

MINUTES OF THE MEETING OF THE FACULTY OF SCIENCE HELD ON 14th May 2016

A meeting of the Faculty of Science was held on 14th May 2016 at 12.00 noon in the room of the Dean, University College of Science, Udaipur. Following members were present :

1. Prof. K. Venugopalan	Chairman
2. Prof. B.L. Ahuja	Member
3. Prof. P.K. Chaudhary	Member
4. Prof. N. Lakshmi	Member
5. Prof. C.P. Jain	Member
6. Prof. Kanika Sharma	Member
7. Prof. M.K. Jain	Member.
8. Prof. Pinky Bala Punjabi	Member
9. Prof. G.S. Rathore	Member
10. Prof. Atul Tyagi	Member
11. Prof. Arti Prasad	Member

The following resolutions were taken

1. Approved the minutes of the meeting of the Faculty of Science held on 18th January, 2016 with an observation that University has already issued an order establishing the new Department of Computer Science and the members appreciated the quick action by the University in the light of approval already available. As a part of resolution already passed in the last meeting, the members resolved to recommend establishment of the Department of Biotechnology and Department of Polymer Science in the Faculty of Science and State Government may be requested to provide Faculty and non-teaching positions as per UGC norms.

2. Approved the minutes of the Committee of Courses in following subjects:

(a) Botany (b) Biotechnology (c) Chemistry (d) Pharmacy (e) Physics (f) Mathematics (g) Informatics & Computational Sciences (h) Zoology

The minutes of the above Committee of Courses enclosed (**Enclosure-I**) with following observations and recommendations:

(a) All the committee of Courses approved the Choice Based Credit System for UG courses from session 2017-18 provided teachers are recruited to have a Teacher : Student ratio of 1:20 as per the UGC/RUSA norms for imparting quality education through CBCS courses. It is unanimously resolved that quality should not be compromised in CBCS system by engaging period based guest faculty for teaching and the CBCS system is not to be followed till adequate number of faculty positions are provided as per UGC norms.

(b) The syllabus of UG courses in all the subjects are revised from session 2016-17 by adding new practicals from practical list for CBCS model syllabus of UGC. In most of the subjects Virtual Laboratories, computer based experiments etc. were also added. Further, in theory minor changes were made in the last unit by adding lectures on Nobel laureates, modern

developments etc. Since no questions are to be asked in theory papers from these topics, there will be no change in the examination pattern.

(c) A separate committee of courses in Computer Science may be constituted after the present term of Committee of Courses in IT&CS in the light of establishment of new department of Computer Science. Since department of Physics is more related to basic engineering subjects, the courses in the interdisciplinary area of technology and engineering including Information Technology, Nanotechnology etc. may be considered in the Committee of courses in Physics.

(d) Approved the rules and regulations for conduct of short term Diploma Courses in Vocational courses and Short term Certificate courses in Skill Enhancement Courses framed by a committee constituted by the Faculty Chairman. The committee recommended the university to consider the matter of rate of honorarium as per university norms as well as considering the effort involved in the conduct of the skill tests **(Enclosure-II)**

(e) From session 2016-17, the following diploma, short term diploma vocational courses, short term certificate courses for skill enhancement will be offered. The course rules, eligibility, syllabus etc. approved by the Committee of Courses are approved.

A. Diploma Course

Post Graduate Diploma in public health entomology

Diploma in Clinical Lab Technology

B. Short Term Diploma in Vocational Courses

1. Software Development
2. Computer Network Installation and Maintenance

C. Short Term Certificate Courses in Skill Enhancement

1. Basic Electricity and Electronics
2. Computer Hardware Maintenance and Installation
3. Computer Network Maintenance
4. Optical Fibre Maintenance
5. Information Technology for Business and Accounting Applications
6. Advanced Information Technology for Business and Accounting Applications
7. Video Editing and Production
8. Statistical Analysis of Data using SPSS
9. Big Data Analytics
10. Java J2EE
11. Visual Studio dot Net
12. Office Automation and E-governance

13. Cloud Computing

14. Mushroom culture

15. Vermitechnology

(i) Approved the curriculum for Five Years Integrated Course in MCA from session 2017-18 to be offered by the Department of Computer Science.

