



राष्ट्रीय विज्ञान शिक्षा एवं अनुसंधान संस्थान, भुवनेश्वर

(परमाणु ऊर्जा विभाग, भारत सरकार का एक स्वायत्त संस्थान)

NATIONAL INSTITUTE OF SCIENCE EDUCATION AND RESEARCH, BHUBANESWAR

(An autonomous Institution under Department of Atomic Energy, Govt. of India)

Dr. Binod Kumar Sahoo
Dean, Academic Affairs

डॉ. विनोद कुमार साहु
डीन, अकादमिक अफ़ैर्स

संख्या /No.- NISER/ACAD/ M.Sc /2019-20/

तारीख/ Date:- 2nd December, 2019

To

The Dean
HBNI, Mumbai

Forwarded
SB
02/12/19

(Through: Director, NISER Bhubaneswar)

Subject: **Implementation of revised Integrated M.Sc. syllabus from Academic Year 2017-2018**

Dear Sir,

The 2nd Meeting of the Board of Studies (Integrated M.Sc.) of HBNI was held on 23rd May 2017 in NISER to discuss the proposal for revising Undergraduate (Integrated M.Sc.) syllabus, change in course structure and offering Minor in Computer Sciences which were proposed by the School of Biological Sciences, Chemical Sciences, Computer Sciences, Mathematical Sciences, Physical Sciences and Humanities & Social Sciences. Soft copies of the proposed revised syllabuses received from the schools were circulated among the members of the Board of Studies (BoS) on 12/05/2017 through email.

Prof. Meena Mahajan from IMSc Chennai had given her comments on the syllabus for Minor in Computer Sciences by email dated 18/05/2017. Prof. Pinaki Majumdar from HRI, Allahabad had also given his comments on Physics syllabus through email dated 20/05/2017. Their comments were discussed in the meeting. After incorporating all the suggestions/comments received from all the BoS members, the revised syllabus for the Integrated M.Sc. programme was implemented in NISER from the Academic Year 2017-2018.

Yours sincerely,

(Dr. Binod Kumar Sahoo)

Dean/FIC, Academic



Dean (Academic Affairs) <dean_aa@niser.ac.in>

2nd meeting of Board of Undergraduate Studies

Dean (Academic Affairs) <dean_aa@niser.ac.in>

Mon, May 22, 2017 at 12:39 PM

To: "Prof. Pinaki Mazumdar" <pinaki@hri.res.in>, Dilip K Maity <asso_dean@hbni.ac.in>, Meena Mahajan <meena@imsc.res.in>, Dr SC <schatt@barc.gov.in>, Bedangadas Mohanty <bedanga@niser.ac.in>, Anil Kumar Karn <anilkarn@niser.ac.in>, Chandan Goswami <chandan@niser.ac.in>, "A. Srinivasan" <sринi@niser.ac.in>, Pranay Kumar Swain <pranay@niser.ac.in>, Joydeep Bhattacharjee <jbhattacharjee@niser.ac.in>
Cc: V Chandrasekhar <vc@niser.ac.in>, Deepak Kumar Dalai <deepak@niser.ac.in>, Pradeep Kumar Mishra <pkmishra@niser.ac.in>

Dear all,

This is a gentle reminder for the 2nd meeting of Board of Undergraduate Studies.

Day & Date: 23rd May 2017

Venue: Conference Room, Administrative Building, NISER

Time: 3.30pm

Best regards

Harapriya

On Fri, May 5, 2017 at 1:14 PM, Dean (Academic Affairs) <dean_aa@niser.ac.in> wrote:

Dear all,

The second meeting of Board of Undergraduate Studies is proposed to be held on 23rd May 2017. Please let me know your availability.

Agenda: (i) Consider proposals for approval of revised undergraduate courses and changes in course structure
(ii) Consider approval of proposed courses for offering 'Minor in Computer Sciences'

Best regards

Harapriya

P.S: Copy of the mail marked to Dr. Deepak Dalai, Convenor, UGCI.

