

DAV University, Jalandhar
Department of Chemical Engineering

Ref. No.: DAVU/CHL/2021/177

Dated: 11/06/2021

Subject: Minutes of 6th Board of Studies (BOS) meeting held on 11/06/2021

The sixth meeting of Board of Studies (BOS) of Department of Chemical Engineering was held on 11/06/2021 at 1:30 p.m. in the committee room (Administrative Block).

Following members were present in the meeting:

1. Prof. A. P. Toor External Expert (Professor, Dr. SSBUICT, Panjab University, Chd)
2. Er. Vidya Pandey Convener (Assistant Professor, Department of Chemical Engineering)
3. Dr. Rekha Gaba Special Invitee (Assistant Professor, Department of Chemistry)

Item 1: Approval of Course Schemes and Syllabi of 2021-22 batch for Bachelor of Technology - Chemical Engineering.

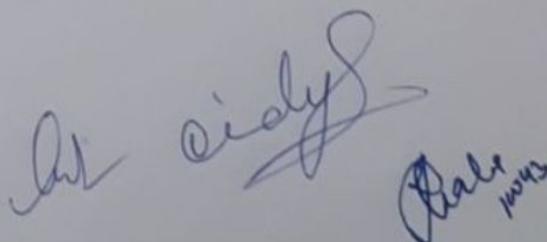
The Course Scheme and detailed Syllabi of 2021-2022 batch for Bachelor of Technology -Chemical Engineering (*prepared according to model curriculum given by AICTE*) was presented to the Board of studies for its approval.

Resolved: The BoS approved the outline of scheme, syllabi and courses of reading, as such, for the session 2021-2022 for Bachelor of Technology (Chemical Engineering).

Item 2:

After discussion and deliberation about introducing the MOOC courses in the Department of Chemical Engineering, the following has been resolved by the Members, Board of Studies.

- i. The students may opt any relevant course from the list of NPTEL, SWAYAM courses available on its official website <https://nptel.ac.in>, <https://swayam.gov.in> respectively against elective courses of scheme.
- ii. The content of such MOOC courses should not match with regular subjects.
- iii. The student(s) will submit the application for opting MOOC course to the Coordinator of the department. The Coordinator of the department will forward the application to the Dean (Academics) office for permitting the student(s) to register after duly verification and recommendation from the concerned teacher taking the elective course of that particular class.



- iv. MOOC chosen against departmental elective has to be a technical course related to chemical engineering and for open elective course has to be from any other domain except chemical engineering.
- v. In case MOOC course chosen against any elective course is having the less credit than the elective course, the student should be allowed to opt the course by the university.
- vi. The grade marks along with copy of the certificate obtained by the student (s) from NPTEL, SWAYAM will be submitted to the Examination Branch (through the teacher concerned deputed by department through Coordinator of the department) for entering the marks/grades of the subject passed in the DMC.

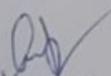
Note: The students are advised to visit the website of NPTEL, SWAYAM for opting a particular course after following the procedure as per DAV University guidelines and are responsible for their registration as well as other terms and conditions to be fulfilled as laid down by NPTEL/SWAYAM.

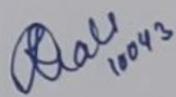
Item 3: The other items of discussion

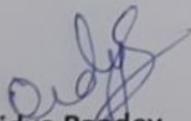
- Prof. A.P. Toor suggested that the department should organize workshops and seminars by experts from industries, IIT's/ NIT's/ Universities.

The members welcomed the suggestions of the Expert and assured her that the University would take the cognizance of her valuable input and would put up the same for the consideration of the University Academic Council.

Meeting ended with thanks to all those present.


Prof. A. P. Toor
(External Expert)


Dr Rekha Gaba
(Special invitee, Department of Chemistry)


Er. Vidya Pandey
(Department Coordinator)

Annexure- I

Members of BoS suggested the following modifications (keeping in view the feedback received from students and faculties) to the existing syllabus of 2020-21.

S. No.	Sub Code	Modification(addition/ deletion)
1	CHL202	<ul style="list-style-type: none">• Combustion, gas-synthesis, acid-alkali production, recycle, purge, bypass in batch, stagewise and continuous operations in systems with chemical reaction(addition)
2	CHL208	<ul style="list-style-type: none">• experimental techniques: FTIR, SEM for material characterization• classification and structure and configuration of non crystalline/amorphous materials. (addition)• Deletion of ' density of various materials'
3	CHL204	<ul style="list-style-type: none">• Water for the chemical process industry and its treatment: Boiler feed-water, Cooling tower water, Process Plant water, Treatment of water: lime-soda process, Flocculation, aeration, deaeration, ion-exchange(addition)
4	CHL207	<ul style="list-style-type: none">• Miscellaneous measurements: Process instrumentation, Recording instruments, indicating and signaling instruments, Transmission of instrument reading, control centre, Instrumentation diagram, Instrumentation in modern plant. Introduction to the concept of Automatic process control. (addition)
5	CHL303A	<ul style="list-style-type: none">• Petroleum refining: General composition of crude oil, typical refinery operations for obtaining different useful products and their utilization for manufacture of other commercial products. (addition)
6	CHL453A	<ul style="list-style-type: none">• Polymer Degradation and Polymer Reactor Design (addition)
7	CHL406	<ul style="list-style-type: none">• Case histories: Bhopal gas tragedy, Flixborough disaster,

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		Pasadena accident, IOCL disaster, nuclear disaster in Japan in 2011 (addition)
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The subject code for the subject Fuel cell and technology is changed from CHL802 to CHL408.

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