

Minutes of the 22nd Academic Council Meeting, Agriculture University, Jodhpur

The 22nd Meeting of Academic Council was held on 12th October, 2023 at 11:00 AM in the Conference Hall of ARS, Mandor, Jodhpur under the Chairmanship of Prof. B.R. Choudhary, Hon'ble Vice-Chancellor, Agriculture University, Jodhpur.

The followings were present in the meeting either Online or off-line mode:

S. No.	Name & Designation	As
1.	Prof. B.R. Choudhary, Hon'ble Vice-Chancellor, Agriculture University, Jodhpur	Chairman
2.	Dr. Ishwar Singh, Director Extension Education, Agriculture University, Jodhpur	Member
3.	Dr. S.D. Ratnoo, Director HRD, Agriculture University, Jodhpur	Member
4.	Dr. V.S. Jaitawat, Director Student Welfare, Agriculture University, Jodhpur	Member
5.	Dr. J.R. Verma, Director PME and Head, Department of Plant Pathology, Agriculture University, Jodhpur	Member
6.	Dr. M.M. Sundria, Dean & Faculty Chairman and Head, Department of Entomology, Agriculture University, Jodhpur	Member
7.	Dr. R.L. Bhardwaj, Dean, CoA, Sumerpur (Pali) & Head, Department of Horticulture, Agriculture University, Jodhpur (Participated Online)	Member
8.	Dr. Sewa Ram Kumawat, Dean, CoA, Nagaur and Head, Department of Extension Education, Agriculture University, Jodhpur (Participated Online).	Member
9.	Dr. Madan Mohan Kumawat, Dean, CoA, Baytu, Barmer (Participated Online).	Member
10.	Dr. Ramdev Sutaliya, Head, Department of Agronomy, Agriculture University, Jodhpur	Member
11.	Dr. S.K. Moond, OSD, College of Technology and Agriculture Engineering, Jodhpur	Member
12.	Dr. U.N. Shukla, Controller of Examination and Head, Department of Soil Science, Agriculture University, Jodhpur	Member
13.	Dr. Banwari Lal, OSD, College of Dairy and Food Technology, Jodhpur	Member
14.	Dr. S.R. Maloo, Retd. Professor (Plant Breeding & Genetics) & Former Dean, RCA, MPUAT, Udaipur (Participated Online).	Member (Co-opted)
15.	Dr. K.K. Bora, Retd. Prof. (Plant Physiology), CoA, Jodhpur.	Member (Co-opted)
16.	Dr. Dheeraj Singh, Principal Scientist and Head, ICAR-CAZRI, Pali (Participated Online).	Member (Co-opted)
17.	Dr. S.R. Kumhar, Director Research and Director Education, Agriculture University, Jodhpur	Member/ Secretary

At the outset, Dr. Sita Ram Kumhar, Director Education & Secretary, Academic Council, Agriculture University, Jodhpur welcomed the Chairman and respected members in the meeting. Thereafter, Prof. B.R. Choudhary, Hon'ble Vice-Chancellor and Chairman also

welcomed all the members. He briefed the house about the progress made by the University in terms of sanction of posts and also budget for infrastructure development and emphasizing need to increase students intake through PG programmes as per the guideline of NEP-2020.

The following agenda items were discussed in the meeting:

Agenda Item No.	Agenda
AUJ/AC-22/2023/01	Confirmation of the minutes of 21st Academic Council Meeting held on 27th April, 2023. Resolution: Confirmed
AUJ/AC-22/2023/02	Action Taken Report of the minutes of 21st Academic Council Meeting held on 27th April, 2023. Resolution: Approved
AUJ/AC-22/2023/03	To consider and approve the minutes of 5th Board of Studies, Faculty of Agriculture, Agriculture University, Jodhpur (Annexure-III). Resolution: Minutes of 5 th Board of Studies approved for PG programme and dropped for UG programme. Action taken: Director Education, Agriculture University, Jodhpur
AUJ/AC-22/2023/04	To consider and approve the minutes of 1st Board of Studies, Faculty of Agriculture Engineering, Agriculture University, Jodhpur (Annexure-IV). Resolution: Minutes of 1 st Board of Studies, Faculty of Agriculture Engineering approved as such. Action taken: Faculty Chairman (Agriculture Engineering), Agriculture University, Jodhpur
AUJ/AC-22/2023/05	To consider and approve the minutes of 1st Board of Studies, Faculty of Dairy Technology, Agriculture University, Jodhpur (Annexure-V). Resolution: Minutes of 1 st Board of Studies, Faculty of Dairy Technology approved as such. Action taken: Faculty Chairman (Dairy Technology), Agriculture University, Jodhpur
AUJ/AC-22/2023/06	To consider and approve the separation of Faculty of Management from Faculty of Dairy Technology, AU Jodhpur Resolution: House agreed to separate the Faculty of Management from Faculty of Dairy Technology, as “ Faculty of Management Agriculture University, Jodhpur ”. Action taken: Registrar, Agriculture University, Jodhpur
AUJ/AC-22/2023/07	To consider and approve internal evaluation of Mid-term answer books by the concerned teacher at college level. Resolution: Agenda dropped.