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Harapriya Mohapatra, Ph.D
Dean/FIC (Academic Affairs)
Reader-F, School of Biological Sciences
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Dean (Academic Affairs) <dean_aa@niser.ac.in>

2nd meeting of Board of Undergraduate Studies

Dean (Academic Affairs) <dean_aa@niser.ac.in>

Fri, May 12, 2017 at 4:41 PM

To: "Prof. Pinaki Mazumdar" <pinaki@hri.res.in>, Dilip K Maity <asso_dean@hbni.ac.in>, Meena Mahajan <meena@imsc.res.in>, Dr SC <schatt@barc.gov.in>, Bedangadas Mohanty <bedanga@niser.ac.in>, Anil Kumar Karn <anilkarn@niser.ac.in>, Chandan Goswami <chandan@niser.ac.in>, "A. Srinivasan" <srini@niser.ac.in>, Pranay Kumar Swain <pranay@niser.ac.in>, Joydeep Bhattacharjee <jbhattacharjee@niser.ac.in>
Cc: V Chandrasekhar <vc@niser.ac.in>, Deepak Kumar Dalai <deepak@niser.ac.in>

Dear all,

Please find attached with this mail the soft copy of UG syllabus of respective Schools for your perusal. Please give your inputs latest by 19th May 2017, so as to respond to them on the day of the meeting.

Best regards

Harapriya

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6 attachments



Chemical Sciences.pdf

567K



Mathematical Sciences.pdf

889K



Physical Sciences.pdf

415K



Computer Sciences.pdf

106K



Humanities & Social Sciences.pdf

725K



Biological Sciences.pdf

754K



Dean (Academic Affairs) <dean_aa@niser.ac.in>

2nd meeting of Board of Undergraduate Studies

meena@imsc.res.in <meena@imsc.res.in>
To: "Dean (Academic Affairs)" <dean_aa@niser.ac.in>

Thu, May 18, 2017 at 3:00 PM

The requirements and syllabus for the cs minor look very good; they have been prepared quite carefully. I have a few comments, listed below.

credit structure: 1 credit = 1 hour lecture/tutorial or 2 hours lab/field work. According to this, labs 141 and 142 should be 2.5 credits each.

(This has already been discussed by steering committee and referred to in the ATR.) CS301 Algorithms has 201 and 202 as prereqs. I agree that 202 should be a prereq, but 201 should NOT be a prereq. In fact, ideally ToC and Algorithms should be taught together, or ToC after Algorithms. Not that Algorithms is a prerequisite for ToC, but ToC is appreciated better after Algorithms. However, ToC before Algorithms can also work, and if for practical reasons it is better before Algorithms that is OK. However, ToC should not be listed as a prereq for Algorithms.

LPCO syllabus: complementary slackness (it appears as complimentary)

With regards,
Meena

[Quoted text hidden]



Dean (Academic Affairs) <dean_aa@niser.ac.in>

2nd meeting of Board of Undergraduate Studies

pinaki@hri.res.in <pinaki@hri.res.in>
To: "Dean (Academic Affairs)" <dean_aa@niser.ac.in>

Sat, May 20, 2017 at 8:52 PM

I will be traveling between 20-24 due to some emergency work. My comments on the physics document are below. I guess subject experts on the other subjects will take care of chemistry, mathematics, etc.

Sincerely,

Pinaki Majumdar

Comments:

I think the overall flow is quite well thought out.

Assuming that the document sent to us will also be accessible to the students I would suggest some minor changes.

1. Please format the references uniformly. Someone should check the correct author name, book title, and publisher, and incorporate this in the document.

2. Some courses do not list references at all. Maybe this can be remedied. Please look at quantum field theory 1, particle physics, general relativity and cosmology, and quantum field theory 2.

3. The soft matter course outline is much too general and brief. It would help to have a little more detail to guide both the teacher and the students.

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