



Parvatibai Chowgule College of Arts and Science Autonomous

Accredited by NAAC with Grade 'A' (CGPA Score 3.41 on a 4 Point Scale)
Best affiliated College-Goa University Silver Jubilee Year Award



Date: 7/01/2015

To,
The Members of Board of Studies in Botany,

Sub: Minutes of the First BOS Meeting in Botany

Sir/Madam,

We are hereby sending the minutes of the first Meeting of the Board of Studies in Botany held on 27th December 2014 at 10.30 a.m. in the College Conference Room.

All the members of the Board of Studies are requested to kindly go through the same and reply with your suggestions/ comments within a week.

Dr. Sangeeta Sankhalkar
Chairman

Attachments:
Minutes of the First BOS Meeting in Botany

**PARVATIBAI CHOWGULE COLLEGE OF ARTS AND SCIENCE
(AUTONOMOUS)**

MINUTES OF THE FIRST BOARD OF STUDIES MEETING IN BOTANY

Date: 27th December, 2014.

Time: 10:30 AM

Venue: Conference room, Parvatibai Chowgule College of Arts and Science, Margao-Goa

Chairperson: Dr. Sangeeta Sankhalkar, HOD, Botany Department

Constitution of the BOS in Botany.

- Head of the Department as Chairman
- Two subject experts nominated by Academic Council meeting
- One Vice Chancellors nominee
- One meritorious alumnus
- One representative from Industry/corporate sector
- All faculty members of the Department as BOS members.

The BOS meeting began at 10:30 AM. The Chairperson Dr. Sangeeta Sankhalkar welcomed the Board of studies members and read the meeting agenda. Chairperson requested Dr. R.V. Gaonkar, to enlighten the members with the course structure given by the college. All the members actively participated in the discussion. Ms. Devika commented positively on Course structure.

Agenda:

1. To approve the list of core and elective courses for undergraduate program in Botany
2. To approve the syllabi of Semester I and Semester II for the academic year 2015-16.
3. Recommend panel of examiners to the academic Council.
4. Renaming the Botany B.Sc. Course as Plant Science.
5. Any other business (A.O.B.)

Proceedings:

Agenda No.1: To approve the list of core and elective courses for undergraduate program in Botany was taken for discussion

1.1 Discussion on the proposed list of core and elective courses for undergraduate program:

Discussion Summary: Members took active part in the discussion and put forth their apprehensions and concerns, which was discussed and amicably agreed to incorporate changes in the core and elective courses.

Details of the discussion:

1. Prof. Bernard suggested that Elective Paper Plant Breeding and Biostatistics could be separated into two papers. He also suggested that Plant ecology should be a Core paper and Microbiology can be made Elective paper. Necessary explanation was given justifying incorporation of Microbiology as Core paper.
2. It was suggested to separate Elective papers from Interdisciplinary papers and add more of Elective papers since the list of Elective papers included the names of Interdisciplinary papers.
3. Prof. Sharma suggested including Algal Biotechnology as an Elective paper since there is ample availability of algal species both fresh and marine. He requested Industrial representative to contribute in the field of Entrepreneurship in this area.
4. Industry representative from BioEra Mr. M. Dangre and Prof. Sharma expressed their concern over students inability to work independently. Mr. Dangre suggested that every student should be given hands on training so that they get practical experience in the laboratory in handling of instruments etc.as followed by Mumbai University. He also suggested increasing Electrophoresis Unit in the Department.

Resolution on the proposed list of core and elective courses for undergraduate program:

It was resolved after discussion by the members of BOS to accept the list of core and elective courses for undergraduate program in Botany with incorporation of suggestions as mentioned above.

Agenda No. 2: To approve the syllabi of Semester I and Semester II for the academic year 2015-16 was taken up for discussion.

2.1 Discussion on Semester I Core Paper 1: PLANT DIVERSITY

It was suggested by Prof. Bernard to mention Five kingdom classification under unit 1- Algae instead of Diversity in plant kingdom. Position of plants in five kingdom system. To mention year for classification of Algae following Lee, specifying general characters with examples and include systematic positions for examples mentioned.

Prof. Sharma suggested to have Lower forms and Higher forms under plant diversity instead of specifying each and to put Gymnosperms as higher form as followed abroad.

Regarding Unit II members suggested to mention examples for plant diseases like rice, wheat, coconut, arechanut, groundnut, cashewnut and to be general as there is a separate paper on plant pathology.

Regarding Practical component members suggested to avoid submissions of herbarium and plant specimens so as to protect the environment. Also suggested to follow common format for references.

