



**Indian Institute of Technology Kanpur**  
**Senate Undergraduate Committee**

SUGC/2023-24/Minutes/3rd

Date: December 01, 2023

**Minutes of the 2023-24/3rd Meeting of the SUGC held on Wednesday,**  
**November 29, 2023, at 11:00 AM in Room No. 208,**  
**Academic Affairs Building, IIT Kanpur**

The following SUGC members were present:

Prof(s): Anjan K Gupta, Manoj Kumar Harbola, Arnab Samanta, Sai Prasad Pydi, Sapam Ranjita Chanu, Raghavendra Ragipani (acting DUGC, CHE), Syam Nair (acting DUGC, CE), Ark Verma, Amar Agarwal, Arshad Rahman, Alok Ranjan Verma, Suchitra Mathur, Suman Surabh, Suprio Bhar, Sarang Ingole, Supratik Banerjee, Amitesh Omar, Amay Raj (acting), Shruti Ramchandra Dalvi, Kinshuk Siyol, and Apoorv Tandon.

Special Invitee(s): Prof(s). Chinmoy Kolay

The following members were not able to present:

Prof(s). Niraj Sinha, Amarendra Edpuganti, Mainak Das, Pritam Chakraborty, Anindya Chatterjee, Subhajit Roy, Manabendra Chandra, and Sunay Chhajer.

At the outset, the Chairperson, SUGC, welcomed the present members and subsequently after the following announcement and Action Taken Report (ATR), the agenda items were taken up for discussion:

**A. Announcement**

The chairman SUGC announced the following constituted sub-committees for the information of the committee:

- 1) Academic Performance Evaluation Committee (APEC) for the AY 2023-24:
  - I. Prof. Harshwardhan Katkar (Convener)
  - II. Prof. Ark Verma
  - III. Prof. Sai Prasad Pydi
  - IV. Prof. Subhajit Roy
- 2) Core Curriculum Committee (CCC) for AY 2023-24:
  - I. Prof. Suchitra Mathur (Convener)
  - II. Prof. Onkar Dikshit
  - III. Prof. Niraj Sinha
  - IV. Prof. Arnab Samanta
- 3) Prof. Arshad Rahman has been nominated for Senate Curriculum Development & Monitoring Committee (SCDMC) for the Ay 2023-24.

## B. Noting Items

<b>Item No. 1</b>	<b>To note the decision of the SUGC on the equivalent courses of departments offered as per Old UGARC and New UGARC</b>
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The committee noted the decision of the SUGC related to the equivalent course detail offered by the departments as per New UGARC and Old UGARC. The detail of the following departments has been recommended by the committee to the Senate for further consideration so that the student governed by the Old UGARC may register for these courses for completion of their academic programme:

S. No.	Name of the Dept.
1.	Aerospace Engineering
2.	Civil Engineering
3.	Chemical Engineering
4.	Computer Science & Engineering
5.	Materials Science & Engineering
6.	Mathematics & Statistics*
7.	Chemistry
8.	Economic Sciences

\*Note:

1. An additional information from the Mathematics & Statistics (MTH) department received that even though MTH101A [11] is equivalent to the MTH111M [6] + MTH112M [6], due to some implementation issue in the Pingala, the department will continue to offer MTH101A and similarly MTH102 [11] which is equivalent to the MTH112M [6] + MTH114M [6] until all backlog cases are cleared as per Old UGARC.

2. The Mathematics and Statistics department has also clarified that the courses that remain unchanged, continued with the same course (by dropping the suffix 'A'), under the New UGARC. Both the courses with suffix and without suffix will be offered for Old UGARC and New UGARC students respectively until all the backlogs are cleared.

<b>Item No. 2</b>	<b>To note the decision of the SUGC on the proposed substitution of HSO201 (Applied Probability and Statistics) with MSO201 (Probability and Statistics) course for CE students governed as per the Old UGARC.</b>
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The decision of the SUGC on the proposal of the Civil Engineering department to consider substitution of HSO201 (Applied Probability and Statistics) with MSO201 (Probability and Statistics) course for CE students governed as per the Old UGARC has been noted by the committee. This temporary arrangement was made for the upcoming semester only i.e., 2023-24-II.

