



Shobhaben Pratapbhai Patel School of Pharmacy & Technology Management, Mumbai

Recommendations of Board of Studies for Pharmaceutical Technology Management

The proposed changes were circulated to the following members of Board of Studies for Pharmaceutical Technology Management through email dated 5th May 2020:

1. Mr. Sanjeev Navangul
2. Mr. Amitabha Gangopadhyay
3. Mr. Ronald Sequeira
4. Mr. Mehul Shah
5. Mr. Sudarshan Jain
6. Mr. Jitendra Tyagi
7. Ms. Gauri Pathak

1) The change proposed in the existing course structure of MBA Pharma Tech- Batch 2018-23 and onwards is as below :

- As per existing course structure, the students of MBA Pharma Tech program have to undergo Management Internship Program (MIP) in the Hospital and with the retailer comprising one month each during the summer break of 3rd Year.
- As per PCI guidelines, during the same time the students have to undergo Industrial Training of one month. Altogether three months of training during the summer break of 3rd year is not feasible as the students have only two months of summer break.
- Therefore, it is proposed that the Management Internship Program of Retailer component, of one month may be shifted to the summer break of 4th year.

The above changes were considered and accepted by the Board members.

B. Prabhakar

Dr. Bala Prabhakar
Dean, SPPSPTM





Shobhaben Pratapbhai Patel School of Pharmacy & Technology Management Mumbai

Recommendations of Board of Studies for Pharmaceutical Sciences

The proposed change was circulated to the following members of Board of Studies for Pharmaceutical Sciences through email dated 12th May 2020:

1. Dr. Kanchan Kohli,
2. Dr. Swarnlata Saraf,
3. Dr. D. P. Pathak
4. Dr. Kiran Kalia
5. Dr. Gaurang B. Shah
6. Dr. Sadhana Sathaye

The change proposed in the existing course structure of B.Pharm/ MBA Pharma Tech programs is as below :

- As per the existing course structure, the students of B.Pharm & MBA Pharma Tech program, Batch 2017-21 & 2017-22 respectively, have to undergo Industrial Training for one month during the summer break of 3rd Year.
- Due to the current scenario of COVID-19, it is not feasible to conduct this training.
- Therefore, it is proposed that this **Industrial Training** of one month may be shifted to the summer break of 4th year.

The above change was considered and accepted by the Board members.

Dr. Bala Prabhakar
Dean, SPPSPTM



**Course Structure
MBA Pharma Tech (Bachelor of Pharmacy + MBA) Programme (2020-21)**

Semester I

Area	Sr. No.	Subject	Credits	Total credits area-wise
Pharmacy	1	Human Anatomy and Physiology I - Theory	4.00	32
	2	Pharmaceutical Inorganic Chemistry - Theory	4.00	
	3	Pharmaceutical Analysis - Theory	4.00	
	4	Pharmaceutics I - Theory	4.00	
	5	Communication skills - Theory	2.00	
	6	Human Anatomy and Physiology I - Practical	2.00	
	7	Pharmaceutical Inorganic Chemistry - Practical	2.00	
	8	Pharmaceutical Analysis - Practical	2.00	
	9	Pharmaceutics I - Practical	2.00	
	10	Remedial Biology - Theory	2.00	
	11	Remedial Mathematics - Theory	2.00	
	12	Communication skills - Practical	1.00	
	13	Remedial Biology - Practical	1.00	
Total credits				32

Semester II

Area	Sr. No.	Subject	Credits	Total credits area-wise
Pharmacy	1	Biochemistry - Theory	4.00	29
	2	Human Anatomy and Physiology II – Theory	4.00	
	3	Pathophysiology – Theory	4.00	
	4	Pharmaceutical Organic Chemistry I – Theory	4.00	
	5	Computer Applications in Pharmacy – Theory	3.00	
	6	Environmental sciences – Theory	3.00	
	7	Biochemistry – Practical	2.00	
	8	Human Anatomy and Physiology II – Practical	2.00	
	9	Pharmaceutical Organic Chemistry I – Practical	2.00	
	10	Computer Applications in Pharmacy – Practical	1.00	
Total credits				29

Semester III

Area	Sr. No.	Subject	Credits	Total credits area-wise
Pharmacy	1	Pharmaceutical Engineering – Theory	4.00	24
	2	Pharmaceutical Microbiology – Theory	4.00	
	3	Pharmaceutical Organic Chemistry II – Theory	4.00	
	4	Physical Pharmaceutics I – Theory	4.00	
	5	Pharmaceutical Engineering – Practical	2.00	
	6	Pharmaceutical Microbiology – Practical	2.00	
	7	Pharmaceutical Organic Chemistry II – Practical	2.00	
	8	Physical Pharmaceutics I – Practical	2.00	
Total credits				24

Semester IV

Area	Sr. No.	Subject	Credits	Total credits area-wise
Pharmacy	1	Medicinal Chemistry I – Theory	4.00	28
	2	Pharmaceutical Organic Chemistry III – Theory	4.00	
	3	Pharmacognosy and Phytochemistry I – Theory	4.00	
	4	Pharmacology I – Theory	4.00	
	5	Physical Pharmaceutics II – Theory	4.00	
	6	Medicinal Chemistry I – Practical	2.00	
	7	Pharmacognosy and Phytochemistry I – Practical	2.00	
	8	Pharmacology I – Practical	2.00	
	9	Physical Pharmaceutics II – Practical	2.00	
Total credits				28