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AUJ/AC-22/2023/08	<p>To consider and approve the re-evaluation permissible limit of two subjects of Final Theory Examination but not applicable due subject(s).</p> <p>Resolution: House unanimously approved to re-evaluate the answer books to the maximum of two subjects out of total theory papers of the final Examination of the semester. Re-totalling of marks is allowed for all papers. The fee for re-evaluation and re-totalling will be charged as per norms.</p> <p>Action taken: Controller of Examinations, Agriculture University, Jodhpur</p>																																								
AUJ/AC-22/2023/09	<p>To consider and approve 8 seats (4 Normal + 4 Payment) in Masters' degree programme in each discipline in place of existing seats from the Academic session 2024-25 in the College of Agriculture, Jodhpur.</p> <p>Resolution: With the in-depth discussion and in-context of New Education Policy (NEP) 2020, there has to increase the intake of student in the University. Therefore, total intake of 10 students with 6 Normal + 4 Payment seats in each discipline of M.Sc. (Agri.)/(Hort.) degree programme in place of existing six/ eight seats at COA, Jodhpur approved from the Academic session 2024-25 as per below:</p> <table border="1" data-bbox="523 1093 1401 1473"> <thead> <tr> <th data-bbox="523 1093 628 1167">S. No.</th> <th data-bbox="628 1093 1086 1167">Discipline/ Department of</th> <th colspan="2" data-bbox="1086 1093 1401 1167">Intake seats</th> </tr> <tr> <td></td> <td></td> <th data-bbox="1086 1167 1230 1205">Normal</th> <th data-bbox="1230 1167 1401 1205">Payment</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Agronomy</td> <td>6</td> <td>4</td> </tr> <tr> <td>2.</td> <td>Genetics and Plant Breeding</td> <td>6</td> <td>4</td> </tr> <tr> <td>3.</td> <td>Horticulture (Vegetable Science)</td> <td>6</td> <td>4</td> </tr> <tr> <td>4.</td> <td>Plant Pathology</td> <td>6</td> <td>4</td> </tr> <tr> <td>5.</td> <td>Entomology</td> <td>6</td> <td>4</td> </tr> <tr> <td>6.</td> <td>Extension Education</td> <td>6</td> <td>4</td> </tr> <tr> <td>7.</td> <td>Soil Science</td> <td>6</td> <td>4</td> </tr> <tr> <td>8.</td> <td>Organic Farming</td> <td>6</td> <td>4</td> </tr> </tbody> </table> <p>Action taken: Registrar, Agriculture University, Jodhpur</p>	S. No.	Discipline/ Department of	Intake seats				Normal	Payment	1.	Agronomy	6	4	2.	Genetics and Plant Breeding	6	4	3.	Horticulture (Vegetable Science)	6	4	4.	Plant Pathology	6	4	5.	Entomology	6	4	6.	Extension Education	6	4	7.	Soil Science	6	4	8.	Organic Farming	6	4
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AUJ/AC-22/2023/10	<p>To consider and approve one seat for each Ph.D. programme (in addition to earlier approved seats) may be for in-service candidate, if available at College of Agriculture, Jodhpur.</p> <p>Resolution: House unanimously approved one seat in each Ph.D. programme (in addition to earlier approved seats) for in-service candidate, if such candidate available. The admission to candidate will be on the basis of JET/PrePG/Ph.D. Entrance Test merit and will be started from the academic session 2024-25. In this the preference will be given first to the employee of AU Jodhpur followed by SAUs of Rajasthan states and ICAR Institutes and other organizations which is having MOU with the university. The fee will be at par with the payment seat.</p> <p>Action taken: Registrar, Agriculture University, Jodhpur</p>																																								

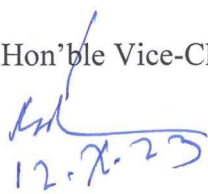
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Agenda Item No.	Agenda
AUJ/AC-22/2023/11	<p>To consider and approve the code of uniform for the students (Girls & Boys) of all the constituent Colleges of the University.</p> <p>Resolution: House unanimously approved a uniform dress code for UG and PG programme of the University as shown i.e. “light blue shirt/ Kurta and dark blue pent/ Salwar” in the house, from the Academic session 2023-24.</p> <p>Action taken: Registrar, Agriculture University, Jodhpur</p>
AUJ/AC-22/2023/12	<p>To consider and approve the accreditation of outside faculty for teaching/ guiding of PG and Ph.D. programme of the University.</p> <p>Resolution: House unanimously approved the given below faculty for teaching/ guiding of PG and Ph.D. programme of the University and they may also be approved as chairperson of the advisory committee of the student and the same will also be applicable for the faculty of other SAUs/ ICAR Institute having MOU with the University.</p> <ol style="list-style-type: none"> 1. Dr. J.P. Mishra, Director, ICAR-ATARI, Jodhpur 2. Dr. Raj Narayan, Principal Scientist (Hort.-Vegetable Sci.), ICAR-ATARI, Jodhpur. 3. Dr. M.S. Meena, Principal Scientist (Extension Education), ICAR-ATARI, Jodhpur. 4. Dr. Babu Lal Jangid, Principal Scientist (Extension Education), ICAR-ATARI, Jodhpur. 5. Dr. Kartar Singh, Scientist (Plant Pathology), NBPGR, Regional Station, Jodhpur. <p>Submitted by: Director Education, Agriculture University, Jodhpur</p>

Meeting ended with the vote of thanks to the Chair and members.


