DR. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY, LONERE

Equivalence of Subjects (Degree Pharmacy)

1. Additional/Equivalence of subjects for directly admitted to second year students and the students who are transferred from other University to Second/Third year B. Pharm.

A. Additional subjects for students transferred from other University (Shivaji University, Kolhapur) to DBATU in Second Year B. Pharm. course

Sr. No.	Additional Subjects to be given	Semester in which subjects to be undertaken	Credits (Theory +Practical)
1.	Communication Skills	Sem. – III	2+1=3
2.	Remedial Mathematics	Sem.- III	2+0=2*
3	Biochemistry	Sem.- IV	4+2=6
4.	Computer Applications in Pharmacy	Sem.- IV	3+1=4
5.	Environmental Sciences	Sem.-IV	3+0=3
TOTAL CREDITS			**16/18***

The mark (*) for remedial mathematics indicates that this subject should be applicable to those students who were not having mathematics as one of the subjects at 12th Std.

B. Equivalence of subjects for students transferred from other University (S P Pune University, Pune) to DBATU

Sr. No.	Additional Subjects to be given	Semester in which subjects to be undertaken	Credits (Theory +Practical)
1.	Remedial Mathematics	Sem.- III	2+0=2*
2	Biochemistry	Sem.- IV	4+2=6

3.	Computer Applications in Pharmacy	Sem.- IV	3+1=4
4.	Environmental Sciences	Sem.-IV	3+0=3
TOTAL CREDITS			**13/15***

The mark (*) for remedial mathematics indicates that this subject should be applicable to those students who were not having mathematics as one of the subjects at 12th Std.

The examination of the subjects like communication skill and computer applications in Pharmacy and Environmental sciences should be taken at institute level while the examination of Biochemistry should be conducted at the university level.

C. Students directly admitted to S.Y. B. Pharm. (Lateral entry)

As per the PCI B. Pharm. course regulations (7.2 Page no. 3) the Lateral entry students shall get 52 credit points transferred from their D. Pharm. program. Such students shall take up additional remedial courses of "Communication skills" (Theory and Practical) and "Computer applications in Pharmacy" (Theory and Practical) equivalent to 3 and 4 credit points respectively, a total of 7 credit points to attain 59 credit points maximum of I & II semester.

In addition to PCI recommendation for remedial courses, for equivalence BOS recommends that, such students need to undertake additional subjects/courses that they have not studied in D. Pharm. course.

Sr. No.	Additional Subjects to be given	Semester in which subjects to be undertaken	Credits (Theory +Practical)
1.	Communication Skills	Sem – III	2+1=3
2.	Pharmaceutical Analysis –I	Sem- III	4+2=6
3.	Remedial Mathematics	Sem- III	2+0=2*
4.	Computer Applications in Pharmacy	Sem-IV	3+1=4
5.	Environmental Sciences	Sem-IV	3+0=3
TOTAL CREDITS			**16/18***

The mark (*) for remedial mathematics indicates that this subject should be applicable to those students who were not having mathematics as one of the subjects at 12th Std.

D. Additional subjects for students transferred from other University (Shivaji University, Kolhapur) to DBATU in Third Year B. Pharm. course

Sr. No.	Additional Subjects to be given	Semester in which subjects to be undertaken	Credits (Theory +Practical)
1.	Communication Skills	Sem. – V	2+1=3
2.	Remedial Mathematics	Sem.- V	2+0=2*
TOTAL CREDITS			**03/05***

The mark (*) for remedial mathematics indicates that this subject should be applicable to those students who were not having mathematics as one of the subjects at 12th Std.

E. Equivalence of subjects for those students who are transferred from Shivaji University, Kolhapur to Dr. Babasaheb Ambedkar Technological University, Lonere.

The students who are transferred from Shivaji University, Kolhapur to Dr. Babasaheb Ambedkar Technological University, Lonere due to change in university need to appear for the following subjects to which the equivalence is provided as per following table:-

List of Subjects B. Pharm.