3. Faculty recommended that students admitted to the UG courses may be made aware the requirement of 75% attendance from the time of admission by taking an affidavit from them for the following and printing it in the information bulletin:

(a) All the students admitted as regular students of UG, PG and other courses in the faculty of science shall be required to attend 75% of the classes held in each subject in both practical and theory separately. In CBCS courses, 75% attendance will be required separately in each paper as per course rules.

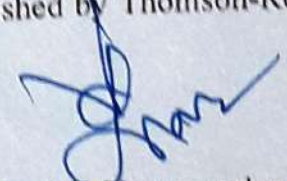
(b) Attendance will be prepared by the teacher concerned and notified every month on the University website and notice board normally before 7th of every month by the Head of the Department.

(c) Candidates whose attendance is less than 75% shall not be allowed to appear in the University external examinations based on the attendance computed at the end of session/semester. However, in genuine cases decided by a committee, maximum 10% of the total classes held can be conducted as remedial classes in each paper provided the expenditure for conducting such classes will be borne by the participating students on sharing basis. No exception and relaxation in the maximum remedial classes to be held is permissible as it dilutes the attendance requirement.

(d) In case of serious medical reasons (to be decided by a committee) maximum 5% of classes lost may be allowed to be compensated by assigning written or any academic work by recording attendance as and when student returns back from medical leave.

4. Considered the list of standard journals to be approved and published on the University web site for the purpose of calculating API, publications in peer reviewed journals, etc for direct recruitment and CAS promotion of teachers and requirement of peer reviewed publication for submission of Ph.D thesis etc. The list of journals included in the various databases and abstracting journals etc submitted by the Departments approved and recommended for further processing as per UGC guidelines. It is also resolved that for the purpose of Impact Factor calculation, only the Impact Factor published by Thomson-Reuter is to be considered as the authentic.

The meeting ended with vote of thanks to the chair


Prof. K. Venugopalan
CHAIRMAN

Dated: 16/05/2016
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No. UCS/PA/FSC./2016/ 601

Copy forwarded for information and necessary action to:

1. The Registrar, Mohanlal Sukhadia University, Udaipur with
(a) Minutes of the Committee of Courses in subjects given above
(b) General Examination Rules and Regulations for Short Term Diploma and Skill
Enhancement Courses
for placing the minutes in the forthcoming meeting of the Academic Council.