A note in this regard has already been sent to the Senate for further consideration and approval.

<b>Item No. 3</b>	<b>To note the decision of the chairman SUGC on the request of Mr. Shashwat Gupta (200923) to give waiver against the courses he had cleared in other University/Institute as a non-degree student under Exchange Programme</b>
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The committee noted the decision of the chairperson SUGC related to the request of Mr. Shashwat Gupta who was approved for the Exchange Programme to pursue his academics as non-degree student in another

University/Institute. And on his return, he applied for the credit's waiver in lieu of credits he earned during the exchange programme in another Institute/University. The details of approved credits are as follows:

S. No.	Name	Roll No.	Institute/University	Prog. / Dept.	Credits Approved
1.	Shashwat Gupta	200923	HKBU, Hong Kong	BT/CSE	27

**A. New Business**

<b>Item No. 4</b>	<b>Discussion on the report of the committee on the 'guidelines for preparing Core Curriculum Committee (CCC)'</b>
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The report on the 'guidelines for preparing Core Curriculum Committee (CCC)' as per the New UGARC was presented by Prof. Chinmoy Kolay (Convenor). After the presentation, the committee members raised the following concerns and suggested some changes if it might be incorporated:

- I. One committee member requested that the tutorial (T) multiplication factor be changed from 0.5 to 1.0 in calculating the Tutorial Unit (TU).
- II. Correction in the total credits of ESO207 course. It should be 12 instead of 9 in the table no. 2.
- III. Load sharing of ETH and ELC courses should be reanalysed. The chairman SUGC, on behalf of the committee, will request to the Dean, Academic Affairs to constitute a committee.
- IV. The DUGC, ES, is requested to explore the possibility of adding their existing ESO course to the SCHEME basket as discussed.

The committee also accepted the proposed sharing of the four core courses as per table no. 5 of the CCC guidelines with a consensus.

Apart from above, the committee also suggested following for ease of calculation of Tutorial Unit and Instruction Unit load:

- a) Committee requested to Prof. Chinmoy Kolay for circulation of related Excel file among the members.
- b) The committee suggested to develop a tool to calculate Tutorial Unit and Instruction Unit by entering detail of no. of students, lecture, etc. and publish it in the DoAA webpage.

The committee would like to thank Prof. Chinmoy Kolay for this presentation.

<b>Item No. 5</b>	<b>To consider new course proposals from the various departments</b>
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The committee discussed the following course proposals received from the various departments and after discussion, the committee approved the same:

S. No.	Title of Course	Proposed by	Credits	Type of Course	Suggested Course Code
1	Learning English as a Second Language	HSS	11	UG	ENG113
2*	Basics of Impact Cratering	ES	5	UG	ES456
3	A course in Number Theory and Cryptography	MTH	11	UG	MTH3XX
4	Under Graduate Project I	MTH	9	UG	MTH496
5	Under Graduate Project II	MTH	9	UG	MTH497

6	Under Graduate Project III	MTH	9	UG	MTH498
7	Under Graduate Project IV	MTH	9	UG	MTH499
8	A Linguistic History of India	HSS	9	UG	ENG4XX
9 <sup>@</sup>	Introduction to Quantum Materials	PHY	9	Course renumbering- from PHY406 to level 3	
10	Existentialism	HSS	9	UG	PHI481
11	Basic Algebraic Geometry	MTH	9	UG	MTH4XX

- i. \* Updated course proposal. Initially, the course type of the course was regular with 9 credits and now as per the updated proposal, this is a modular course with 5 credits.
- ii. @ This course has already been approved and PHY406 course code was allotted to this course. Now the department has informed the SUGC that this is the level 3 course, and the course code should be renumbered.

<b>Item No. 6</b>	<b>Decision on the revised proposal of the department of Space Planetary &amp; Astronomical Sciences and Engineering (SPASE) to offer a Minor Program in 'Space Science'.</b>
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The proposal of the Space Planetary & Astronomical Sciences and Engineering (SPASE) department to offer a new Minor programme in "Space Science" discussed in the meeting and after due deliberation, the committee provided its positive recommendation and forwarded proposal to the Senate for further consideration.

