

Office of the Dean Academics

Sub: **Implementation of the New Undergraduate Curriculum**

The following are a few of the proposals approved by the Senate recently:

1. In the new curriculum, the credit requirements of B.Tech. degree were reduced, but provisions have been made for Departments to offer 20-credit Departmental Specializations for their own undergraduate students, and 20-credit Minor area / Interdisciplinary Specializations for undergraduate students from other Departments.
2. Integrated M.Tech. programme would be discontinued, and replaced by dual degree programme.
3. Every Department can allow students who have completed third year B.Tech. to apply for their M.Tech. / M.S. (Research) programmes with Advance Standing if they satisfy certain academic criteria.

The Undergraduate Curriculum Implementation Committee (UCIC) in its meeting on September 5, 2012 observed the following:

1. In view of the Departmental Specialization credits, it may be desirable for each Undergraduate degree awarding Department to consider offering a single programme, and avail of the flexibility of the new curriculum to give varying flavours to the degree.
2. In view of the discontinuation of Integrated M.Tech. Programme, the Mathematics Department has to resolve regarding the changes related to this in their faculty board.
3. All Departments that offer the Dual degree programme could take a fresh look at the programme and decide whether to continue offering a five-year programme at entry (JEE) level or to offer a four-year programme with option to convert it to a B.Tech – M.Tech or a B.Tech – M.S. (R) or Ph.D. combination based on student performance upto the end of third year.
4. In view of the fact that JEE 2013 is likely to be advertised for in October 2012, the topmost priority in terms of time-bound activities for curriculum implementation is the need for Departments to decide on the changes to the existing programmes.

In the above context, it is requested that the concerned Departments discuss the following questions in their faculty boards urgently:

A. Undergraduate Degree Awarding Departments:

1. What are the degree programmes that they would like to offer at entry level (JEE)?
 1. Would they want to offer only 4-year B.Tech. Programmes, with option for M.Tech / M.S (R) admission at the end of third year?
 2. Would they want to offer a Dual Degree programme at entry level itself?
2. Departments offering more than one UG programme: Would they want to consolidate their programmes into fewer or a single programme?
3. In each case, what would be the minimum and maximum number of students they would like to admit, keeping in view that the total number (851) for IIT Delhi cannot be changed?

Since the concept paper recommends a common first year curriculum with 22 credits of Basic Science courses and 18 credits of EA-ES courses, it is essential to have a broad outline of what these courses would contain, before the Departments could discuss the details of other courses to be included in the curriculum of their respective programmes. In view of this, the following questions need to be answered by the concerned Departments urgently:

B. Departments offering the Basic Science Core courses / EA-ES core courses for I year students:

1. What would be the broad outline of the first year core course(s) your Department proposes to offer?
2. What would be the tentative contents of other courses that your Department would offer in the programme related credits bouquet?

A copy of the concept paper approved by the Senate is enclosed for the reference of the Department. This document is also available at <http://web.iitd.ac.in/~ravimr/curriculum/concept-paper.pdf> in soft copy for circulation. The concerned Departments are requested to discuss the above questions in their faculty boards and send pointed answers to the above questions within two weeks, i.e., **latest by September 25, 2012.**

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