Semester V

Area	Sr. No.	Subject	Credits	Total credits area-wise
Pharmacy	1	Industrial Pharmacy I – Theory	4.00	27.5
	2	Medicinal Chemistry II – Theory	4.00	
	3	Pharmaceutical Jurisprudence – Theory	4.00	
	4	Pharmacognosy and Phytochemistry II – Theory	4.00	
	5	Pharmacology II – Theory	4.00	
	6	Industrial Pharmacy I – Practical	2.00	
	7	Pharmacognosy and Phytochemistry II – Practical	2.00	
	8	Pharmacology II – Practical	2.00	
	9	Technical Writing and Publication I	1.50	
Management	1	Indian Economy – I	4.00	8
	2	Pharma Environment	2.00	
	3	Statistics for Management with MS Excel	2.00	
Total credits				35.5

Semester VI

Area	Sr. No.	Subject	Credits	Total credits area-wise
Pharmacy	1	Biopharmaceutics and Pharmacokinetics – Theory	4.00	31.5
	2	Herbal Drug Technology – Theory	4.00	
	3	Medicinal Chemistry III – Theory	4.00	
	4	Pharmaceutical Biotechnology – Theory	4.00	
	5	Pharmaceutical Quality Assurance - Theory	4.00	
	6	Pharmacology III – Theory	4.00	
	7	Herbal Drug Technology – Practical	2.00	
	8	Medicinal Chemistry III – Practical	2.00	
	9	Pharmacology III – Practical	2.00	
	10	Technical Writing and Publication II	1.50	
Management	1	Pharma Selling Process, PSS & KAM	2.00	4
	2	Operations Research	2.00	
Total credits				35.5

Semester VII

Area	Sr. No.	Subject	Credits	Total credits area-wise
Pharmacy	1.	Practice School	6	24
	2.	Industrial Pharmacy II – Theory	4	
	3.	Instrumental Methods of Analysis – Th	4	
	4.	Novel Drug Delivery Systems – Theory	4	
	5.	Pharmacy Practice – Theory	4	
	6.	Instrumental Methods of Analysis – Pract	2	
Management	1	Customer Connect	3.5	14
	2	Financial Management II	3	
	3	Human Resource Management	3	
	4	Research Project I	2.5	
	5	Brand and Product Management	2	
Total credits				38

Semester VIII

Area	Sr. No.	Subject	Credits	Total credits area-wise
Pharmacy	1	Biostatistics and Research Methodology - Theory	4.00	18
	2	Social and Preventive Pharmacy - Theory	4.00	
	3	Project Work	6.00	
	4	Internship (Industrial Training)	4.00	
Management	1	Brand Plan for Pharma Products	2.00	10.5
	2	Pharma Supply Chain End to End	2.00	
	3	Quality Management Systems and Practices	2.00	
	4	Sales Management	2.00	
	5	Research Project II	2.5	
Pharmacy (Elective)	1	Pharmaceutical Marketing Management - Theory	4.00	8
	2	Pharmaceutical Regulatory Science – Theory	4.00	
	3	Cosmetic Science – Theory	4.00	
	4	Dietary Supplements and Nutraceuticals - Theory	4.00	
	5	Pharmaceutical Product Development – Theory	4.00	
	1	Extracurricular/Co-curricular activities	1	1
Total credits				37.5

Semester IX

Area	Sr. No.	Subject	Credits	Total credits area-wise
Management	1.	Internship (Management Internship Programme)	17.00	40
	2.	Mergers and Acquisitions	3.00	
	3.	Advance Course in Marketing Strategy	2.00	
	4.	Corporate Social Responsibility	2.00	
	5.	Customer Relationship Management	2.00	
	6.	Digital Strategy in Pharma Industry	2.00	
	7.	International Marketing	2.00	
	8.	Marketing of Biosimilars & Specialty Products	2.00	
	9.	Marketing of Medical Devices	2.00	
	10.	Marketing of Services	2.00	
	11.	Operations Strategy	2.00	
	12.	Quantitative Techniques for Forecasting & Decision Making	2.00	
Total credits				40

Semester X

Area	Sr. No.	Subject	Credits	Total credits area-wise
Management	1.	Business Analytics	3.00	27
	2.	Business Strategy Management	2.00	
	3.	Consumer Behaviour	2.00	
	4.	Ethics in Pharma Sales & Marketing	2.00	
	5.	Health Insurance & Financing	2.00	
	6.	Hospital Management	2.00	
	7.	Knowledge Management	2.00	
	8.	Laws Relevant to Pharmaceutical Industry	2.00	
	9.	Marketing of Cosmeceuticals	2.00	
	10.	Marketing of OTC / Nutraceuticals	2.00	
	11.	Mergers and Acquisitions	2.00	
	12.	Pharma & Biomedical Project Management	2.00	
	13.	Predictive Analytics	2.00	
Total credits				27

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