



DEPARTMENT OF BIORESOURCES
School of Biological Sciences
UNIVERSITY OF KASHMIR, SRINAGAR-190006
NAAC Accredited Grade A⁺ University

1.3.1	Does the programme have courses addressing Professional ethics/ gender/ human values/ environment/ sustainability & other value framework enshrined in NEP2020/etc. (Y/N)		
	If YES , provide the information below		
A	List of courses addressing Professional ethics:		
	Course Code	Course Title	Brief Justification
	BR18104CR	Lab Course-I	There is one practical/Laboratory course in each semester wherein students learn professional conduct, laboratory and environmental ethics. Students are taught how ethics is important in conduct of teaching, research and publication.
	BR18204CR	Lab Course-II	
	BR18304CR	Lab Course-III	
	BR18404CR	Lab Course-IV	
B	List of courses addressing Gender Issues		
	Course Code	Course Title	Brief Justification
	BR18002 OE	Infectious Diseases and Human Health	In this Course students learn about gender related diseases especially sexually transmitted diseases, precautions, symptoms and treatments.
	BR19007GE	Hormones in Human Health	In this course students are taught about role of hormones in human health in general and gender specific hormones, hormonal changes and hormonal disorders.
C	List of courses addressing Human Values		
E	BR23306DC	Biofertilizers and Biopesticides	Understand application and usefulness of biofertilizers for cropproduction and protection of environment and to understand the requirements , scope and potential of microorganisms for disease control and pest management.
	BR22006GE	Biocontrol and Crop Management	To familiarize the students with beneficial use of microbial biofertilizers and biopesticides. To familiarize students with the microbes used as biocontrols for various crop plants and their advantages over chemical fertilizers.
	BR18005GE	Biomedicine and Bioprospecting	To understand the importance of plants as a rich sources of medicine especially for those living in close proximity with nature like tribal and forest dwellers to have idea about different types of herbal extracts and preparations used in traditional systems of medicine.

D	List of courses addressing Environment Issues:		
	Course Code	Course Title	Brief Justification
	BR18103CR	Biodiversity and Bioresources	It will help students to understand the concept of biodiversity and know about the magnitude and distribution of biodiversity. It will provide basic idea about value of biodiversity, need for its conservation and methods of conservation and their importance.
	BR18004GE	Bioresource Management	It will help students to understand the basic concepts about biodiversity conservation and management. To learn about the natural and forced species extinction and factors responsible for biodiversity loss and importance and limitations of conservation strategies in biodiversity conservation and management.
	BR18008GE	Organic Farming	It will help students to understand the process and importance of producing Organic Crops systematically through scientific selection of crops, adoption of appropriate cropping pattern and Crop cultivation under organic farming, Maintain the quality of the produce and find a market for their Organic products. It will highlight the importance of producing organic crops for better human and animal health and healthy environment.
	BR18006GE	Biocontrol and Crop Management	It will provide information about the negative environmental impact of chemical pesticides and familiarize the students with beneficial use of microbial biofertilizers and biopesticides. It will familiarize students with the microbes and other organisms used as biocontrols for various crop plants and their advantages over chemical fertilizers.
	BR18203CR	Bioenergy and Biofuels	It will familiarise students about the unsustainability and negative environmental impact of non-renewable energy sources especially fossil fuels. It will highlight the importance of biofuels as renewable alternative to fossil fuels and their importance as a green and environmental friendly energy source.
E	BR23306DC	Biofertilizers and Biopesticides	It will inform students about the negative health and environmental impact of chemical fertilizers. It will help them to understand availability, application and usefulness of biofertilizers for crop production and protection of environment. It helps them to understand the requirements, scope and potential of microorganisms for disease control and pest management.

E	List of courses addressing Sustainability Issues:		
	<i>Course Code</i>	<i>Course Title</i>	<i>Brief Justification</i>
	BR18103CR	Biodiversity and Bioresources	To understand the concept and components of biodiversity at organisational and spatial levels and know about the magnitude, distribution and values of biodiversity
	BR18004GE	Bioresource Mangement	To know the components and levels of biodiversity and appreciate the importance of biodiversity rich regions in conservation of biodiversity. To learn about the natural and forced species extinction and factors responsible for biodiversity and importance and limitations of conservation strategies in biodiversity conservation and management.
	BR18008GE	Organic Farming	To Produce Organic Crops systematically through scientific selection of crops, adoption of appropriate cropping pattern and Crop cultivation under organic farming, Maintain the quality of the produce and find a market for their Organic products.
	BR18006GE	Biocontrol and Crop Management	To familiarize the students with beneficial use of microbial biofertilizers and biopesticides. To familiarize students with the microbes used as biocontrols for various crop plants and their advantages over chemical fertilizers.
F	List of courses addressing Value Framework enshrined in NEP2020:		
	BR23402CR	Animal Cell and Tissue Technology	To learn the fundamentals of tissue engineering, tissue repairing and their clinical applications. To understand the basic concept behind tissue engineering focusing on the stem cells, biomaterials and its applications.
	BR22006GE	Biocontrol and Crop Management	To familiarize the students with beneficial use of microbial biofertilizers and biopesticides. To familiarize students with the microbes used as biocontrols for various crop plants and their advantages over chemical fertilizers.
	BR18008GE	Organic Farming	To Produce Organic Crops systematically through scientific selection of crops, adoption of appropriate cropping pattern and Crop cultivation under organic farming, Maintain the quality of the produce and find a market for their Organic products.