2.2 Discussion on Semester I Core paper 2: CELL BIOLOGY & BIOMOLECULES

Prof. Sharma suggested to remove word overview with respect to each cell organelle, avoid repetition with respect to transport mechanisms. Also asked to include Lysosomes in Unit IV (4.3) instead of unit V (5.2), give more information on ribosomes with emphasis on latest important studies done on ribosomes.

Under BIOMOLECULES section Prof. Sharma suggested to discuss pH and buffers. Under practical component suggested to eliminate practical on spooling of DNA since it was not included in the theory component. Further he suggested to restrict to isolation Mitochondria and eliminate chloroplast isolation considering practical difficulty in its isolation. Prof. Sharma also asked to follow suitable tests for carbohydrate and fatty acid detection.

2.3 Discussion on Semester II Core Paper 3: PLANT ANATOMY AND EMBRYOLOGY

Theory component was accepted without any changes. In the practical aspects subject expert suggested to include Histochemical test for cutin along with others mentioned and to merge types of ovule along with stages in micro and megasporogenesis.

2.4 Discussion on Semester II Core Paper 4: MICROBIOLOGY

Members suggested few changes with regard to culture types under Unit I & under Unit III with regard to microbial genetics, Biofuels under Unit IV and Unit VII Microbial Food Technology. Changes were made immediately as per suggestions.

2.5 Resolution on the proposed list of core and elective courses for undergraduate program:

It was resolved after discussion that the syllabi of Semester I and Semester II for the academic year 2015-16 was accepted by BOS members with incorporation of suggestions.

All the suggestions and corrections were incorporated in the draft of the syllabus during meeting itself. It was agreed to circulate the copy of changed syllabi to the members.

Agenda No. 3: Recommend panel of examiners to the Academic Council was taken up for discussion.

3.1 Discussion on Panel of examiners:

Additional names were suggested in the proposed panel of examiners.

Resolution to Recommend panel of examiners to the Academic Council:

Members of BOS accepted recommended panel of examiners to the Academic Council with incorporation of additional names.

Agenda No. 4. Renaming the Botany B.Sc. Course as Plant Science.

4.1 Discussion on renaming of the course:

VC nominee Prof. Bernard and Academic Council nominee Prof. Sharma suggested not to change the programme name. Prof. Sharma raised his concern that change in name as Plant Science may restrict future opportunities to students as "Graduate or Post Graduate in BOTANY" is displayed in advertisements.

Resolution on Renaming the Botany B.Sc. Course as Plant Science:

It was unanimously accepted by all the BOS members to retain the nomenclature as Botany B.Sc. Course.

Agenda No. 5. Any Other Business (A.O.B.).

There were no issues for discussion.

Assessment of the meeting:

Board of Studies chairman Dr. Sangeeta Sankhalkar formally thanked all the BOS members for their contribution/suggestions and comments on the course structure, proposed syllabi and having fruitful open discussion. Dr. R. V. Gaonkar, Principal and BOS member also thanked the Academic council nominee Dr. P. K. Sharma, Vice Chancellors nominee Dr. B. F. Rodrigues, representative from Industries, Mr. Milind Dangre for giving mindful suggestions and for coming prepared for the meeting.

Meeting adjourned at 1:30 PM.

Members present:

1. Dr. Sangeeta Sankhalkar, Chairman, BOS, Botany Department.
2. Dr. P.K. Sharma, Academic Council Nominee, Botany Department Goa University.
3. Dr. B. F. Rodrigues, Vice Chancellor Nominee, Botany Department Goa University.
4. Mr. Milind Dangre, Industry representative, Bioera Life Sciences Pvt. Ltd.(represented BioEra in place of Mr. Pradeep Bokil)
5. Ms. Devika Priolkar, Alumnus.
6. Dr. R. V. Gaonkar, Principal, Parvatibai Chowgule College, Margao Goa.
7. Dr. Uma Masur, Member secretary, Asst. Prof. Botany Department.
8. Ms. Prabha Tiwari, Asst. Prof. Botany Department.
9. Ms. Anisha Fernandes, Asst. Prof. Botany Department.
10. Ms. Freda Perera, Asst. Prof. Botany Department.
11. Mr. Deepak Bhandari- Secretary.

Members absent:

1. Dr. Usha Mukundan, Principal, R.J. College of Arts, Science and Commerce, Mumbai.
Expressed inability to attend the meeting due to her busy schedule.
2. Ms. Amisha Pednekar, Asst. Prof. Botany Department. On Maternity leave.



Dr. Uma Masur

Member Secretary



Dr. Sangeeta Sankhalkar

BOS Chairman