



Department of Pharmaceutical Sciences
UNIVERSITY OF KASHMIR
Hazratbal, Srinagar

Self-Study Report (SSR) - Criterion-1

1.	Department/Directorate/Centre/Institute		Department of Pharmaceutical, Sciences Kashmir University	
2.	Name of the Programme Offered		B. Pharm, M. Pharm, Ph.D	
3.	Departmental website link of the complete/updated		https://pharma.uok.edu.in/Main/Default.aspx	
4.	Number of Courses in the Programme		New B.Pharm Semester System as per PCI- 74 Old B.Pharm Year System- 33 M.Pharm-38 Ph.D	
5A.	Number of New Courses introduced in the Programme since 2019		79	
5B	List of New Courses introduced since 2019			
	Course Code (M Pharm)	Course Title	Brief Description	
	MPB	Pharmaceutical Biotechnology	The course MPB has been introduced in 2023. The course involves the study of micro organisms, living organisms, pharmaceuticals, pharmacogenomics and other pharmaceutical drugs. This course involves novel technologies for production, formulation and synthesis of biological substance from living organisms which act as a drug molecules for the treatment and prevention of various diseases.	
	Course Code B Pharm 1st SEM	Course Title	Scope	Link
	BP101T	HUMAN ANATOMY AND PHYSIOLOGY-I	This subject is designed to impart fundamental knowledge on the structure and	https://pharma.uok.edu.in/Files/4fd6847e-5f1e-4a56-b63f-6d0edb0f326c/Menu/IST_SEMESTER_KU_faefbb5f-b0c8-4a99-869f-1be62b50ae24.pdf

			functions of the various systems of the human body. It also helps in understanding both homeostatic mechanisms. The subject provides the basic knowledge required to understand the various disciplines of pharmacy.
	BP102T	PHARMACEUTICAL ANALYSIS	This course deals with the fundamentals of analytical chemistry and principles of electrochemical analysis of drugs
	BP103T	PHARMACEUTICS- I	This course is designed to impart a fundamental knowledge on the preparatory pharmacy with arts and science of preparing the different conventional dosage forms.
	BP104T.	PHARMACEUTICAL INORGANIC CHEMISTRY	This subject deals with the monographs of inorganic drugs and pharmaceuticals.
	BP105T	COMMUNICATION	This course will

		SKILLS	prepare the young pharmacy student to interact effectively with doctors, nurses, dentists, physiotherapists and other health workers. At the end of this course the student will get the soft skills set to work cohesively with the team as a team player and will add value to the pharmaceutical business.	
	BP 106RBT.	REMEDIAL BIOLOGY	To learn and understand the components of living world, structure and functional system of plant and animal kingdom.	
	BP 106RMT	REMEDIAL MATHEMATICS	This is an introductory course in mathematics. This subject deals with the introduction to Partial fraction, Logarithm, matrices and Determinant, Analytical geometry, Calculus, differential equation and Laplace transform	
	Course Code B Pharm 2nd	Course Title	Scope	Link

	SEM			
	BP 201T	HUMAN ANATOMY AND PHYSIOLOGY-II	This subject is designed to impart fundamental knowledge on the structure and functions of the various systems of the human body. It also helps in understanding both homeostatic mechanisms. The subject provides the basic knowledge required to understand the various disciplines of pharmacy	https://pharma.uok.edu.in/Files/4fd6847e-5f1e-4a56-b63f-6d0edb0f326c/Menu/2nd-Semester-B_e3cce9fb-9d1d-41a4-aaf1-4de71de18421.pdf
	BP202T	PHARMACEUTICAL ORGANIC CHEMISTRY –I	This subject deals with classification and nomenclature of simple organic compounds, structural isomerism, intermediates forming in reactions, important physical properties, reactions and methods of preparation of these compounds. The syllabus also emphasizes on mechanisms and orientation of	

			reactions	
	BP203 T	BIOCHEMISTRY	: Biochemistry deals with complete understanding of the molecular levels of the chemical process associated with living cells. The scope of the subject is providing biochemical facts and the principles to understand metabolism of nutrient molecules in physiological and pathological conditions. It is also emphasizing on genetic organization of mammalian genome and hetero & autocatalytic functions of DNA.	
	BP 204T.	PATHOPHYSIOLOGY	Pathophysiology is the study of causes of diseases and reactions of the body to such disease producing causes. This course is designed to impart a thorough knowledge of the relevant aspects of pathology of various conditions	

			with reference to its pharmacological applications, and understanding of basic pathophysiological mechanisms. Hence it will not only help to study the syllabus of pathology, but also to get baseline knowledge required to practice medicine safely, confidently, rationally and effectively.	
	BP205 T	COMPUTER APPLICATIONS IN PHARMACY	This subject deals with the introduction Database, Database Management system, computer application in clinical studies and use of databases.	
	BP 206 T	ENVIRONMENTAL SCIENCES	Environmental Sciences is the scientific study of the environmental system and the status of its inherent or induced changes on organisms. It includes not only the study of physical and biological characters of the environment but also the social	