 (Sita Ram Kumhar)
Secretary and Director Education

Submitted to the Hon'ble Vice-Chancellor for kind approval.


 12.7.23
 Registrar / Dir. Edu
Vice Chancellor
Agriculture University
Jodhpur

**MINUTES OF 5th BOARD OF STUDIES MEETING OF
AGRICULTURE UNIVERSITY, JODHPUR HELD ON 08.08.2023**



The meeting of 5th Board of Studies of Agriculture University, Jodhpur was held on 08.08.2023 at 3.00 PM in the Meeting Hall of College of Agriculture, Jodhpur under the Chairmanship of Dr. Sita Ram Kumhar, Dean and Faculty Chairman (Agri.), AU, Jodhpur.

The following members were present through offline/online in this meeting:

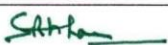
S. No.	Name and Designation	As
1.	Dr. Sita Ram Kumhar, Dean & Faculty Chairman & Head, Deptt. of Genetics and Plant Breeding, AU, Jodhpur	Chairperson
2.	Dr. V.S. Jaitawat, Director Students Welfare, AU, Jodhpur	Member
3.	Dr. Ummed Singh, Dean, College of Agriculture, Baytu, Barmer (attended in on-line mode)	Member
4.	Dr. R.L. Bhardwaj, Dean, College of Agriculture, Sumerpur and Head, Deptt. of Horticulture, AU, Jodhpur	Member
5.	Dr. Sewa Ram Kumawat, Dean, COA, Nagaur and Head, Deptt. of Extension Education, AU, Jodhpur	Member
6.	Dr. Ramdev Sutaliya, Head, Deptt. of Agronomy, AU, Jodhpur	Member
7.	Dr. J.R. Verma, Director, HRD and Head, Deptt. of Plant Pathology, AU, Jodhpur	Member
8.	Dr. U.N. Shukla, Head, Deptt. of Soil Science, AU, Jodhpur	Member
	Co-opted members	
9.	Dr. S.R. Maloo, Ex-Director Research and Prof. (Rtd.) and, RCA, MPUAT, Udaipur (attended in on-line mode)	Member
10.	Dr. R. Swaminathan, Ex-Dean and Prof. (Rtd.), RCA, MPUAT, Udaipur	Member
	Nominated members by Hon'ble Vice-Chancellor	
11.	Dr. Ishwar Singh, Director Extension Education, AU, Jodhpur	Member
12.	Dr. M.M. Kumawat, Prof. (Entomology), COA, Jodhpur	Member
13.	Dr. M.L. Mehriya, ZDR and Assoc. Prof. (Agronomy), ARS, Mandor	Member
14.	Dr. Man Mohan Sundria, COE and Head, Deptt. of Entomology, AU, Jodhpur	Member Secretary

At the outset, Dr. Sita Ram Kumhar, Dean and Faculty Chairman, welcomed Deans, Directors, all HOD's and all the nominated external members in the meeting of Board of Studies. After this the Chairman raised the agenda items one by one and each agenda item was thoroughly discussed and resolution made are as under:

Agenda No.	Particular
AUJ/BOS-5/2023/01	Confirmation of the proceeding of the 4 th Board of Studies Meeting held on 01.02.2022. Resolution: Confirmed.
AUJ/BOS-5/2022/02	To consider and approve the proceeding of the Course Committee meeting of Department of Soil Science along with semester-wise distribution of courses,

Agenda No.	Particular
	<p>examination pattern and Syllabi of M.Sc. (Agri.) Soil Science.</p> <p>Resolution: As per BSMA recommendations of ICAR following points were considered and approved for M.Sc. (Agri.) Soil Science:</p> <ol style="list-style-type: none"> 1. Semester-wise distribution of courses, examination pattern and course curriculum as submitted. 2. Adoption of Credit hours requirements for the award of Degree Programme in M.Sc. (Agri.) Soil Science. 3. In the course programme: (a) addition of “qualitative analysis for irrigation water quality” in the Unit-V of SOIL-513 (Analytical Technique and Instrumental Methods in Soil and Plant Analysis) and (b) addition of “microbial transformation of zinc in soil” in the Unit-III of SOIL-523 (Soil Biology and Biochemistry) approved. <p>Action: Director Education, AU, Jodhpur</p>
<p>AUJ/BOS-5/2022/03</p>	<p>To consider and approve the proceeding of the Course Committee meeting of Department of Agronomy along with semester-wise distribution of courses, examination pattern and Syllabi of M.Sc. (Agri.) Organic Farming.</p> <p>Resolution: According to BSMA recommendations of ICAR following points were considered and approved for M.Sc. (Agri.) Organic Farming:</p> <ol style="list-style-type: none"> 1. Semester-wise distribution of courses, examination pattern and course curriculum as submitted. 2. Adoption of Credit hours requirement for the award of Degree Programme in M.Sc. (Agri.) Organic Farming. <p>Action: Director Education, AU, Jodhpur</p>
<p>AUJ/BOS-5/2022/04</p>	<p>To consider and approve the minutes of the Course Committee meeting of Department of Plant Pathology with the addition of local crops disease in the Course PPATH-312 & 321.</p> <p>Resolution: In the UG programme of Plant Pathology the following points were considered and approved:</p> <ol style="list-style-type: none"> 1. In the theory and practical part of course entitled PPATH-312 (Diseases of Field and Horticultural Crops & their Management-I) Credit 3(2+1) addition of “Alternaria Blight of Sesame and Root-rot of Cluster bean”. 2. In the theory and practical part of course PPATH-321 (Diseases of Field and Horticultural Crops & their Management-II) Credit 3(2+1) addition of “Powdery Mildew of Mustard and Anthracnose of Mango”. <p>Action: Faculty Chairman (Agri.), AU, Jodhpur</p>
<p>AUJ/BOS-5/2022/05</p> 	<p>To consider and approve the proceeding of the Course Committee meeting of Department of Genetics and Plant Breeding along with minor changes in UG courses and course GPB- 531 offered as a core course in M.Sc. (Agri.) GPB.</p> <p>Resolution: In the UG and PG programmes of Genetics and Plant Breeding the following points were considered and approved:</p> <ol style="list-style-type: none"> 1. In the UG courses: (a) GPB-211 (Fundamentals of Plant Breeding) at point number 26 of theory lecture schedule, delete the words "abiotic stresses", (b) GPB-313 (Micro propagation Technologies) add "Synthetic Seed" after 

