

Department of Mathematics
January 18, 2013

विभाग : गणित विभाग
Dept.: MATHEMATICS
संदर्भ संख्या/Ref. No. 2013...BMAT.42
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The feedback of the DFB held on January 8, 2013 on minutes of UCIC is as follows.

Dept. of Mathematics
Feedback on Minutes of UCIC Meeting II

1. Syllabus proposed for first year Mathematics courses is too heavy.

Response:

The syllabus has been well thought about and discussed in the Department. Complex Analysis has already been dropped from the existing syllabus. This in fact makes the proposed syllabus lighter than the existing one. It has been designed so that it comprises of all the topics on which a good engineering background can be made.

2. Real and Complex Analysis which is necessary for some engineering disciplines is still missing in the two Math courses. Mathematics Department is requested to consider them in the programme linked Basic Science courses.

Response:

As the issue was raised particularly by the EE department the following point may be noted:
Even in the present syllabus EE students do MAL 111 (Analysis and Differential Equations) and MAL124 (Algebra and Matrix Analysis). Thus Complex Analysis is not being studied by EE students even now.
However, Mathematics Department is open to float a course on complex analysis as a linked Basic Course if such a request comes from some Departments.

3. In order to expose students to practical applications of the concepts covered in Mathematics courses, the tutorial problems can be formulated in consultation with colleagues from different Departments.

Response:

The Department's view is that Mathematics should be taught as Mathematics. Moreover, the text book primarily followed for this course is "Advanced Engineering Mathematics" by Kreyszig. Thus Engineering Applications has always been in the course framework.

Also, as these are courses to be taken by students of all disciplines, forming tutorial sheets with different problems for different Departments on the multitude of topics is not practicable.

Mathematics Department, however, feels that different engineering Departments may include some of the mathematical applications pertaining to their respective branches into their "Introduction to Department Program" courses. Further, the Department encourages participation of engineering faculty members in delivering special lectures on more recent/advanced engineering applications. Engineering Departments may kindly let the HOD, Mathematics, know at the beginning of the semester regarding the details of faculty members who can deliver these special lectures, so that a tentative schedule can be prepared. Those special lectures however will have to be arranged outside the usual teaching hours of 42 L + 14 T. These special lectures will not be included in the syllabus for evaluation.


(B.S. Panda)
HOD Maths

To
Dean (Academic)