Sem	Code	Subjects as per syllabus Shivaji University, Kolhapur	Code	Equivalent subjects as per the current syllabus of DBATU, Lonere
I	1.1.1	Pharmaceutics	BP103T	Pharmaceutics – I
	1.1.2	Dispensing of Medication & Hospital Pharmacy	BP103T	Pharmaceutics – I
	1.1.3	Pharmaceutical Inorganic Chemistry	BP104T	Pharmaceutical Inorganic Chemistry
	1.1.4	Pharmaceutical Analysis – I	BP102T	Pharmaceutical Analysis I
	1.1.5	Anatomy Physiology & Health Education – I	BP101T	Human Anatomy and Physiology -I
II	1.2.1	Pharmaceutical Technology – I	BP103T	Pharmaceutics – I
	1.2.2	Pharmaceutical Organic Chemistry	BP202T	Pharmaceutical Organic Chemistry I
	1.2.3	Pharmaceutical Analysis – II	BP102T	Pharmaceutical Analysis I
	1.2.4	Anatomy Physiology & Health Education – II	BP201T	Human Anatomy and Physiology II
	1.2.5	Pharmacognosy & Phytochemistry – I	BP405T	Pharmacognosy and Phytochemistry I
III	2.3.1	Physical Pharmacy I	BP302T	Physical Pharmaceutics I
	2.3.2	Pharmaceutical Microbiology & Immunology	BP303T	Pharmaceutical Microbiology
	2.3.3	Pharmaceutical Biochemistry	BP203T	Biochemistry
	2.3.4	Pharmacognosy & Phytochemistry	BP504T	Pharmacognosy and Phytochemistry II
	2.3.5	Biostatistics & Computer Application	BP205T	Computer Applications in Pharmacy
IV	2.4.1	Physical Pharmacy II	BP403T	Physical Pharmaceutics II
	2.4.2	Pharmaceutical Biotechnology	BP605T	Pharmaceutical Biotechnology
	2.4.3	Pharmaceutical Heterocyclic &Polycyclic Chemistry	BP401T	Pharmaceutical Organic Chemistry III
	2.4.4	Pharmaceutical Chemistry	BP401T	Pharmaceutical Organic Chemistry III
	2.4.5	Pharmacology I	BP404T	Pharmacology I
	2.4.6	Environmental sciences	BP206T	Environmental sciences

V	3.5.1	Cosmeticology	BP809ET	Cosmetic Science
	3.5.2	Pharmaceutical Engineering	BP304T	Pharmaceutical Engineering
	3.5.3	Medicinal Chemistry I	BP402T	Medicinal Chemistry I
	3.5.4	Pharmaceutical Polymer Chemistry	BP502T	Industrial PharmacyI
	3.5.5	Pharmacology II	BP503T	Pharmacology II
VI	3.6.1	Pharmaceutical Technology II	BP502T	Industrial Pharmacy I
	3.6.2	Pharmaceutical Unit Operations	BP304T	Pharmaceutical Engineering
	3.6.3	Medicinal Chemistry II	BP601T	Medicinal Chemistry III
	3.6.4	Pharmaceutical Analysis III	BP701T	Instrumental Methods of Analysis
	3.6.5	Pharmacology III	BP602T	Pharmacology III
	3.6.6	Pharmacognosy & Phytochemistry III	BP504T	Pharmacognosy and Phytochemistry II

F. Equivalence of subjects for those students who are transferred from Savitribai Phule Pune University, Pune to DBATU, Lonere

The students who are transferred from Savitribai Phule Pune University, Pune to Dr. Babasaheb Ambedkar Technological University, Lonere due to change in university need to appear for the following subjects to which the equivalence is provided as per following table:-

Sem	Code	Subjects as per syllabus Savitribai Phule Pune University	Code	Equivalent subjects as per the current syllabus of DBATU, Lonere
I	1.1.1	Pharmaceutics - I	BP103T	Pharmaceutics – I
	1.1.2	Modern Dispensing Practices	BP103T	Pharmaceutics – I
	1.1.3	Pharmaceutical Inorganic Chemistry	BP104T	Pharmaceutical Inorganic Chemistry
	1.1.4	Pharmaceutical Organic Chemistry - I	BP301T	Pharmaceutical Organic Chemistry - II
	1.1.5	Human Anatomy & Physiology –I	BP101T	Human Anatomy and Physiology –I
	1.1.6	Communication & soft skills	BP105T	Communication skills
II	1.2.1	Pharmaceutics –I I	BP304T	Exempted for Pharmaceutical

				Engineering
	1.2.2	Dosage Form Design	BP502T	Exempted for Industrial Pharmacy -I
	1.2.3	Pharmaceutical Organic Chemistry - II	BP202T	Pharmaceutical Organic Chemistry - I
	1.2.4	Human Anatomy & Physiology – II	BP201T	Human Anatomy and Physiology II
	1.2.5	Pharmacognosy	BP405T	Pharmacognosy and Phytochemistry I
	1.2.6	Pharmaceutical Analysis – I	BP102T	Pharmaceutical Analysis – I

M. Pharm. Course

Marking Scheme for Semester IV

As per the regulations of PCI 2016, the marking scheme for Semester IV is proposed as follows….

Course	Credit Points	Marks
Journal Club	1	25
Discussion / Presentation (Proposal presentation)	16	75
Research Work	3	400
TOTAL	20	500

As per the regulations of PCI 2016, these marks are to be given at the end of semester –IV (Page 31).

In addition to this, 500 marks for evaluation of dissertation work and 250 marks for evaluation of presentation (Total **500+250 = 750** marks) are allotted for evaluation of project work (page 35). However, these marks are not counted for calculation of credit points. So, it is proposed that these marks should be computed in Semester –IV as given in following table and should be awarded at the time of dissertation viva –voce of the students in presence of both internal and external examiners.

Research work	Objective(s) of the work done	40	Discussion / Presentation (Proposal presentation)	Presentation of work	25
	Methodology adapted	120		Communication skills	25
	Results and discussion	200		Question and Answer skills	25
	Conclusion and outcomes	40			
	TOTAL	**400**		**TOTAL**	**75**
	Credits	**16**		**Credits**	**3**