Agenda No.	Particular
<p>AUJ/BOS-5/2022/06</p>	<p>somatic embryogenesis, (c) GPB-311 (Crop Improvement-<i>Kharif</i> Crops) replace the word "Bajra" with "Pearl millet", (d) GPB-321 (Crop Improvement-Rabi Crops) add crop "Isabgol" in theory syllabus by replacing "cash crop (sugarcane)"; in practical syllabus replaces crop "Sugarcane" by "Isabgol" and add crop "Cumin" in the theory and practical syllabus after "potato", replace the crop "Pigeon pea" with "Cumin" in lecture schedule in point numbers 6 and 4 of theory and practical, respectively, (e) GPB-311 (Crop Improvement-<i>kharif</i> crop)", Tomato as <i>kharif</i> crop, should be moved from the course after brinjal in practical syllabus.</p> <p>2. In the syllabus of the PG course GPB-511 (Principles of Genetics) add "Reverse genetic approaches (TILLING, TALENs, ZFNs & CRISPR) in crop Improvement in Unit-III".</p> <p>3. In the syllabus of the PG course GPB-512 (Principles of Plant Breeding) add "Speed Breeding/ Shuttle breeding & Reverse Breeding in Unit-IV".</p> <p>4. In the syllabus of the PG course GPB-528 (Breeding for stress resistance and climate change) add "R" gene(s) and its classification in Unit-II".</p> <p>5. Approve inclusion of course GPB-531 (Molecular Breeding and Bio-informatics) 3(2+1) in the M.Sc. (Agri.) GPB programme as core course.</p> <p>Action: Faculty Chairman (Agri.)/ Director Education, AU, Jodhpur</p> <p>To consider and approve the minutes of the Course Committee meeting of Department of Extension Education along with new updates in UG & PG courses and change the credit hours of course EXT-111 2(2+0) to EXT-111 2(1+1) by adding the practical exercise.</p> <p>Resolution: In the UG and PG programme of Extension Education the following points were considered and approved:</p> <p>1. In the UG course: (a) EXT-111 (Rural Sociology and Educational Psychology) were approved from credit hours 2(2+0) to credit hours 2(1+1) as per suggestions and added practical exercise and in theory Topic-10 Behaviour: Cognitive, affective, psychomotor domain approved to be deleted and topic: social Process and social control should be included, (b) EXT-121 (Fundamentals of Agricultural Extension Education) add programmes (students READY, ARYA, NICRA, FFP, MSME-Micro, small & medium enterprises) and from practical exercise No.2 (Group discussion- exercise), exercise No.7 (Presentation skills exercise; micro teaching exercise) approved to be deleted. From practical exercise No.4 (Handling of digital camera) approved to be deleted. Practical exercise No.9 Study organization and functioning of DRDA and other development departments at district level approved to be replaced by study organization and functioning of ATMA. Practical exercise No. 12 (Exposure to mass media: visit to community radio and television studio for understanding the process of programme production) and Exercise No. 13 (Script writing, writing for print and electronic media, developing script for radio and television) approved to be deleted because it is a similar exercise in course EXT-221, (c) EXT-221 (Communication Skills and Personality Development) the topic 3- Structural and functional grammar approved to be deleted because it is similar course ENG-111 in first semester. It can be replaced by addition of Artificial intelligence and personality development lecture in theory (d) EXT 311 (Entrepreneurship Development and Business Communication) add the topic: Value chain management in place of Topic-9: Problem solving skills because it is repeated</p>