P.S.: As per the proposal, a student have to do 36 credits to fulfill minor requirements which include one compulsory and three elective courses of the SPASE department. Detail of the courses are as follows:

<b>Course type</b>	<b>Course List</b>
Compulsory Course	SPA201: Introduction to Astronomy & Astrophysics
Any three Elective courses (9 credits each) offered by SPASE department.  [Except SPA602 (Mathematical Methods in Space Science) and SPA604 (Numerical Methods in Space Sciences & Engineering)]	SPA401: Galaxies & Observational Cosmology SPA613: Observational techniques & telescopes SPA661: Stars & Stellar evolution SPA601: Introduction to space & astronomical instrumentation SPA603: Solar system processes and space missions SPA610: Radio Astronomy SPA612: Radio Astronomy Laboratory SPA620: Solar system mechanics SPA621: Planetary surface processes SPA622: Planetary Geomorphology - Processes and products SPA625: Space data acquisition and analysis SPA660: High Energy Astrophysics of Binary star systems
<b>Total Credits</b>	<b>36</b>

Remarks: All future courses from the department, except the ones entirely related to mathematical methods or numerical techniques will be available as elective courses to complete minor.

<b>Item No. 7</b>	<b>Discussion on the recently issued Office Order by Institute's Health Centre regarding 'Medical Certificate issued to the students-reg' for consideration of leave request of students.</b>
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The committee deliberated on the issues relating to the leave of the students and after a deep discussion, decided to recommend following points, as proposed by the chairman SUGC, to the Senate for further consideration:

- I. For Short leave: Student should apply for leave before leaving the campus in advance. And in case, due to some reason, s/he is unable to apply leave, prior intimation to the competent authorities (respective Hostel Warden and DUGC) over mail with a likely return date is necessary. On his/her return, s/he should apply for leave within **7** days of the last date of his/her leave period with the copy of intimation mail.
- II. For Medical leave with outside medical certificate: Before leaving the campus, student must intimate in advance to the competent authorities (respective Hostel Warden and DUGC) over mail with a likely return date regarding his/her medical treatment. Under some exceptional situation, s/he may intimate to the authorities immediately after reaching the home. On his/her return, s/he should apply for leave within **14** days (changed from 20 days) of the last date of his/her leave date/period with the copy of intimation mail.
- III. The external medical certificate should have a clear address of the hospital/clinic etc., name of the Doctor, medical registration number and mobile number or contact number of the hospital/clinic.

The committee also suggested to place above details, after approval from the Senate, on the DoAA webpage and UG manual for information of the students.

<b>Item No. 8</b>	<b>Decision on the proposal of Mechanical Engineering department to consider UGP-4 course as a regular course to fulfill DE/OE course requirement of Y19 ME students.</b>
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The committee discussed the proposal of Mechanical Engineering (ME) dept. to consider UGP-4 course as a regular course to fulfill DE/OE course requirement (applicable only for Y19 ME students (BT/DD/DM)) for completion of academic programme on time and the committee decided to recommend proposal of the department to the Senate for further consideration. As per the proposal, these arrangements will be applicable to all Y19 ME students (BT/DD/DM) until they graduate.

<b>Item No. 9</b>	<b>Decision on the course replacement request of Mr. Sidhartha Watsa (190843/BT-ME/DM-EE) to fulfill his Double Major requirement in Electrical Engineering.</b>
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The committee discussed the course replacement request of Mr. Sidhartha Watsa (190843/BT-ME/DM-EE) to replace UGP3 (EE491A) course with UGP2 (EE392A) course to fulfill his basket-B requirement of Double Major programme and after due deliberations, committee recommended following, as requested, to the Senate for further consideration:

- I. Course replacement request: UGP2 (EE392A) to be considered in place of UGP3 (EE491A) requirement.
- II. Course drop request of EE698I: He registered for EE698I course in the current semester and requested to drop this course after approval of the course replacement request as mentioned in point no. 1.