2. The Head of the Department ofMLSU, Udaipur

3. Prof./Dr.

Prof. K. Venugopalan
CHAIRMAN

SCHEME FOR VARIOUS COURSES RUN BY DEPARTMENT OF ZOOLOGY 2020-21

M.Sc. (CBCS) ZOOLOGY 2020-2021								
S. N.	STAGE	CODE	TOPIC	LTP	NO. OF CREDITS	MAX. MARKS		TOTAL
						UNI V EXAM	INT ASS ES	
1	SEM.1	M1ZOO-01-CT-01	Biosystematics, Structure and Function of Invertebrates	3.1.0	4	80	20	100
2	SEM.1	M1ZOO-02-CT-02	Ethology and Evolution	3.1.0	4	80	20	100
3	SEM.1	M1ZOO-03-CT-03	Instrumentation and Techniques in Biology	3.1.0	4	80	20	100
4	SEM.1	M1ZOO-04-CT-04	Cell and Molecular Biology	3.1.0	4	80	20	100
1	SEM.2	M2ZOO-01-CT-05	Biodiversity and Conservation Biology	3.1.0	4	80	20	100
2	SEM.2	M2ZOO-02-CT-06	Environmental Toxicology	3.1.0	4	80	20	100
3	SEM.2	M2ZOO-03-CT-07	Developmental Biology	3.1.0	4	80	20	100
4	SEM.2	M2ZOO-04-CT-08	Animal Physiology and Immunology	3.1.0	4	80	20	100
1	SEM.3	M3ZOO-01-CT-09	Vertebrates	3.1.0	4	80	20	100
2	SEM.3	M3ZOO-02-CT-10	Biostatistics, Computational Biology and Bioinformatics	3.1.0	4	80	20	100
1	SEM.4	M4ZOO-01-CT-11	Applied Zoology	3.1.0	4	80	20	100
2	SEM.4	M4ZOO-02-CT-12	Animal Biotechnology	3.1.0	4	80	20	100
CORE COURSE PRACTICAL								
S. N.	STAGE	CODE	TOPIC	REMARKS				
1	SEM.1	M1ZOO-05-CP-01	Practical -I	0.0.8	4	80	20	100
2	SEM.1	M1ZOO-06-CP-02	Practical-II	0.0.8	4	80	20	100
1	SEM.2	M2ZOO-05-CP-03	Practical-I	0.0.8	4	80	20	100
2	SEM.2	M2ZOO-06-CP-04	Practical-II	0.0.8	4	80	20	100
1	SEM.3	M3ZOO-05-CP-05	Practical-I	0.0.8	4	80	20	100
2	SEM.4	M4ZOO-06-CP-06	Practical-I	0.0.8	4	80	20	100
DISCIPLINE SPECIFIC COURSES THEORY & PRACTICAL (SEM. III)								
S. N.	STAGE	CODE	TOPIC	REMARKS				
1	SEM.3	M3ZOO-03-ET-01A	Entomology and Insect Toxicology-I	3.1.0	4	80	20	100
2	SEM.3	M3ZOO-03-ET-01B	Wild life Biology-I	3.1.0	4	80	20	100
3	SEM.3	M3ZOO-03-ET-01C	Limnology and Fisheries-I	3.1.0	4	80	20	100
4	SEM.3	M3ZOO-04-ET-02A	Entomology and Insect Toxicology-II	3.1.0	4	80	20	100
5	SEM.3	M3ZOO-04-ET-02B	wild life Biology-II	3.1.0	4	80	20	100
6	SEM.3	M3ZOO-04-ET-02C	Limnology and Fisheries-II	3.1.0	4	80	20	100
7	SEM.3	M3ZOO-05-EP-01A	Entomology and Insect Toxicology (Practical-II)	0.0.8	4	80	20	100
8	SEM.3	M3ZOO-05-EP-01B	Wild life Biology (Practical-II)	0.0.8	4	80	20	100

9	SEM.3	M3ZOO-05-EP-01C	Limnology and Fisheries (Practical-II)	0.0. 8	4	80	20	100
			DISCIPLINE SPECIFIC COURSES THEORY & PRACTICAL (SEM. IV)					
1	SEM.4	M4ZOO-03-ET-01A	Entomology and Insect Toxicology-I	3.1. 0	4	80	20	100
2	SEM.4	M4ZOO-03-ET-01B	Wild life Biology-I	3.1. 0	4	80	20	100
3	SEM.4	M4ZOO-03-ET-01C	Limnology and Fisheries-I	3.1. 0	4	80	20	100
4	SEM.4	M4ZOO-04-ET-02A	Dissertation	3.1. 0	4	80	20	100
5	SEM.4	M4ZOO-04-ET-02B	Dissertation	3.1. 0	4	80	20	100
6	SEM.4	M4ZOO-04-ET-02C	Dissertation	3.1. 0	4	80	20	100
7	SEM.4	M4ZOO-06-EP-02A	Entomology and Insect Toxicology (Practical-II)	0.0. 8	4	80	20	100
8	SEM.4	M4ZOO-06-EP-02B	Wild life Biology (Practical-II)	0.0. 8	4	80	20	100
9	SEM.4	M4ZOO-06-EP-02C	Limnology and Fisheries (Practical-II)	0.0. 8	4	80	20	100
			SKILL DEVELOPMENT/CERTIFICATE COURSES (SEM II)					
10	SEM.2	M2ZOO-SE-01A	Vermitechnology and Solid Waste management	0.0. 4	2	80	20	100
10	SEM.2	M2ZOO-SE-01B	Bee Keeping	0.0. 4	2	80	20	100
10	SEM.2	M2ZOO-SE-01C	Sericulture	0.0. 4	2	80	20	100
10	SEM.2	M2ZOO-SE-01D	Mushroom culture	0.0. 4	2	80	20	100
10	SEM.2	M2ZOO-SE-01E	Tools and Techniques in Wildlife Assessment	0.0. 4	2	80	20	100
			SKILL DEVELOPMENT/ CERTIFICATE COURSES (SEM IV)					
11	SEM.4	M4ZOO-SE-01A	Vermitechnology and Solid Waste management	0.0. 4	2	80	20	100
11	SEM.4	M4ZOO-SE-01B	Bee Keeping	0.0. 4	2	80	20	100
11	SEM.4	M4ZOO-SE-01C	Sericulture	0.0. 4	2	80	20	100
11	SEM.4	M4ZOO-SE-01D	Mushroom culture	0.0. 4	2	80	20	100
11	SEM.4	M4ZOO-SE-01E	Tools and Techniques in Wildlife Assessment	0.0. 4	2	80	20	100

