

B. Pharm Programme

Table-I: Course of study for semester I				
Course code	Name of the course	No. of hours	Tutorial	Credit points
PHS-CC-1101	Human Anatomy and Physiology I-Theory	3	1	4
PHS-CC-1102	Pharmaceutical Analysis I – Theory	3	1	4
PHS-CC-1103	Pharmaceutics I – Theory	3	1	4
PHS-CC-1104	Pharmaceutical Inorganic Chemistry – Theory	3	1	4
PHS-CC-1105	Communication skills – Theory *	2	-	2
PHS-EC-1106 Remedial Biology		2	-	2
OR				
PHS-EC-1107 Remedial Mathematics – Theory*		2	-	2
PHS-CC-1108	Human Anatomy and Physiology I – Practical	4	-	2
PHS-CC-1109	Pharmaceutical Analysis I – Practical	4	-	2
PHS-CC-1110	Pharmaceutics I – Practical	4	-	2
PHS-CC-1111	Pharmaceutical Inorganic Chemistry – Practical	4	-	2
PHS-CC-1112	Communication skills – Practical*	2	-	1
PHS-EC-1113	Remedial Biology – Practical*	2	-	1
	Total	34[§]36[#]	4	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.

Table-II: Course of study for semester II				
Course Code	Name of the course	No. of hours	Tutorial	Credit points
PHS-CC-2101	Human Anatomy and Physiology II – Theory	3	1	4
PHS-CC-2102	Pharmaceutical Organic Chemistry I – Theory	3	1	4
PHS-CC-2103	Physical Pharmaceutics-I – Theory	3	1	4
PHS-EC-2104	Computer Applications in Pharmacy – Theory *	3	-	3
PHS-EC-2105	Environmental sciences – Theory *	3	-	3
PHS-CC-2106	Human Anatomy and Physiology II –Practical	4	-	2
PHS-CC-2107	Pharmaceutical Organic Chemistry I– Practical	4	-	2
PHS-CC-2108	Physical Pharmaceutics-I – Practical	4	-	2
PHS-EC-2109	Computer Applications in Pharmacy – Practical*	2	-	1
	Total	29	3	25

**M. Pharm. Course:
FIRST SEMESTER**

S. No.	Name of School	Compulsory Course	Course Code	Name of Course	Per Week Load			
					L	T	P	C
1	School of Engineering and Technology (EAT)	Course I	PHS CC 1201	Methods in Pharmaceutical Research (MPR)	4	-	-	4
		Course II	PHS CC 1202	Product Development	4	-	-	4
		Course III	PHS CC 1203	Pharmaceutical Biotechnology	4	-	-	4
		Course IV	PHS CC 1204	MPR Practicals (P)	-	-	8	4
		Course V	PHS CC 1205	Product Development Practicals (P)	-	-	8	4
		Course VI	PHS CC 1206	Pharmaceutical Biotechnology Practicals (P)	-	-	8	4
				Total Credits	12	-	24	24

**M. Pharm. Course: SECOND SEMESTER: Specialization:
Pharmaceutics**

S. No.	Name of School	Compulsory Course	Course Code	Name of Course	Per Week Load			
					L	T	P	C
1	School of Engineering and Technology (EAT)	Course I	PHS P CC 22 01	Advanced Pharmaceutics	4	-	-	4
		Course II	PHS P CC 22 02	Biopharmaceutics and Pharmacokinetics	4	-	-	4
		Course III	PHS P CC 22 03	Controlled and Novel Drug Delivery System (NDDS)	4	-	-	4
		Course IV	PHS P CC 22 04	Advanced Pharmaceutics	-	-	16	8
		Course V	PHS P CC 22 05	DRA; IPR and QA	4			4
		Dissertation Project PHSP CC 22 06		Dissertation Project				4
				Total Credits	16		16	28

M. Pharm. Course: SECOND SEMESTER :

Specialization:

Pharmaceutical Chemistry

S. No.	Name of School	Compulsory Course	Course Code	Name of Course	Per Week Load			
					L	T	P	C
1	School of Engineering and Technology (EAT)	Course I	PHS CCC 22 01	Drug Design and Discovery	4	-	-	4
		Course II	PHSC CC 22 02	Advances in Medicinal Chemistry	4	-	-	4
		Course III	PHSC CC 22 03	Advanced in Organic Chemistry	4	-	-	4
		Course IV	PHSC CC 22 04	Advanced Pharmaceutical Chemistry Practical (P)	-	-	16	8
		Course V	PHSC CC 22 05	DRA;IPR and QA	4			4
		Dissertation Project PHSC CC 22 06		Dissertation Project				4
				Total Credits	16		16	28

**M. Pharm. Course: SECOND SEMESTER: Specialization:
Pharmacognosy**

S. No.	Name of School	Compulsory Course	Course Code	Name of Course	Per Week Load			
					L	T	P	C
1	School of Engineering and Technology (EAT)	Course I	PHSG CC 22 01	Natural Products	4	-	-	4
		Course II	PHSG CC 22 02	Advanced Pharmacognosy	4	-	-	4
		Course III	PHSG CC 22 03	Plant Biotechnology	4	-	-	4
		Course IV	PHSG CC 22 04	Advanced Pharmacognosy (P)	-	-	16	8
		Course V	PHSG CC 22 05	DRA;IPR and QA	4			4
		Dissertation Project PHS G CC 22 06		Dissertation Project				4
				Total Credits	16		16	28

M. Pharm. Course: SECOND SEMESTER: Specialization:
Pharmaceutical Biotechnology

S. No.	Name of School	Compulsory Course	Course Code	Name of Course	Per Week Load			
					L	T	P	C
1	School of Engineering and Technology (EAT)	Course I	PHSB CC 22 01	Advanced Biotechnology	4	-	-	4
		Course II	PHSB CC 22 02	Molecular Biology And Genetic Engineering	4	-	-	4
		Course III	PHSB CC 22 03	Industrial Biotechnology	4	-	-	4
		Course IV	PHSB CC 22 04	Pharmaceutical Biotechnology (P)	-	-	16	8
		Course V	PHSB CC 22 05	DRA/IPR/QA	4			4
		Dissertation Project PHS B CC 22 06		Dissertation Project*				4
				Total Credits	16		16	28

o

Department of Pharmaceutical Sciences

School of Engineering and Technology
Dr. Harisingh Gour Vishwavidyalaya
(A Central University)

Sagar (M.P.)

Scheme of Ph.D. Course Work
W.E.F.: Session 2020

- 21

Course code	Title		Credits
PHS CC 1401	Research Methodology (Theory)		04
PHS CC 1402	Current Trends in Pharmaceutical Sciences (Theory)		03
PHS CC 1403	Research and Publication Ethics (Theory)		01
PHS EC 1404 a	Advances in Pharmaceutics Research (Theory)		04 *
PHS EC 1404 b	Molecular Biology in Targeted Drug delivery (Theory)		
PHS EC 1404 c	Advances in Medicinal Chemistry (Theory)		
PHS EC 1404 d	Advances in Herbal Drug Technology (Theory)		
PHS CC 1405	Current Trends in Pharmaceutical Sciences (Practical)		01
PHS CC 1406	Research and Publication Ethics (Practical)		01
PHS CC 1407	Review of Published Research		03
PHS CC 1408	Seminar & Viva - Voce		01
	Course Credit		18

*Any one of four elective subjects is to be opted.