<b>Item No. 10</b>	<b>Decision on the course/credits waiver request of the following two students to fulfill their graduation requirement.</b>
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- 1) **Mr. Anil Kumar Piparaiya (190138/BS/CHM):** Based on the recommendation of the DUGC, the committee discussed the request of Mr. Anil to consider CSO201A course as an SO course and after due deliberations, committee recommends request to the Senate.

The committee also requested to the Chemistry department to submit a proposal for amendment in the course template stating that the CSO201A, CSO202A and CSO203A are equivalent courses and CHM students may register any one of these courses to fulfil their ESO/SO requirement for completion of their graduation.

- 2) **Mr. Harshit Tiwari (190370/BT/BSBE):** The committee discussed the request of Mr. Harshit and after due deliberation, it has been decided by the committee to not recommend his request to the Senate. The committee did not find a reason to support replacement of an SO course by an OE course.

Further Mr. Harshit is advised to register for remaining course in the upcoming semester i.e., 2023-24-II and apply for semester leave for current semester i.e., 2023-24-I.

<b>Item No. 11</b>	<b>Decision on the proposal of the Physics (PHY) department for amendment in the course template of Dual Degree programme (Old and New UGARC)</b>
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The committee discussed the proposal of the PHY dept. to remove pre-requisite course PHY553A (Old UGARC) and PHY553 (New UGARC) from the course template of Dual Degree programme and after due deliberations, committee recommends the proposed amendment in the course template to the Senate for further consideration.

<b>Item No. 12</b>	<b>Discussion on the proposal of Materials Science and Engineering (MSE) department for amendment in the course template of BT/BTH/BTH/DD programme (New UGARC)</b>
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The committee discussed the proposal of the MSE dept. for the following amendments/corrections in the course template of BT/BTH/BTH/DD programme (New UGARC) and after due deliberations, committee recommends it to the Senate for further approval:

- I. **Correction in the course template of BT/BTH/BTH (6th semester):** It is written MSE354 for Capstone project. However, the course number is MSE360. It is proposed to change from MSE354 to MSE360 in the document.
- II. **Correction not required as its already updated:** It is written TA201 and TA202 that need to be changed to TA211 and TA212 respectively.
- III. **Correction in the course template of Dual Degree (7th and 8th semester):** It was written 27 credits for BT-MT (category B) for seventh and eighth semester that need to be changed to 18 credits. It was a typing mistake earlier.

The above listed corrections/amendments (except point no. II) will be updated in the course template of MSE department post approval of the Senate.

<b>Item No. 13</b>	<b>Discussion of the issue of course template violation by the students</b>
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The committee discussed the issue of course template violation and after long discussion, committee suggested that the compulsory courses to be frozen after auto insertion of courses in the registration form so that students cannot drop it during pre-registration and ADD/DROP period. However, students will be able to drop any course during mid semester drop period as per the date mentioned in the Academic Calendar.

Additionally, the committee also suggested that if a student wants to gain knowledge from a course, then s/he may request for respective courses as an Extra Audit course as per the guidelines given in the UG manual.

<b>Item No. 14</b>	<b>Consideration of new course proposals of Mathematics &amp; Statistics (MTH &amp; STA) department</b>
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This agenda item has been combined with item no. 5 of this meeting.

<b>Item No. 15</b>	<b>Consideration of request of Ms. Somya Gupta (200993/BS/MTH) to pursue her academic in upcoming semester i.e., 2023-24-II as a non-degree student under Exchange programme.</b>
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The request of Ms. Somya Gupta (200993) to pursue her academics in the upcoming semester i.e., 2023-24-II as a non-degree student under the Exchange programme was discussed in the meeting and after due deliberation, the committee approved her request. The detail are as follows:

S. No.	Name of the Student	Roll No.	Dept./Prog.	University/Institute	Semester	Credit/CPI
1.	Somya Gupta	200993	MTH/BS	HKBU, Hong Kong	2023-24-II	334/8.6

Anjan K. Gupta  
Chairperson, SUGC

Copy to: Dean of Academic Affairs (for information)