POST GRADUATE DIPLOMA PUBLIC HEALTH ENTOMOLOGY (2020-21)

S.N.	STAGE	CODE	TOPIC	LTP	NO. OF CREDITS	MAX. MARKS		TOTAL
						UNIV EXAM	INT ASSES	
1.	SEM 1	DPHE 1-CT-01A	Anophelines & Culicines and their medical importance	3.1.0	4	80	20	100
2.	SEM 1	DPHE 1-CT-02A	Sand flies, Black flies, Muscoid flies and their medical Importance	3.1.0	4	80	20	100
3.	SEM 1	DPHE 1-CT-03A	Other Arthropods of Medical and Veterinary Importance	3.1.0	4	80	20	100
4.	SEM 1	DPHE 1-CT-04A	Integrated Methods of Vector Management	3.1.0	4	80	20	100
5.	SEM 1	DPHE 1-CP-01A	Practical I (Paper IA and IIA)	0.0.8	4	80	20	100
6.	SEM 1	DPHE 1-CP-02A	Practical II (Paper IIIA and IVA)	0.0.8	4	80	20	100
7.	SEM 2	DPHE 2-CT-05B	Anophiline and Culicine Diagnosis ,treatment and prognosis	3.1.0	4	80	20	100
8.	SEM 2	DPHE 2-CT-06B	Sand flies, Black flies, Muscoid flies and the Diagnosis ,treatment and prognosis	3.1.0	4	80	20	100
9.	SEM 2	DPHE 2-CT-07B	Other Arthropods of Medical and Veterinary Importance Diagnosis, treatment and prognosis	3.1.0	4	80	20	100
10.	SEM 2	DPHE 2-CT-08B	Biological & Environmental Methods for the Control of Vectors_Diagnosis ,treatment and prognosis	3.1.0	4	80	20	100
11.	SEM 2	DPHE 2-CP-03B	Practical III (Paper IB and IIB)	0.0.8	4	80	20	100
12.	SEM 2	DPHE 2-CP-04B	Practical IV (Paper IIIB and IVB)	0.0.8	4	80	20	100

Newly proposed certificate courses (2020-21)

S.N.	STAGE	CODE	TOPIC	LTP	NO. OF CREDITS	UNIV EXAM	INT ASSES	TOTAL
ORGANIC FARMING AND SOLID WASTE MANAGEMENT THROUGH VERMITECHNOLOGY								
1.		CC VT-CT01	Biology of Earthworms		NA			50
2.		CC VT CT - 02	Vermitechnology and Solid Waste Management		NA			50
3.		CC VT CP01	PRACTICAL		NA	75	25	100
MUSHROOM CULTIVATION								
1.		CC MC-CT01	Mushroom Cultivation Techniques		NA			50
2.		CC MC-CT02	Harvest and post harvest technology and Mushroom farm management		NA			50
3.		CC MC-CP01	PRACTICAL		NA	80	20	100