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	<p>topic in this course.</p> <p>2. In M.Sc. (Agri.) the course (a) EXT-512 (Capacity Development) delete Unit II, Evaluation in Block-4, because there is a separate course EXT-523 (Evaluation and Impact Assessment) in next semester, (b) replace Unit-3, Impact assessment by Participatory methods for technology development & transfer, and delete Unit-2.</p> <p>3. Approved course EXT-531 (Organizational Behaviour and Development) Credit 3(2+1) as core course.</p> <p>Action: Faculty Chairman (Agri.)/ Director Education, AU, Jodhpur</p>																	
<p>AUJ/BOS-5/2022/07</p>	<p>To consider and approve the minutes of the Course Committee meeting of Department of Horticulture with the addition of local fruit & vegetable crops in the Course HORT-222 & 321.</p> <p>Resolution: In the UG and PG programme, M.Sc. (Hort.) Vegetable Science the following points were considered and approved:</p> <ol style="list-style-type: none"> In theory part of UG course HORT-222 (Production Technology for Fruit and Plantation Crops): 2(1+1) addition of minor fruit "<i>Pilu (Salvadora persica)</i> and Fig (<i>Ficus carica</i>)". In theory part of UG course HORT-321 (Post-harvest Management and Value addition of Fruits and Vegetables): 2(1+1) addition of "Marketing strategy for value added products". Approved "VSC-521 (Production of Cool Season Vegetable Crops) Credit 3(2+1) as core course (as per BSMA). <p>Action: Faculty Chairman (Agri.)/ Director Education, AU, Jodhpur</p>																	
<p>AUJ/BOS-5/2022/08</p>	<p>To consider and approve the proceeding of the Course Committee meeting of Department of Entomology along with minor updates in the Course ENTO-531 & 622 and examination pattern for the course with credit (1+2).</p> <p>Resolution: In the PG and Ph.D. programme of Entomology following points were considered and approved except point No. 3 (examination pattern for course having (1+2) credit hours):</p> <ol style="list-style-type: none"> In M.Sc. programme, a correction made in the title of the course ENTO-531 (Biological Control of Insect Pests and Weeds) and a correction in the title of the Ph.D. Course ENTO-622 (Insecticide Toxicology and Residues). An additional course can be offered by the Department only when at least three students have registered for the particular course and it will be common all PG (Masters') programmes in all the Departments of AU Jodhpur. The committee suggested to frame the examination pattern for course having 3(1+2) credit hours as follows and it was not approved. <table border="1" data-bbox="496 1563 1385 1778"> <thead> <tr> <th rowspan="2">Particulars</th> <th rowspan="2">Quiz/ Assignment</th> <th rowspan="2">Mid Term</th> <th colspan="2">Final Examination</th> </tr> <tr> <th>Theory</th> <th>Practical</th> </tr> </thead> <tbody> <tr> <td>Courses comprise with Theory & Practical as 3 (2+1) Credit Hours</td> <td>5</td> <td>15</td> <td>50</td> <td>30</td> </tr> <tr> <td>Courses comprise with Theory & Practical as 3(1+2) Credit Hours</td> <td>5</td> <td>15</td> <td>30</td> <td>50</td> </tr> </tbody> </table> <p>Action: Faculty Chairman (Agri.)/ Director Education, AU, Jodhpur</p>	Particulars	Quiz/ Assignment	Mid Term	Final Examination		Theory	Practical	Courses comprise with Theory & Practical as 3 (2+1) Credit Hours	5	15	50	30	Courses comprise with Theory & Practical as 3(1+2) Credit Hours	5	15	30	50
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Signature

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<p>AUJ/BOS-5/2023/09</p>	<p>To consider and approve the minutes of the Course Committee meeting of other Department/minor Departments meeting along with minor updates in the Course of UG, PG and Ph.D.</p> <p>Resolution: In the UG, PG programme of other Department/ minor Departments the following points were considered and approved:</p> <p>I. In the syllabus of UG course, MATHS-111 (Elementary Mathematics) 2(2+0): The following points considered and approve:</p> <p>Topics approved for Deletions:</p> <ol style="list-style-type: none"> 1. In Unit-1 (Straight lines), Topic: Angle of bisectors between two lines. 2. In Unit-2 (Circle), Topics: Equation of circle passing through three given points, Tangent and Normal to a given circle at given point (Simple problems), Condition of tangency of a line $y = mx + c$ to the given circle $x^2 + y^2 = a^2$. 3. In Unit-3 (Differential Calculus), Topic: Differentiation of $x^n, e^x, \sin x$ & $\cos x$ from first principle, Differentiation of Inverse Trigonometric functions. <p>Topics approved for Additions</p> <ol style="list-style-type: none"> 1. In Unit-1 (Straight lines) at last before "Area of triangle and quadrilateral" Topic: Basic units of measurements: CGS, MKS and common SI units. 2. In Unit-2 (Circle) At the beginning of the unit-II, Topic: Basic introduction of Trigonometry. <p>II. In the syllabus of UG course PPHY-121 (Fundamentals of Plant Physiology) 2(1+1) following changes in course content approved for revision:</p> <ol style="list-style-type: none"> i. Introduction to crop physiology and its importance in Agriculture. ii. Plant cell: organelles-structure and their functions. iii. Water status of plant: Water potential and its component, Diffusion and osmosis, its types, and significance in plant physiology. iv. Absorption of water: active and passive absorption and their mechanism, transpiration and its significance, Stomata Physiology. v. Mineral nutrition of plants: Functions and deficiency symptoms of nutrients, nutrient uptake mechanisms. vi. Photosynthesis: photosynthesis pigments, PAR, Hill reaction, emersion enhancement effect, red drop effect and effect of environmental factors on photosynthesis. vii. Dark reactions: characteristics features and pathway of C_3, C_4 and CAM plants, photorespiration and its significance. viii. Respiration: RQ, its significance and glycolysis. ix. TCA cycle and electron transport chain. Fat Metabolism: Fatty acid synthesis and Breakdown x. Physiology of flowering: photoperiodism and vernalization, xi. Plant growth regulators: discovery, biosynthesis, bioassay and agricultural use of auxin, gibberelin, cytokinin, ABA and ethylene. xii. Physiological aspects of growth and development of major crops. xiii. Growth analysis: NAR, LAI, CGR, HI and growth curve. <p>In the syllabus of PG course PP-511 (Principles of Plant Physiology) I - Plant water Relations and mineral nutrition 3(2+1) approved deletion of Unit I- Soil physical properties and water availability in different soils; Water holding capacity and approaches to improve WHC; Concept of FC and PWP; Water holding polymers and their relevance.</p>

