

MINUTES

Academic Council

January 7, 2005

M.11.A.11 The credits system to be followed at HBNI.

The European Credit Transfer System (ECTS) was discussed in detail. ECTS is based on the requirement that the academic work load per year be 1800 hrs. The academic work load per year at IITs was also examined. However, information available is not exhaustive enough to exactly quantify the work load at IITs. It would be desirable to follow a system closer to IITs.

AC decided that the credit system at the IITs and IISc might be examined in more details. The details of the credit system to be adopted by HBNI may be debated further by the Boards of Studies and recommendations may be made available to the Academic Council.



B. Chandrasekar

डा. बी. चन्द्रशेखर/DR. B. CHANDRASEKAR
कुलसचिव / REGISTRAR
होमी भाभा राष्ट्रीय संस्थान
Homi Bhabha National Institute
प्रशिक्षक विद्यालय परिसर, अणुशाक्तिनगर, मुंबई-४०० ०९४.
Training School Complex, Anushaktinagar, Mumbai-400 094.

MINUTES

April 5, 2006

M.6.A.6 In the first meeting of the Advisory Committee, it was agreed that, with the approval of the Academic Council, the HBNI could enter into MoU with a university or a reputed Institute for (i) mutual recognition of their supervisors, (ii) joint supervision of M.Tech./M.Phil. projects and Ph.D. thesis, (iii) mutual recognition of credits earned in the course works at the CI and the University/Institute. Accordingly, we had a dialogue with IIT-Bombay and UICT, Mumbai. Both of them have shown interest in entering in to such a MoU with HBNI. It is proposed to have a similar dialogue with TIFR and IIT-Madras. The Council

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may suggest the procedure for moving forward. Approval of the council sought for guidelines for entering into MoU with other universities/institutes.

The Council endorsed the opinion of the Advisory Committee and cautioned that care must be taken to ensure that the university/institute with which MoU is sought to be entered into must have highest academic and research standards. It approved entering into MoUs with IIT-Bombay, UICT, IIT-Madras and TIFR. It recommended that similar steps may be taken to enter into MoU with IIT-Kanpur as it is the only IIT conducting Nuclear Engineering Programme. The Council authorized the Director, HBNI to sign the MoUs addressing the following:

- (i) Recognition of supervisors
- (ii) Joint supervision of M.Tech./M.Phil. projects; Ph.D. and M.Sc.(Engg) thesis
- (iii) Credit transfer



B. Chandrasekar

डा. बी. चन्द्रशेखर/DR. B. CHANDRASEKAR
कुलसचिव / REGISTRAR
होमी भाभा राष्ट्रीय संस्थान
Homi Bhabha National Institute
पशुपति विद्यालय परिसर, अणुशक्तिनगर, मुंबई-४०० ०९४.
T. School Complex, Anushaktinagar, Mumbai-400 094.

M.3.A.2.1 Formulation of rules with respect to study away from the University.

It is observed that, in the interest of their work and to promote collaborations, the PhD students at times have to work at a place outside the Constituent Institutions (CIs) of HBNI. The Academic Council (AC) is requested to frame guidelines regarding the duration for which a student may be allowed to work at a place away from HBNI.

The AC deliberated at length on the subject of modalities and the duration of stay away from the University for the purpose of pursuing part of one's PhD research. The members exchanged the information they had about the relevant rules prevailing in other universities. AC was unanimous in opining that sufficient freedom and flexibility should be provided to students to undertake such a study and tasking doctoral committees of a student to take decision considering all academic aspects.

The AC decided that

A student may be permitted to devote part of the Ph.D. degree to study and research outside the HBNI (in addition to fieldwork or short laboratory visits) if the doctoral committee opines that:

1. **it is in the interest of the student's research and training;**
2. **the institution or location of proposed study has the research and training facilities consistent with the part of the work that the student is to take up there;**



B. Chandrasekar

डा. बी. चन्द्रशेखर/DR. B. CHANDRASEKAR
कुलसचिव / REGISTRAR

होमी भाभा राष्ट्रीय संस्थान
Homi Bhabha National Institute

प्रशिक्षक विद्यालय परिसर, अणुशक्तिनगर, मुंबई-४०० ०९४.
Training School Complex, Anushaktinagar, Mumbai-400 094.

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Approved in the 26th Meeting of
Council of Management

HBNI

Academic Ordinances



5. Credit Requirements

5.1 Credit assignment for individual courses:

Assignment of credits for each course is based on the assumption that one credit stands for 25 to 30 hours of workload. Workload refers to the notional time students typically need to complete all learning activities related to a particular course, (such as lectures, assignments, practicals, preparation for examinations and examinations) required to achieve expected outcomes. This corresponds to 7-8 contact hours of classroom teaching.

5.2 The following table shows credits to be assigned to all academic courses, which have class room teaching or lab work component. The table also includes credits to be awarded to self-study courses, credit seminar and minor project pursued as part of the coursework.

Contact Hours per week	Duration of course	Total contact hours	No. of credits	Hours of workload
3 hrs. of class room teaching	One-semester	42-45	6	150-180
2 hrs. of class room teaching	One-semester	28-30	4	100-120
1 hr. of class room teaching	One-semester	14-15	2	50-60
3 hrs. of lab work	One-semester	42-45	3	75-90
2 hrs. of lab work	One-semester	28-30	2	50-60
1 hr. of lab work	One-semester	14-15	1	25-30
Self-study course/ Credit Seminar			4	100-120
Minor Project			6-12	180-360



B. Chandrasekar

डा. बी. चन्द्रशेखर/DR. B. CHANDRASEKAR
कुलसचिव / REGISTRAR
होमी भाभा राष्ट्रीय संस्थान
Homi Bhabha National Institute
प्रशिक्षक विद्यालय परिसर, अणुशक्तिनगर, मुंबई-४०० ०९४.
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5.3 The following formula shall be used to calculate course credits in case of a course having class room lectures, tutorials and lab work

$$C = 2L + P$$

Where L=total number of hours of classroom lecture and tutorials (if applicable)/14.5
P=total number of practical hours/14.5 and
C= credit assigned to the course.

The value of C shall not exceed 8 credits per course in one semester.

5.4. It is recognised that the total credits to be earned by a student for an academic programme will be summation of credits of several components, such as, classroom and lab based course work, credit seminars, minor projects and self-study courses. All these components shall be prescribed at the outset by the Standing Academic Committee.

5.5. For all academic programs covered by present ordinances, there shall be a minimum requirement of credits to be earned through classroom courses.

The credits earned through self-study course(s) and credit seminar(s) shall not exceed 20 % of the total credits to be earned. Similarly, there is a limit on maximum credits which can be earned through minor projects. These requirements would depend on the nature of the academic program and the entry level qualifications of the students. Limits on credits which can be earned through each component shall be prescribed by the Board of Studies.



B. Chandra

डा. बी. चन्द्रशेखर/DR. B. CHANDRASEKAR
कुलसचिव / REGISTRAR

होमी भाभा राष्ट्रीय संस्थान
Homi Bhabha National Institute

अणुशक्तिनगर परिसर, अणुशक्तिनगर, मुंबई-४०० ०९४.
Anushaktinagar Campus, Anushaktinagar, Mumbai-400 094.