

Study & Evaluation Scheme Of

Doctor of Pharmacy

(Pharm. D)

Programme

[Applicable w.e.f. Academic Session - 2019-20 till revised]
[Framed under section 10 of the Pharmacy Act (8 of 1948) of the Doctor of Pharmacy
(Pharm.D) course regulations 2008 given by PCI]



TEERTHANKER MAHAVEER UNIVERSITY
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Pharm D Syllabus as per PCI (2019-20)



B. Choice Based Credit System

The University has adopted the Choice Based Credit System (CBCS). The courses can be evaluated following the grading system, which is considered to be better than the conventional marks system. The following is the course module designed for the Pharm. D program:

Core Course (CC): Core courses of Pharm.D program will provide a holistic approach to pharmacy education, giving students an overview of the field, a basis to build and specialize upon. These core courses are the strong foundation to establish pharmacy knowledge and provide broad multi-disciplined knowledge can be studied further in depth during the elective phase. The core courses will provide more practical-based knowledge, case-based lessons and collaborative learning models.

Ability Enhancement Compulsory Course (AECC): As per the guidelines of Choice Based Credit System (CBCS) for all Universities, including the private Universities, the Ability Enhancement Compulsory Course (AECC) is a course designed to develop the ability of students in communication (especially English) and other related courses where they might find it difficult to communicate at a higher level in their prospective job at a later stage due to lack of practice and exposure in the language, etc. Students are motivated to learn the theories, fundamentals and tools of communication which can help them develop and sustain in the corporate environment and culture. We offer three AECCs to all the students two in Year I & one in Year III of the program.

Skill Enhancement Course (SEC): This program has the maximum number of practical course which is designed to provide value-based and/or skill-based knowledge. We offer 18 SECs- across all 5 years. One SEC will carry 3 credits each and the clerkship also included in the SEC which carry 2 credit.

Bridge Course (BC): This is a compulsory course based on their HSC Courses. Students studied Physics / Chemistry / Botany / Zoology at HSC will be offered Remedial Mathematics course and students studied Mathematics / Physics / Chemistry at HSC will be offered Remedial Biology course in their first semester. These courses will fill the gap in their basic knowledge which will help to understand other core courses.

Value Added Course (VAC): A value added course is basically meant to enhance general ability of students in areas like soft skills, quantitative aptitude and reasoning ability - required for the overall development of a student and at the same time crucial for industry/corporate demands and requirements. The student possessing these skills will definitely develop acumen to perform well during the recruitment process of any premier organization and will have the desired confidence to face the interview. Moreover, these skills are also essential in day-to-day life in the corporate world. The aim is to nurture every student for making effective communication, developing aptitude and a general reasoning ability for a better performance, as desired in corporate world. There shall be two courses in Year II. There will be a non-credit CTLD course also for the students which carry no credits, however, it will be compulsory for every student to pass these courses with minimum 45% marks to be eligible for the certificate. These marks will



not be included in the calculation of CGPI. Students have to specifically be registered in these courses in the respective semesters.

Open Elective (Interdisciplinary) Course (OEC): The open elective course is chosen from an unrelated discipline with an intention to seek exposure. The student will have to choose any one open elective courses (OECs) out of two courses namely First-Aid and Emergency care offered by College of Paramedical Sciences, TMU. Each OEC will carry 3 credits.

Pharm. D: 6 Year CBCS Programme			
Basic Structure: Distribution of Courses			
S.No.	Type of Course	Credit Hours	Total Credits
1	Core Course (CC)	17 Courses of 8 Credit Hrs. each (Total Credit Hrs. 17X8) 08 Courses of 6 Credit Hrs. each (Total Credit Hrs. 8X6) 01 Courses of 4 Credit Hrs. each (Total Credit Hrs. 1X4)	188
2	Ability-Enhancement Compulsory Course (AECC)	1 Course of 6 Credit Hrs. each (Total Credit Hrs. 1X6) 1 Course of 4 Credit Hrs. each (Total Credit Hrs. 1X4) 1 Course of 2 Credit Hrs. each (Total Credit Hrs. 1X2)	12
3	Open Elective Course (OEC)	01 Courses of 3 Credit Hrs. each (Total Credit Hrs. 1X3)	03
4	Skill-Enhancement Course (SEC)	17 Courses of 3 Credit Hrs. each (Total Credit Hrs. 17X3) 1 Course of 2 Credit Hrs. each (Total Credit Hrs. 1X2)	53
5	Bridge Course (BC)	1 Course of 12 Credit Hrs. each (Total Credit Hrs. 1X12) OR 1 Course of 8 Credit Hrs. each (Total Credit Hrs. 1X8) 1 Course of 4 Credit Hrs. each (Total Credit Hrs. 1X4)	12
6	Value Added Course (VAC)	1 Course of 4 Credit Hrs. each (Total Credit Hrs. 1X4) 1 Course of 2 Credit Hrs. each (Total Credit Hrs. 1X2) 2 Courses of 0 Credit Hrs. (CTLD)	06
7	Project Work (PW)	1 Course of 20 Credit Hrs. each (Total Credit Hrs. 1X20)	20
Total Credits			294

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				L	T	P	Credit
11	VAC-3	TMUPS 402	Managing Self	02	1	-	00

Fifth Year

S. N.	Category	Course Code	Course	Periods			Credits
				L	S	P	
1	CC-24	PDR501	Clinical Research	3	1	-	8
2	CC-25	PDR502	Pharmacoepidemiology and Pharmacoeconomics	3	1	-	8
3	CC-26	PDR503	Clinical Pharmacokinetics & Pharmacotherapeutic Drug Monitoring	2	1	-	6
4	SEC-18	PDR551	Clerkship*	-	1	-	2
5	PW-1	PDR552	Project Work (Six Months)	-	-	20	20
Total				8	4	20	44

Value Added Course (VAC)

S.N.	Category	Course Code	Course/Paper	Periods			Credit
				L	T	P	
6	VAC-4	TMUPS 502	Managing Work and Others	02	1	-	00

Sixth Year

Internship:

Internship or residency training including postings in specialty units. Students will independently provide the clinical pharmacy services to the allotted wards.

- (i) Six months in General Medicine department, and
- (ii) Two months each in three other specialty departments
 - Pediatrics
 - Gynecology and Obstetrics
 - Psychiatry
 - Skin and VD
 - Orthopedics

Open Elective Course (OEC): Students have to select one open elective (interdisciplinary) course from the following two courses offered by College of Paramedical Sciences, TMU, during their internship.

1. First Aid (PAR-501) - 3 credits
2. Emergency Care (PAR-502) - 3 credits

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