Agenda No.	Particular
	<p>In the syllabus of PG course PP-531 (Physiology of field crops) 2(2+0): approved addition of Millets: pearl millet, Oilseed: Caster and Sesame.</p> <p>In the syllabus of PG course PP-532 (Physiology of Horticultural crops) 2(2+0)- approved addition of Fruit crops: Pomegranate, Guava and Ber.</p> <p>III. In the UG course AGECON-121 (Fundamentals of Agricultural Economics) (2+0), approved deletion of "Distribution theory" and addition of "Budget survey of Rajasthan".</p> <p>IV. In the UG course BIOCHEM-111 (Fundamentals of Plant Biochemistry and Biotechnology) 3(2+1) approved replacing "monosaccharide" with "sugars" and Deletion: In practical section TLC demonstration for separation of Amino acids/ monosaccharide and Addition: The word monosaccharides should be replaced by sugars.</p> <p>V. In the UG course AGENGG-121 (Soil and Water Conservation Engineering) 2(1+1) approved Deletion of Design word in theory and practical section.</p> <p>VI. In the UG course BIO-111 (Introductory Biology) 2(1+1) approved Addition of Inflorescence, Anatomy of root, stem and leaf and deletion of Seed and seed germination.</p> <p>VII. In the UG course STAT-211 (Statistical Methods) 2(1+1) approved deletion of "Measures of dispersion of Group data" in theory and practical section.</p> <p>Action: Faculty Chairman (Agri.), AU, Jodhpur</p>

The meeting was ended with vote of thanks to the chair and all the members of the committee.


(Sita Ram Kumhar)
 Faculty Chairman (Agri.)
 Faculty Chairman
Agriculture University
 Jodhpur (Raj.)


(Man Mohan Sundria)
 Member Secretary

**MINUTES OF 1st BOARD OF STUDIES MEETING
FACULTY OF AGRICULTURE ENGINEERING, JODHPUR
(AGRICULTURE UNIVERSITY, JODHPUR)**

The meeting of 1st Board of Studies of Faculty of Agriculture Engineering, Jodhpur (Agriculture University, Jodhpur) was held on 10.10.2023 at 02:00 PM in the Conference Hall of College of Agriculture, Jodhpur in the Chairmanship of Dr. Man Mohan Sundria, Faculty Chairman, Faculty of Agriculture Engineering, Agriculture University, Jodhpur.

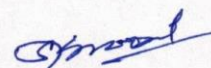
The following members were present in the meeting in offline/online mode:

S. No.	Name and Designation	Status	Mode Online/Offline
1.	Dr. Man Mohan Sundria, Faculty Chairman FAE, AU, Jodhpur	Ex-officio Chairperson	Offline
2.	Dr. S.R. Kumhar, Director of Education, AU, Jodhpur	Ex-officio Member	Offline
3.	Dr. V.S. Jaitawat, Director Student's Welfare, AU, Jodhpur	Ex-officio Member	Offline
4.	Dr. U.N. Shukla, Controller of Examinations, AU, Jodhpur	Ex-officio Member	Offline
5.	Dr. Digamber Singh, Asstt. Prof. (ME), CTAE, Jodhpur	Nominated Member	Offline
6.	Dr. Ashish Pawar, Asstt. Prof. (REE), CTAE, Jodhpur	Nominated Member	Online
7.	Dr. D.C. Joshi, Former Vice Chancellor, AU, Kota & Retd. Prof. (Ag. Engg. & Food Technology)	Nominated Member	Online
8.	Dr. S.R. Bhakar, Retd. Prof. (SWCE), CTAE, MPUAT, Udaipur	Nominated Member	Online
9.	Dr. S.K. Moond, OSD, CTAE, Jodhpur	Member Secretary	Offline

At the outset Dr. Man Mohan Sundria, Faculty Chairman, FAE, AU, Jodhpur welcomed all the members of the Board of Studies of Faculty of Agriculture Engineering. Thereafter, the Chairman raised the agenda items one by one and each agenda item was thoroughly discussed and resolutions made are as under:

