NEP-2020 IMPLEMENTATION AT PANJAB UNIVERSITY

Suggested Course Structure for implementation of NEP-2020.

The courses taught at UG and PG level will be aligned to NEP requirements if we begin with CBCS for providing holistic education and 21st century skills to students. Science and Engineering departments of Panjab University are already following CBCS. Some changes in already developed CBCS for Science/ Humanities/ Arts/Languages/Management/Education etc. may be required if already not in place. These include:

- Providing for Multidisciplinary learning
- Adding Program outcomes and Course outcomes.
- Provision for multimodal curriculum transaction (offline/ online/ blended) *
- Engagement with community and other organisations/ institutions through Generic electives/value based courses
- Skill based and experiential learning /Internship components
- Research component

  *UGC allows upto 40% in blended mode

A. Proposed framework for course structure

Sr. no.	mode	component	nature	-	assessment
1.	Face to face mode(FTF)	Core subjects	As per discipline	departmental	Credits as per norms
2.	FTF/Ble nded	Discipline specific Elective subjects	As per discipline	departmental	credits

3.	Min. 30 hrs per semester Any mode	Value added courses (generic electives)	Multidisciplinary	Intra departmental or interdepartm ental Or with community engagement	Credit or non - credit
4.	Any mode	Internship/skill based component	As per discipline/ multidisciplinary	Within institution or in community/ industry	credit
5		Research component	As per discipline/multidisc iplinary	Dissertation/ project	credit

B. Explanation of terms in the framework

1. Core Courses

'Core Course' means a course that is Compulsory for a particular programme and offered by the Department, where the student is admitted.

2. Elective Courses/ if any :

Discipline Specific Elective (DSE) Course means an optional course to be selected by a student out of such courses offered by the Department, where the student is admitted.

3. Generic Elective Courses/Value Added Courses/Skill Enhancement Courses:

'Generic Elective (GE)' means an elective course which is taken by the students in the department **other than where** the student is admitted. At least one course of 30 hours /semester at / **Generic Elective Courses will be selected by the student**

4. Internship
Departments to work their modalities.

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5. Research component: Project/action research/ dissertation

This Course Framework will enable to provide progressive benefits to students at par with global Universities and further facilitate multiple entry and multiple exit (MEME) to Undergraduate students . They will get multidisciplinary education with skill/experiential component every year in a four year Undergraduate program as envisaged in NEP. Academic credit accumulation and transfer by registering with Academic bank of Credits(ABC) will be looked into by the University.

C. The Basket Approach

The Core subjects and Discipline specific electives are two baskets of subjects which are specific to the discipline and these are already in place. The immediate challenge is to create the Baskets of open electives, value based courses and skill based courses which are useful and interesting for the students and satisfies their learning needs. Such courses will be chosen by the students themselves. Keeping these baskets dynamic in nature the chairperson/ coordinator of each department /center will engage faculty members to discuss/ conduct an in house workshop to decide which courses it can offer as value added course/ generic elective to students from within and outside their department.

C1 :TEMPLATE FOR DEPARTMENT TO MENTION VALUE ADDED/MULTIDISCIPLINARY COURSES TO BE OFFERED FROM JULY 2022 SESSION TO STUDENTS ACROSS DISCIPLINES

sr. No.	Discipline	Title of value added course	Credit scores / non credits	No. of hours	Online / off line	Module/ syllabus EXISTING if any(yes / no)	Link of module /syllabus

C2: POINTS WHICH CAN BE CONSIDERED FOR CREATION / ADDITION OF VALUE ADDED COURSES BASKETs

- Generic Elective /Value added course can be Credited/Non-credited
- At least one component in the entire course structure must be inter-Departmental.
- Basket of Value added Courses can be multi-disciplinary and Online/Offline
- Add the courses which your Department can offer to students of other disciplines also eg., E waste management, appreciating classical music, the science of symmetry, science of meditation, yoga for good health
- Departments can develop Short Term Two Credits courses for open basket from the courses that are already being taught or are considered attractive by students and department has been visualising/planning.
- List the number of seats per course, number of times it can be offered in a semester
- Course can be online or offline or it can be offered in the workshop form i.e., six days working days (min. 30 hours)
- Student (say in masters) may opt for any one of the Generic Elective Courses in Masters offered by the Departments (other than own Department) of Panjab University. The course must be approved by the JAAC / BOC of department
- A course under the code MOOC1-2 (say) can be selected from the available on SWAYAM platform through UGC MOOCs Courses or through any other national coordinator. The course must be approved by the Academic Committee of the department followed by its approval by BOC. As per the UGC for each course one can take upto 40% of the courses from SWAYAM.(see C4)

