

DAS/2018/71/24.01.18

Department of Animal Sciences

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Dated: 24-01-2018

Subject: Minutes of 4<sup>th</sup> Board of Studies (BoS) meeting of the Department of Animal Sciences held on 24<sup>th</sup> January, 2018.

The Department of Animal Sciences held its 4<sup>th</sup> BoS meeting on 24-01-2018 at 2.30 pm in the committee room academic block.

The meeting was presided over by the chairman and the minutes of the meeting were recorded by the convener. The chairman proposed the welcome note to all members and also circulated the agenda prepared by the convener to the members.

As per the recommendations of the 4<sup>th</sup> CDDC meeting of the department which was held on 16-01-2018, the revised syllabi of the programs to be offered for the next academic session are:

- (i) M.Sc. Life Sciences with specialization in Animal Sciences
- (ii) Ph.D. in Animal Sciences

were discussed for their implementation for the next academic session 2018-2019.

The minutes of the proceedings are as follows:

The recommendations received from the external BoS members are placed before the members for the consideration.

**Agenda Item No. 1:** To review and approve the proposed changes (Amendments) in terms of course codes for the M.Sc. Life Sciences with specialization in Animal Sciences for the academic session 2017-18 (approved through the 3<sup>rd</sup> BoS and 2<sup>nd</sup> School Board) as per the instructions received from the examination cell (reference letter no. CUPB/CC/COE/17/1076 dated 09/11/2017) to streamline the course codes for online examinations. (Annexure – I & II)

Resolution: *Approved as presented and recommended by the CDDC*

**Agenda Item No. 2:** To review and approve the proposed changes, course structure, and syllabi for the program M.Sc. Life Sciences with specialization in Animal Sciences to be offered during the academic session 2018-19. (Annexures – III & IV).

Resolution: *Approved as presented and recommended by the CDDC*

**Agenda Item No. 3:** To review and approve the course structure and syllabi for the Ph.D. program in Animal Sciences to be offered during the academic session 2018-19. (Annexures – V & VI).

Resolution: *Approved as presented and recommended by the CDDC*

*Head, Deptt of Animal Sc  
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A.Sar.*

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Sunit  
Shahne  
R.K. Chantanya  
24.1.18*

*Navrattan Kaur  
Sudipta  
24/1/2018*

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M. Anilkumar  
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**Annexure - IV: Tabular presentation of proposed changes to the program M.Sc. Life Sciences with specialization in Animal Sciences for the academic session 2018-19**

The following changes are proposed to the existing (2017-18) curriculum in order to streamline the curriculum, increase time for performing hands on experiments and manage overall course load of the students from the next academic session (2018-19).

M.Sc. program	Existing curriculum (2017-18)	Changes made in the existing curriculum for 2018-19 session	Remarks / Justification
<b>Semester: I - IV</b>	Course codes LAS.XXX for the courses	As per the directions received from the examination cell	To streamline all the course codes and no.s to reduce / limit the inconsistency for the online examinations
<b>Semester - I</b>	<b>LAS.506:</b> Introduction to Animal Sciences (2 Credits)	<b>LAS.507:</b> Animal Classification and Diversity (3 Credits)	In place of Introduction to Animal Sciences, which is a generalized course has been reframed keeping the course requirements and wider interest of the students.  The members have taken care to include the content to other courses in the program.
	<b>LAS.509:</b> Ecology, Evolution and Diversity	<b>LAS.510:</b> Ecology and Evolution	Renamed and the Diversity portion has been moved to the course <b>LAS.507</b>
	<b>LAS.597</b>	Removed	Only one credit seminar in <b>Semester-II</b> for the students has been proposed with the inputs received from the students.
	<b>LAS.513:</b> <b>Techniques in Life Sciences</b>	Unit-3: <i>added with 'In situ hybridization'</i>  Unit-4: <i>added with 'Perfusion, Fixation, different techniques of sectioning, MTT assay, Electrophysiological techniques like Patch clamp'</i>	As per the requirement of these techniques to the students

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Semester - II	<b>LAS.526:</b> Behavioural Neurogenetics	<b>LAS.527:</b> Animal Behaviour	Course namely Behavioural Neurogenetics has been renamed and redesigned keeping in view of its importance.  As the former course felt bit advanced.
Semester - III	<b>LAS.503:</b> Biostatistics and Research Applications	<b>LAS.502:</b> Research Methodology and Biostatistics	Modification required to be in line with the university nomenclature
Semester - IV	<b>LAS.554:</b> <b>Neurobiology and Degeneration</b>	<i>Introduced two units:</i>  <b>Unit-1:</b> Introduction to Human Brain and Nervous System; Metabolic functions of the Brain; Energy Requirements; Oxidative stress; Factors contributing to the neurodegeneration.  <b>Unit-4:</b> <b>Therapeutic intervention:</b> Current treatment strategies including Pharmaceutical and Natural products based therapies for various human neurodegenerative diseases.	As per the requirement of the course.

*Handwritten signatures and initials:*  
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Annexure - VI:

Tabular presentation of proposed changes in the Ph.D. Animal Sciences for the academic session 2018-19

The following changes are proposed to the existing (2017-18) curriculum in order to incorporate the course content as per the directions/recommendations of IQAC.

Ph.D. program	Existing curriculum 2017-18	Changes made in the curriculum existing curriculum for academic session 2018-19	Remarks / Justification
Core Course	<b>LAS.701:</b> Research Methodology, Biostatistics and Computer Applications	<b>Unit -1: added with</b> <b>Plagiarism:</b> Avoiding Plagiarism during documents / thesis / manuscripts / scientific writing. <b>Bibliographic index and research quality parameters:</b> citation index, impact factor, <i>h</i> - index, i10 index, etc. <b>Research engines:</b> Google scholar, Scopus, Web of science, etc. Intellectual property protection (IPP) and Intellectual property rights (IPR).	As per the recommendations of IQAC.

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