			and cultural factors and the impact of man on environment.	
	Course Code B Pharm 3rd SEM	Course Title	Scope	Link
	BP301T	PHARMACEUTICAL ORGANIC CHEMISTRY –II	This subject deals with general methods of preparation and reactions of some organic compounds. Reactivity of organic compounds are also studied here. The syllabus emphasizes on mechanisms and orientation of reactions. Chemistry of fats and oils are also included in the syllabus	https://pharma.uok.edu.in/Files/4fd6847e-5f1e-4a56-b63f6d0edb0f326c/Menu/SEMESTER_III_8707a87b-2bd6-498d-9787-48340cc31add.pdf
	BP302T	PHYSICAL PHARMACEUTICS-I	The course deals with the various physical and physicochemical properties, and principles involved in dosage forms/formulations. Theory and practical components of the subject help the student to get a better insight into various areas of formulation research and development, and	

			stability studies of pharmaceutical dosage forms
	BP 303 T	PHARMACEUTICAL MICROBIOLOGY	Study of all categories of microorganisms especially for the production of alcohol antibiotics, vaccines, vitamins enzymes etc.
	BP 304 T	PHARMACEUTICAL ENGINEERING	This course is designed to impart a fundamental knowledge on the art and science of various unit operations used in pharmaceutical industry
5C	Departmental website link in support of New Courses introduced in the Programme since 2019.	https://pharma.uok.edu.in/Files/4fd6847e-5f1e-4a56-b63f6d0edb0f326c/Menu/BoS_minutes_M_bc69eb39-2336-498d-bf5e-8148ac5cb0b2.pdf	
6A	Dates of syllabus revisions during the last five years. (2019-2023)	1/1/2022	
6B	Departmental website link in support of syllabus revisions.	https://pharma.uok.edu.in/Main/Default.aspx	
7	Are Programme Outcomes (POs) clearly mentioned in the syllabus?	YES	
8	Are the Course Outcomes (COs) mentioned for each course of the programme	YES	
9	Does POs & COs have	NO	

	relevance to local, regional & global developmental needs		
9B	List of courses addressing Local Needs		
	Course Code	Course Title	Brief Justification
	BP802T	Social and Preventive Pharmacy	Each course in the program is designed to prepare a pharmacy graduate to deal with local needs of the pharmacy profession, including the development and use of medications for the betterment of human health, as well as the use of new technologies for achieving the same and methods of communicating with healthcare workers in general and patients in particular.
9C	List of courses addressing Regional Needs		
	Course Code	Course Title	Brief Justification
	BP702T	Industrial Pharmacy-II	A candidate becomes competent in working in a Pharmaceutical industry's Production Unit, Quality control, Quality assurance, analytical lab., Chemical manufacturing R&D, Hospital (clinical Pharmacy), Clinical research organisation, community pharmacy, and so on.
9D	List of courses addressing Global Needs:		
	Course Code	Course Title	Brief Justification
	BP701T	Instrumental Methods of Analysis	Each course in the program is designed to prepare a pharmacy graduate to deal with all aspects of the pharmacy profession, including the development and use of medications for the betterment of human health, as well as the use of new technologies for achieving the same and methods of communicating with healthcare workers in general and patients in particular. A candidate becomes competent in working in a Pharmaceutical industry's Production Unit, Quality control, Quality assurance, analytical lab., Chemical manufacturing R&D, Hospital (clinical Pharmacy), Clinical research organisation, community pharmacy, and so on.
10A	Does the Programme offer focus on Employability/ Entrepreneurship/ Skill development courses	YES	
10B	List of Employability Courses		
	Course Code	Course Title	Brief Justification
	BP804ET	Pharmaceutical Regulatory Science	The program's coursework is entirely geared towards skill development particularly in the areas of Pharmaceutical industry/ Hospital.