C3: LIST OF SOME COURSES which can be modified FOR BASKET OF VALUE ADDED COURSES AT PU*

Department	Course	Hours
Department of Statistics	Training Program on Machine Learning using Python	36

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University Institute of Engineering & Technology	Business Intelligence	45
UIET	Mobile Application Development	45
UIET	Modeling and Simulation	45
UIET	Software testing and quality assurance	45
UIET	Smart System design	45
UIET	Entrepreneurship and Project management	45
UIET	Software testing and quality assurance	45
UIET	Smart System design	32
UIET	Entrepreneurship and Project management	32
UIET	Fashion & Lifestyle Technology	
UIET	Fashion & Lifestyle Technology	32
University Institute of Fashion Technology & Vocational Development	Fashion & Lifestyle Technology	32
USOL	Certificate Course in Corporate Security, Safety & Fire Protection Management	32
Department Cum Centre for Women Studies & Development	PG Diploma in Women Studies	
Department Cum Centre for Women Studies & Development	Certificate (Governance and Leadership)	
Department of Chinese and Tibetan Languages	PG Diploma in Buddhist Studies	
Department of Chinese and Tibetan Languages	Certificate Course in Chinese	
Department of Chinese and Tibetan Languages	Diploma Course in Chinese	
Department of Chinese and Tibetan Languages	Certificate Course in Tibetan	
Department of French & Francophone Studies	Diploma Course in French	
Department of Russian	Diploma Course in Russian	
University School of Open Learning	Certificate Course in Women Studies	
University School of Open Learning	Certificate Course in Women Studies	

University School of Open Learning	Post Graduate Diploma in Guidance and Counselling		
University School of Open Learning	Certificate course in Corporate Security, Safety and Fire Protection Management		
Department of Hindi	Diploma Course in Translation (English to Hindi)		
Department of Lifelong Learning & Extension	3-Month Certificate Course in Computer Applications	120	
Department of Lifelong Learning & Extension	3-Month Certificate Course in Fashion Designing	120	
Interdisciplinary Center for Swami Vivekananda Studies	YOGA		
SUGGESTIVE LIST OF EXISTING COURSES FOR BASKET OF VALUE ADDED COURSES IN other universities /OPEN/ONLINE MODE			
Certificate Programme In Library And Information Science	6 MONTH	IGNOU	
Certificate in Russian language	6 month	ignou	
SWAYAM			
https://mu.ac.in/value-added-courses-brochures			

* This is a suggestive list

C 4:Specific points for online courses from the desk of PU SWAYAM COORDINATOR

i) When developing the course scheme in accordance with the CBCS system, the Department must include Massive Open Online Courses (MOOCs) from the MOE's SWAYAM portal. This must be approved by BOS and other higher academic bodies of the Panjab University. It should be noted that no MOOCs courses other than SWAYAM are permitted under UGC regulations, and they can be used for up to maximum of 40% of the total courses in a degree.

ii) The decentralization of exam process is part of these changes where The Departmental result committee will include the credits earned by students from these MOOCs (SWAYAM portal) in their results and, as a result, on the DMC issued by COE..

iii) In order to monitor the progress of the MOOCs courses taken by students of the Department, the Chairperson should assign the Incharge of respective MOOCs course to each class in the Department at the beginning before registration of the students to MOOCs course. He will monitor and advise students until the MOOCs course is completed.

iv) The final examination of the MOOCs will only be conducted by the respective national coordinator (as per SWAYAM/UGC regulations) in the SWAYAM, say CEC/UGC/NPTEL etc. through online/offline mode as per the students' selection at the time of her/his registration to MOOCs and no Department is authorised to take his/her exam at their own for the MOOCs courses.

D. <u>SUGGESTIONS FOR SYLLABUS RE-STRUCTURING</u>:

Syllabus restructuring may be done under the following headings:

Programme Specific Objectives/Programme Outcomes

(i)   Total Credits of the course:
(ii)   Instructions for Examiner
(iii)   Learning Outcomes or Course outcomes
(iv)   Units (Content)
(v)   Recommended Books
(vi)   Suggested Readings