

Faculty of Pharmacy  
Course Structure for B.Pharm.  
Batch: 2019-23

# **DIT UNIVERSITY**

## **Dehradun**



### **Course Structure**

**of**

### **B.PHARM.**

### **Batch 2019-23**

### **(As per PCI)**

**Faculty of Pharmacy**  
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**Batch: 2019-23**

Year: 1<sup>st</sup>

Semester: I

Course code	Name of the course	L	T	P	Credit
BP101T	Human Anatomy and Physiology I Theory	3	1	0	4
BP102T	Pharmaceutical Analysis I–Theory	3	1	0	4
BP103T	Pharmaceutics I–Theory	3	1	0	4
BP104T	Pharmaceutical Inorganic Chemistry– Theory	3	1	0	4
BP105T	Communication skills–Theory*	2	0	0	2
BP106RBT / BP106RMT	Remedial Biology / Remedial Mathematics–Theory*	2	0	0	2
BP107P	Human Anatomy and Physiology– Practical	0	0	4	2
BP108P	Pharmaceutical Analysis I–Practical	0	0	4	2
BP109P	Pharmaceutics I–Practical	0	0	4	2
BP110P	Pharmaceutical Inorganic Chemistry– Practical	0	0	4	2
BP111P	Communication skills–Practical*	0	0	2	1
BP112RBP	Remedial Biology–Practical*	0	0	2	1
<b>Total</b>					<b>29<sup>§</sup> / 30<sup>#</sup></b>

#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)

Year: 1<sup>st</sup>

Semester: II

Course Code	Name of the course	L	T	P	Credit
BP201T	Human Anatomy and Physiology II–Theory	3	1	0	4
BP202T	Pharmaceutical Organic Chemistry I–Theory	3	1	0	4
BP203T	Biochemistry–Theory	3	1	0	4
BP204T	Pathophysiology–Theory	3	1	0	4
BP205T	Computer Applications in Pharmacy–Theory*	3	0	0	3
BP206T	Environmental sciences–Theory*	3	0	0	3
BP207P	Human Anatomy and Physiology II–Practical	0	0	4	2
BP208P	Pharmaceutical Organic Chemistry I–Practical	0	0	4	2
BP209P	Biochemistry–Practical	0	0	4	2
BP210P	Computer Applications in Pharmacy–Practical*	0	0	2	1
<b>Total</b>					<b>29</b>

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Year: 2<sup>nd</sup>

Semester: III

Course code	Name of the course	L	T	P	Credit
BP301T	Pharmaceutical Organic Chemistry II – Theory	3	1	0	4
BP302T	Physical Pharmaceutics I – Theory	3	1	0	4
BP303T	Pharmaceutical Microbiology – Theory	3	1	0	4
BP304T	Pharmaceutical Engineering – Theory	3	1	0	4
BP305P	Pharmaceutical Organic Chemistry II – Practical	0	0	4	2
BP306P	Physical Pharmaceutics I – Practical	0	0	4	2
BP307P	Pharmaceutical Microbiology – Practical	0	0	4	2
BP308P	Pharmaceutical Engineering –Practical	0	0	4	2
	<b>Total</b>				<b>24</b>

Year: 2<sup>nd</sup>

Semester: IV

Course code	Name of the course	L	T	P	Credit
BP401T	Pharmaceutical Organic Chemistry III– Theory	3	1	0	4
BP402T	Medicinal Chemistry I – Theory	3	1	0	4
BP403T	Physical Pharmaceutics II – Theory	3	1	0	4
BP404T	Pharmacology I – Theory	3	1	0	4
BP405T	Pharmacognosy and Phytochemistry I– Theory	3	1	0	4
BP406P	Medicinal Chemistry I – Practical	0	0	4	2
BP407P	Physical Pharmaceutics II – Practical	0	0	4	2
BP408P	Pharmacology I – Practical	0	0	4	2
BP409P	Pharmacognosy and Phytochemistry I – Practical	0	0	4	2
	<b>Total</b>				<b>28</b>

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Year: 3<sup>rd</sup>

Semester: V

Course code	Name of the course	L	T	P	Credit
BP501T	Medicinal Chemistry II – Theory	3	1	0	4
BP502T	Industrial Pharmacy I– Theory	3	1	0	4
BP503T	Pharmacology II – Theory	3	1	0	4
BP504T	Pharmacognosy and Phytochemistry II– Theory	3	1	0	4
BP505T	Pharmaceutical Jurisprudence – Theory	3	1	0	4
BP506P	Industrial Pharmacy I – Practical	0	0	4	2
BP507P	Pharmacology II – Practical	0	0	4	2
BP508P	Pharmacognosy and Phytochemistry II –Practical	0	0	4	2
	<b>Total</b>				<b>26</b>

Year: 3<sup>rd</sup>

Semester: VI

Course code	Name of the course	L	T	P	Credit
BP601T	Medicinal Chemistry III – Theory	3	1	0	4
BP602T	Pharmacology III – Theory	3	1	0	4
BP603T	Herbal Drug Technology – Theory	3	1	0	4
BP604T	Biopharmaceutics and Pharmacokinetics – Theory	3	1	0	4
BP605T	Pharmaceutical Biotechnology – Theory	3	1	0	4
BP606T	Quality Assurance –Theory	3	1	0	4
BP607P	Medicinal chemistry III – Practical	0	0	4	2
BP608P	Pharmacology III – Practical	0	0	4	2
BP609P	Herbal Drug Technology – Practical	0	0	4	2
	<b>Total</b>				<b>30</b>

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Year: 4<sup>th</sup>

Semester: VII

Course code	Name of the course	L	T	P	Credit
BP701T	Instrumental Methods of Analysis – Theory	3	1	0	4
BP702T	Industrial Pharmacy II – Theory	3	1	0	4
BP703T	Pharmacy Practice – Theory	3	1	0	4
BP704T	Novel Drug Delivery System – Theory	3	1	0	4
BP705P	Instrumental Methods of Analysis – Practical	0	0	4	2
BP706PS	Practice School*	0	0	12	6
	<b>Total</b>				<b>24</b>

\* Non University Examination (NUE)

Year: 4<sup>th</sup>

Semester: VIII

Course code	Name of the course	L	T	P	Credit
BP801T	Biostatistics and Research Methodology	3	1	0	4
BP802T	Social and Preventive Pharmacy	3	1	0	4
BP803ET	Pharma Marketing Management	3+3 =6	1+1 =2	0	4+4 =8
BP804ET	Pharmaceutical Regulatory Science				
BP805ET	Pharmacovigilance				
BP806ET	Quality Control and Standardization of Herbals				
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				
BP813PW	Project Work	0	0	12	6
	<b>Total</b>				<b>22</b>

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**Summary of the Credit**

<b>Year</b>	<b>Semester</b>	<b>Credit</b>
1	1	27/29 <sup>§</sup> /30 <sup>#</sup>
	2	29
2	3	26
	4	28
3	5	26
	6	26
4	7	24
	8	22
Extracurricular/ Co-curricular activities		1
<b>Total</b>		<b>209/211<sup>§</sup>/212<sup>#</sup></b>

\*The credit points assigned for extracurricular and or co-curricular activities shall be given by the Principals of the colleges and the same shall be submitted to the University. The criteria to acquire this credit point shall be defined by the colleges from time to time.

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#Applicable ONLY for the students studied Mathematics / Physics / Chemistry at HSC and appearing for Remedial Biology course.