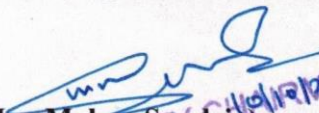
Agenda Item No.	Agenda
AUJ/FAE-BOS-01/2023/01	<p>To consider and approve the nomenclature of the degree of B. Tech. (Agriculture Engineering)</p> <p>Resolution: As per the 5th Deans Committee recommendations of ICAR the following degree nomenclature was considered and approved: 1. B. Tech. (Agriculture Engineering) as Bachelor of Technology (Agriculture Engineering)</p> <p>Action: Faculty Chairman (FAE), AU, Jodhpur</p>
AUJ/FAE-BOS-01/2023/02	<p>To consider and approve the Proceedings of the Courses Committee meeting of FAE, AU, Jodhpur for B. Tech. (Agriculture Engineering) courses as per 5th Deans Committee along with semester-wise distribution of courses, examination pattern and Syllabi.</p>



FACULTY CHAIRMAN
Agriculture Engineering
AU, JODHPUR



Agenda Item No.	Agenda
	<p>Resolution: As per 5th Deans Committee of ICAR recommendations the draft of B. Tech. (Agriculture Engineering) courses with semester-wise distribution of courses, examination pattern and Syllabi as reviewed by the Courses Committee of CTAE (FAE), AU, Jodhpur was considered and Approved.</p> <p>Action: Faculty Chairman, FAE, AU, Jodhpur</p>
<p>AUJ/FAE-BOS-01/2023/03</p>	<p>To consider and approve the permission for B.Tech. (Agriculture Engineering) Pt.-III students of Academic Session 2023-24 to offer NSS non-credit course, as one time case only.</p> <p>Resolution: The NSS unit for College of Technology and Agriculture Engineering, Jodhpur (FAE, AU, Jodhpur) was sanctioned vide letter क्रमांक प. 3(2) शिक्षा/43 /2016 dated 08/08/2022, due to which the students of B.Tech. (Ag. Engg.) Part-III of the Academic Session 2023-24, undertaken the NSS social service activities as Volunteers during the B.Tech. (Ag. Engg.) Part-II only, but as per the approved B.Tech. (Ag. Engg.) Course Programme, the NSS activities are undertaken during First year and Second year of study. Therefore, the required 240 hours social service as a Volunteer of NSS for two years for awarding the NSS Certificate to the students of B.Tech. (Ag. Engg.) Part-III of the Academic Session 2023-24 of CTAE, Jodhpur; the agenda is considered and approved to offer NSS non-credit course to B.Tech. (Ag. Engg.) Part-III students, as one time case only.</p> <p>Action: Faculty Chairman, FAE, AU, Jodhpur</p>

The meeting was ended with vote of thanks to the Chair and members of the committee.


(Man Mohan Sundria)
 Faculty Chairman, Faculty of Agriculture Engineering
 AU, JODHPUR


(SK Moond)
 Member Secretary

**MINUTES OF 1st BOARD OF STUDIES MEETING OF
FACULTY OF DAIRY TECHNOLOGY, JODHPUR
AGRICULTURE UNIVERSITY, JODHPUR HELD ON 10.10.2023**

The meeting of 1st Board of Studies of Faculty of Dairy Technology, Jodhpur- Agriculture University, Jodhpur was held on 10.10.2023 at 04:00 PM in the Conference Hall of College of Agriculture, Jodhpur (offline/online mode) under the Chairmanship of Dr. Man Mohan Sundria, Faculty Chairman (FDT), AU, Jodhpur.

The following members were present through offline/online mode in this meeting:

Name of Member	As	Mode Online / Offline
1. Dr. Man Mohan Sundria, Faculty Chairman (Dairy Technology), Agriculture University, Jodhpur	Ex-officio Chairperson	Offline
2. Dr. S. R. Kumhar, Director Education, Agriculture University, Jodhpur	Ex-officio Member	Offline
3. Dr. V S Jaitawat, Director Students Welfare, Agriculture University, Jodhpur	Ex-officio Member	Offline
4. Dr. U N Shukla, Controller of Examinations, Agriculture University, Jodhpur	Ex-officio Member	Offline
5. Dr. Rekha Rani, Assistant Professor (Dairy Chemistry) CDFT, Jodhpur	Nominated Member	Offline
6. Dr. Ankur Tripathi, Assistant Professor (Plant Biochemistry) CDFT, Jodhpur	Nominated Member	Offline
7. Dr. S. K. Kanawjia, former Principal Scientist & Ex-Emeritus Scientist, ICAR-NDRI, Karnal, Haryana	Nominated Member	Online
8. Dr. J. P. Prajapati, Retd. Prof. (Dairy Technology), AAU, Anand, Gujrat	Nominated Member	Offline
9. Dr. Banwari Lal, OSD, CDFT, Jodhpur	Member Secretary	Offline


At the outset, Dr. Man Mohan Sundria, Faculty Chairman, welcomed all nominated and external members of Board of Studies. After that, the Chairman raised the agenda items one by one and each agenda item was thoroughly discussed and resolutions made are as under:

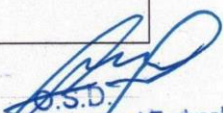
Agenda Item No.	Agenda
AUJ/BOS-FDT/ 01/2023/01	<p>To consider and approve the nomenclature of degree</p> <ol style="list-style-type: none"> B. Tech (Dairy Technology) B. Tech (Food Technology) Master of Business Administration (Agri-Business Management) <p>Resolution: As per the 5th Deans committee recommendation following points were considered and approved:</p> <ol style="list-style-type: none"> The nomenclature of B. Tech (Dairy Technology) as Bachelor of Technology (Dairy Technology) The nomenclature of B. Tech (Food Technology) as Bachelor of Technology (Food Technology) Master of Business Administration (Agri-Business Management) <p>Action: Faculty Chairman (FDT), AU, Jodhpur</p>

Man Mohan Sundria
FACULTY CHAIRMAN
Food & Dairy Technology
AU, JODHPUR
10/10/2023

Man Mohan Sundria
College of Dairy and Food Technology
(Agriculture University, Jodhpur)
Jodhpur - 342304


Agenda Item No.	Agenda
AUJ/BOS-FDT/ 01/2023/02	<p>To consider and approve the Proceedings of the course committee meeting of FDT, AU, Jodhpur for B. Tech (Dairy Technology) courses as per 5th Deans Committee along with semester-wise distribution of courses, examination pattern and Syllabi.</p> <p>Resolution: As per 5th Dean's Committee recommendation the draft of B. Tech (Dairy Technology) courses with semester-wise distribution of courses, examination pattern and syllabi of the course committee meeting of FDT, AU, Jodhpur for B. Tech (Dairy Technology) courses was considered and Approved Action: Faculty Chairman (FDT), AU, Jodhpur</p>
AUJ/BOS-FDT/ 01/2023/03	<p>To consider and approve the Proceedings of the course committee meeting of FDT, AU, Jodhpur for Master of Business Administration (Agri-Business Management) courses as per ICAR-BSMA along with semester-wise distribution of courses, examination pattern and Syllabi.</p> <p>Resolution: The proceedings of the course committee meeting and Draft of syllabus of FDT, AU, Jodhpur for Master of Business Administration (Agri-Business Management) courses as per ICAR- BSMA along with semester-wise distribution of courses, examination pattern and Syllabi was considered and approved. Action: Director Education, AU, Jodhpur</p>
AUJ/BOS-FDT/ 01/2023/04	<p>To consider and approve the draft of information bulletin and syllabus of Master of Business Administration (Agri-Business Management)</p> <p>Resolution: the following point were suggested for further action; 1. A committee to finalized the draft of information bulletin and syllabus of Master of Business Administration (Agri-Business Management) is needed to be constituted 2. The draft resubmitted after the review of the committee Action: Faculty Chairman (FDT), AU, Jodhpur</p>
AUJ/BOS-FDT/ 01/2023/05	<p>To consider and approve the procedure of allotment of registration numbers to Master of Business Administration (Agri-Business Management) students</p> <p>Resolution: The agenda of allotment of registration numbers to Master of Business Administration (Agri-Business Management) students is not considered and dropped.</p>
AUJ/BOS-FDT/ 01/2023/06	<p>To consider and approve the draft of B. Tech (Food Technology) syllabus along with rules and regulations</p> <p>Resolution: The Draft of B. Tech (Food Technology) syllabus along with rules and regulations was not considered and dropped. It was suggested that one committee need to be constituted and the draft to be resubmitted. Action: Faculty Chairman (FDT), AU, Jodhpur</p>

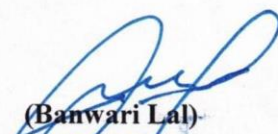

FACULTY CHAIRMAN
Food & Dairy Technology
AU, JODHPUR


S.D.
College of Dairy and Food Technology
(Agriculture University, Jodhpur)
Jodhpur - 342304

Agenda Item No.	Agenda
AUJ/BOS-FDT/ 01/2023/07	<p>To consider and approve the Proceedings of departmental Course committee meeting of FDT, AU, Jodhpur for B. Tech (Food Technology) as per 5th Dean's Committee along with semester-wise distribution of courses, examination pattern and syllabi.</p> <p>Resolution: The proceedings of departmental Course committee meeting of FDT, AU, Jodhpur for B. Tech (Food Technology) as per 5th Dean's Committee along with semester-wise distribution of courses, examination pattern and syllabi were considered and the approved as below:</p> <ol style="list-style-type: none"> 1. Semester-wise distribution of courses, examination pattern and Syllabi are considered and approved. 2. Modification in title of course i.e., (FE-123) Electrical Engineering 3(2+1) in place of (FE-123) Electronics Engineering 3(2+1) 3. Change in course code of FE-411 (Student Ready Educational Trip) 2(0+2) to FT-414 (Student Ready Educational Trip) 2 (0+2) 4. Change in course code of FE-421 (Student Ready Seminar) 1 (0+1) to FT-421 (Student Ready Seminar) 1(0+1) 5. Change in course code of FT-421 (Student Ready Internship/In Plant Training) 20(0+20) to FT-422 (Student Ready Internship/In Plant Training) 20(0+20) <p>Action: Director Education, AU, Jodhpur</p>

The meeting was ended with vote of thanks to the chair and all the members of the committee.


 (Man Mohan Sundria)
 Faculty Chairman Dairy Technology
 Food & Dairy Technology
 AU, JODHPUR


 (Banwari Lal)
 Member Secretary
 College of Dairy and Food Technology
 (Agriculture University, Jodhpur)
 Jodhpur - 342304