			The domains of work include Production unit, Quality control, Quality assurance, analytical lab., Chemical manufacturing unit, R&D, Hospital (clinical Pharmacy), Clinical research organization, community pharmacy etc A communication skill development course is also included in the program to help students communicate these talents.
10 C	List of Entrepreneurship Development Courses		
	Course Code	Course Title	Brief Justification
	BP806ET	Quality Control and Standardization of Herbals	The program's coursework is entirely geared towards Entrepreneurship Development particularly in the areas of Pharmaceutical industry/ Hospital. The domains of work include Production unit, Quality control, Quality assurance, analytical lab., Chemical manufacturing unit, R&D, Hospital (clinical Pharmacy), Clinical research organization, community pharmacy etc A communication skill development course is also included in the program to help students communicate these talents.
10D	List of Skill development Courses		
	Course Code	Course Title	Brief Justification
	BP812ET	Dietary Supplements and Nutraceuticals	Our institute focuses on providing vocational education and training to its students, aiming for skill development and employability. In addition to traditional classroom instruction, the institute also uses online learning methods and digital tools such as MOOCs and virtual learning to provide vocational education to learners. Value-based education is an approach for teaching and learning that focuses on the development of certain values in students. These values may include humanistic values such as compassion and empathy, ethical values such as honesty and integrity, constitutional values such as respect for the rule of law and universal human values such as truth, righteousness, peace, love and nonviolence. The institute has adopted a policy to run skill development programmes for the overall development to mitigate the requirement of 21st century skills in the society. Our institute has conducted Career Oriented Courses like English Communication Skills and Personality Development. These skill based courses were successfully completed during the last five years. We are also interested in developing new skill development programmes for the upcoming years.
11A	Does the programme have courses addressing Professional ethics/ gender/	YES	

	human values/ environment/ sustainability & other value framework enshrined in NEP2020/etc		
11B	List of courses addressing Professional Ethics		
	Course Code	Course Title	Brief Justification
	BP804ET and BP802T	Pharmaceutical Regulatory Science and Social and Preventive Pharmacy	There are the courses included in the program that address various professional ethics related to pharmacy profession like Pharmaceutical Jurisprudence and clinical Pharmacy etc. Furthermore, the Pharmacy Council of India is expected to publish the revised syllabus in accordance with NEP 2020 soon.
11C	List of courses addressing Gender Issues		
	Course Code	Course Title	Brief Justification
			It is possible to achieve gender sensitivity and sensitization by combining theory and practice. Students can interact with real-world scenarios through a variety of gender-sensitive experiential learning opportunities, including field work, community outreach, and gender-sensitization initiatives run by the Lady Advisory Committee (LAC). Quiz, Miss-Ethnic, Role-Play, and Elocution Competitions on Women Empowerment and Outstanding Women Personalities are among the events that are held. "Gender Sensitization and Social Responsibility" was the topic of the programme. The past five years have seen the implementation of about 20 programmes, including "Awareness on Sexual Harassment at Workplace," "Theme: Laws related to Women," "Cervical Cancer Awareness," "An Orientation on Behaviour and Discipline of Girl Students," and "Violence against women-Safeguards-awareness of women laws."
11D	List of courses addressing Human Value Issues		
	Course Code	Course Title	Brief Justification
			Professional Ethics and Human Values" is a one-credit course on human values that is available to all students as an open elective or subject to take at least once during their academic programme. Considering social development initiatives such as volunteering for non-profit organisations, planning blood drives, health check-ups, hygiene and health seminars, camps for raising awareness of the environment, cleaning up rivers, and workshops on gender issues, public health, social concerns, etc. At each school or campus, the

			responsible faculty members oversee all of the activities.
11E	List of courses addressing Environment Issues:		
	Course Code	Course Title	Brief Justification
	BP206T	Environmental sciences	A three to four credit course is part of every undergraduate programme. Students from all programmes participated in a variety of events, including field trips, industrial visits, guest lectures, seminars, and workshops, to increase their awareness of environmental and sustainability issues. Every year, students participate enthusiastically in the celebration of Environment Day, Earth Day, and Water Day. Periodically, seminars and workshops covering a range of topics related to environmental sustainability are held.
11F	List of courses addressing Sustainability issues:		
	Course Code	Course Title	Brief Justification
	BP206T	Environmental sciences	In order to sensitize students about the sustainability issues, a number of activities such as seminars, workshops, guest lectures, industry visits and field excursions were organized for students of all programmes. Environment Day, Earth Day, Water Day are celebrated every year, where students actively participate. Workshops and seminars on various aspects of environment sustainability are organized periodically.
11G	List of courses addressing Other Value Framework enshrined in NEP2020/etc		
12A	Does the Department/Directorate/Institute/Centre offer Diploma Programme	NA	
12B	Details of the Diploma Programmes offered by the institutions where the students of the institution have enrolled and successfully completed during the last five years (2019-2023)	NA	
13A	Does the Department/Directorate/Institute/ Centre offer Certificate Courses	NA	

13 B	Details of the Certificate Courses offered by the institutions where the students of the institution have enrolled and successfully completed during the last five years (2019-2023)	NA			
16A	Does the programme have Field Projects/ Research Projects /Internship in the programme	Yes			
16B	Details of components of Field Projects / Research Projects / Internships implemented during last five years (2019-2023)				
	Course Code	Name of the course pertaining to field projects/ Research Projects /Internship	Number of Credits	Number of students undertaking course	Departmental website link to the relevant document
	BP813PW	Project Work	6	30	https://pharma.uok.edu.in/Main/Default.aspx

Signature of the Head of Department