as number of attempts. Such cases and the students failing to pass any semester examination in the first attempt shall not be considered for academic award of Distinction, Academic Prize or Award.</p>	<p>To be read as: The minimum number of marks required to pass a course shall be 50% in theory including Internal Assessment and 50% in practical including Internal Assessment. In case the student fails to secure 50% in theory and 50% in practical, then he/she shall re-appear for the end semester examination of that course. However, his/her marks of the internal assessment shall be carried over and he/she should be entitled for the grade obtained by him/her on passing the course.</p> <p>A student who does not appear in one or more examinations in which he/she was otherwise eligible to appear, in part or in full, shall be deemed not to have passed the said examination in the first attempt even though he/she may have passed the said examination in the first appearance. In such the number of missed chances shall also be taken as number of attempts. Such cases and the students failing to pass any semester examination in the first attempt shall not be considered for academic award of Distinction, Academic Prize or Award.</p>
<p>Page xix, Section 6.1 <i>Entitlement of percentage marks for attendance (theory)</i> 95-100=4, 90-94=3, 85-89=2, 80-89=1, less than 80=0</p>	<p>To be read as: <i>Entitlement of percentage marks for attendance (theory)</i> 95-100=4, 90-94=3, 85-89=2, 80-84=1, less than 80=0. <i>Entitlement of percentage marks for attendance (Practical)</i> 95-100=2, 90-94=1.5, 85-89=1, 80-84=0.5, less than 80=0</p>
<p>Page xx, Section 7.3 Theory paper in a subject will be assessed by the External Examiner and the practical examination in the subject concerned shall be conducted jointly by the external and internal examiner(s) and the award sheet containing the marks of practical (including the internal assessment) shall be compiled and signed by all the examiners.</p>	<p>To be read as: Theory paper in a subject will be assessed by the External Examiner and the practical examination in the subject concerned shall be conducted jointly by the external and internal examiner(s) and the award sheet containing the marks of practical (including the internal assessment) shall be compiled and signed by all the examiners.</p>

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EXISTING					PROPOSED				
CHAPTER 2: SYLLABUS									
Page 6,7 BP107P.HUMAN ANATOMY AND PHYSIOLOGY (Practical)					To be read as: BP107P HUMAN ANATOMY AND PHYSIOLOGY-I Practical				
Page 8,9 BP102T.PHARMACEUTICAL ANALYSIS (Theory)					To be read as: BP102T PHARMACEUTICAL ANALYSIS-I Theory				
Page 10,11 BP108P.PHARMACEUTICAL ANALYSIS (Practical)					To be read as: BP108P PHARMACEUTICAL ANALYSIS-I Practical				
Page 15,16 BP109P.PHARMACEUTICS I (Practical)					To be read as: BP109P PHARMACEUTICS-I Practical				
Page 25					To be read as:				
Marks =50		*ES	*SS		Marks =50		*ES	*SS	
		35	25				35	15	
Page 36,37 BP207P.HUMAN ANATOMY AND PHYSIOLOGY (Practical)					To be read as: BP207P HUMAN ANATOMY AND PHYSIOLOGY-II Practical				
Page 54					To be read as:				
Credits	02	L	T	P	Credits	01	L	T	P
		0	0	02			0	0	01
Page 56					To be read as:				
Marks =50		*ES	*SS		Marks =75		*ES	*SS	
		35	15				50	25	
Page 107,108 BP503.T.PHARMACOLOGY-II (Theory)					To be read as: BP503T PHARMACOLOGY-II Theory				
*Abbreviations: ES= End Semester SS=Sessional									

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Page 137,138,139 BP606T PHARMACEUTICAL QUALITY ASSURANCE (Theory)	To be read as: BP605T PHARMACEUTICAL QUALITY ASSURANCE Theory
Page 145,146 BP 702 T. INDUSTRIAL PHARMACY II (Theory)	To be read as: BP702T INDUSTRIAL PHARMACY-II Theory
Page 151,152 BP 704T: NOVEL DRUG DELIVERY SYSTEMS (Theory)	To be read as: BP704T NOVEL DRUG DELIVERY SYSTEM Theory
Page 158, 159, 160 BP 802T SOCIAL AND PREVENTIVE PHARMACY	To be read as: BP802T SOCIAL AND PREVENTIVE PHARMACY Theory
Page 167, 168, 169, 170 BP805T: PHARMACOVIGILANCE (Theory)	To be read as: BP805ET PHARMACOVIGILANCE Theory
Page 177, 178, 179 BP808ET: CELL AND MOLECULAR BIOLOGY (Elective subject)	To be read as: BP808ET CELL AND MOLECULAR BIOLOGY Theory
Page 182, 183, 184 BP810 ET. PHARMACOLOGICAL SCREENING METHODS	To be read as: BP810ET PHARMACOLOGICAL SCREENING METHODS Theory
Page 185, 186 BP 811 ET. ADVANCED INSTRUMENTATION TECHNIQUES	To be read as: BP811ET ADVANCED INSTRUMENTATION TECHNIQUES Theory
Page 187, 188, 189 BP 812 ET. DIETARY SUPPLEMENTS AND NUTRACEUTICALS	To be read as: BP812ET DIETARY SUPPLEMENTS AND NUTRACEUTICALS Theory
Page 190 BP 813 ET Elective course on Pharmaceutical Product Development	To be read as: BP813ET PHARMACEUTICAL PRODUCT DEVELOPMENT Theory

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