

Faculty of Agricultural Sciences & Allied Industries

Rama University, Uttar Pradesh, Kanpur

(Vide U.P. Act No. 1 of 2014 as passed by State Legislature and recognized by UGC U/s 2 (f))

F.N.Agri./Dean/2025/ 717-1

Dated: 15/7/2025

NOTICE

This is to inform all concerned that Faculty of Agricultural Sciences & Allied Industries will be conducting a “**Board of Studies (BOS)**” meeting on **18th July 2025**.

All Board of Studies (BOS) members are requested to kindly make it convenient to attend.

(Dr. Aneeta Yadav)

Dean

Faculty of Agricultural Sciences
& Allied Industries
Rama University, Mandhana, Kanpur (U.P.)



Rama University Uttar Pradesh, Kanpur

Ref: RU/FASAI/BOS/2025/





Dated: 18/7/2025

Faculty of Agricultural Sciences & Allied Industries






Minutes of Meeting

Boards of Studies

A meeting of Boards of Studies for B.Sc. (Agriculture), M.Sc. Agriculture (Genetics and Plant Breeding/Agronomy/Horticulture (Fruit Science & Vegetable Science) /Soil Science/Plant Pathology/Agriculture Extension/ Agricultural Economics) and Ph. D. in specialized fields of Agriculture held on 18th July 2025 at 11:00 AM in Dean Office. The following members were present:

- | | | |
|---------------------------|---------------|--|
| 1. Dr. Aneeta Yadav | - Chairperson |  |
| 2. Dr. Vinay Joseph Silas | - Member |  |
| 3. Dr. Kartikay Bisen | - Member |  |
| 4. Dr. Ravi Kesh Pal | - Member |  |
| 5. Dr. Raghvendra Singh | - Member |  |
| 6. Dr. Anuj Tiwari | - Member |  |
| 7. Dr. Ashish Srivastava | - Member |  |

The following members agreed to review the minutes.

- | | | |
|---------------------------|-------------------|---|
| 1. Dr. D. D. Yadav | - External Member |  |
| 2. Dr. U. K. Tripathi | - External Member |  |
| 3. Dr. Anand Singh | - External Member |  |
| 4. Dr. A. K. Singh | - External Member |  |
| 5. Dr. Debjyoti Sen Gupta | - External Member |  |



6. Dr. A. K. Pal

- External Member

At. R. P.
16/07/2025

7. Dr. Satendra Kumar

- External Member

At. R. P.

8. Dr. O. P. Singh

- External Member

O. P. S. L.

Agenda:

1. Action Taken Report (ATR) on Minutes of Previous Meeting.

The BOS committee confirmed the minutes of the BoS meeting held on 19th September, 2024.

2. Review of the existing programs and their curricula

S. No.	Item No.	Existing	Recommendation /Action Taken
1.	RU/FASAI/BOS/2025/001 To review the persisting syllabus of B. Sc. Ag. & M. Sc. Ag. and to recommend the changes required for the academic session 2024-25. The incorporation of attainment matrix with reference to PO and CO.	ICAR V th Dean's Committee.	The committee recommended to follow the persisting syllabus as per the ICAR V th Dean's Committee. The incorporation of attainment matrix with reference to PO and CO may be introduced as per the need, in the academic session 2025-26 for UG program towards excellence in teaching learning evaluation.
2.	RU/FASAI/BOS/2025/002 Panel of External Examiners	-	Panel of external examiners for semester final exams as well as practical exams is submitted for approval
3.	RU/FASAI/BOS/2025/002 To review the persisting syllabus of M.Sc. Ag & Ph.D. To recommend the change required for the academic session 2025-26.	-	The committee recommended to follow the persisting syllabus



3. Recommendation on New courses/Short term training

S. No.	Item No.	Feedback from Faculty/Student	Recommendation /Action Taken
1	RU/FASAI/BOS/2025/003 To Consider incorporation of JeevanKaushal 2.0, IKS and NEP for the Academic session 2025-26	Based on the need and the relevance of the prescribed syllabus by ICAR	The committee recommended that the syllabus already covers the major aspects of NEP like multidisciplinary courses, continuous assessment, elective subjects as well as skill oriented concerns. In compliance with IKS, the subjects like Agricultural Heritage UGR 111 and other fundamental courses are already exists, hence can be continued for the Academic session 2025-26
2	RU/FASAI/BOS/2025/004 To Consider the syllabus of Ph.D. (Agri. Extension) as a new programme for the Academic session 2025-26	Based on the subject demand and Query by students	The committee recommended the syllabus and programme to be run without any change for Academic session 2025-26 without any change.
3	RU/FASAI/BOS/2025/005 Conduction of career oriented short term courses (30 Hours)	Training/ certificate based short term courses for developing practical skills is suggested	Few short term courses are proposed for enhancing the knowledge and skills of students. Any new trend based course apart from the mentioned titles may also be introduced as per the requirement: <ol style="list-style-type: none">1. "Hands on training on basic Plant tissue culture techniques"2. "Analysis and testing for quality maintenance in seed production"3. "Transforming Farming with DSR"4. Any other



			trending and relevant topics as per the need of time.
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4. Consideration of the curricula of the new programs

S. No.	Item No.	Feedback from Faculty/subject experts/Industries	Recommendation /Action Taken
1	RU/FASAI/BOS/2025/006Exposure visits (Industry and Institutes)	All the courses are already based on entrepreneurship skills, recent trends and practical based applications to enhance the knowledge of students.	Applicability of the courses will be thoroughly discussed along with exposure visits as per need of the subject.

5. Review of Teaching Process/Pedagogy

S. No.	Item No.	Existing	Recommendation /Action Taken
1	RU/FASAI/BOS/2025/007Enrichment in teaching Pedagogy for better understanding	Audio visible aids, Projectors, white board, Peaceful learning environment	Proper interaction with students, involve the students in training & learning program and experimental learning by doing principle must be adopted.

6. Result Analysis: --- Summary of Result Analysis of the students' performance in the previous semester examination was presented and it was suggested that the course instructors should conduct remedial classes for the students whose performance was not found satisfactory and the subjects where results are below standards.

7. Feedback Analysis: --- Analysis was performed based on summary of already collected feedback from students and the course instructors have been instructed for improvement in teaching pedagogy for better understanding of students in the cases where the feedback is below average.



8. Any other issue with the permission of the Chair: ---- No

The meeting concluded with a vote of thanks to the chair. Date of the Next Meeting: to be decided and conveyed later


Dr. Aneceta Yadav
(Chairperson)

Encl.: Recommended Evaluation scheme and Curricula (If modified) attached for consideration and approval.

CC:

1. Dean, Academic Affairs
2. Registrar Office



**RAMA UNIVERSITY,
KANPUR, UTTAR PRADESH**

Faculty of Agricultural Science & Allied industries



SYLLABUS & EVALUATION SCHEME

FOR

Ph.D. AGRICULTURE

(SOIL SCIENCE)

[EFFECTIVE FROM THE SESSION 2025-26]



RAMA UNIVERSITY UTTAR PRADESH, KANPUR
Faculty of Agricultural Sciences and Allied Industries
Program: Ph.D. Agriculture (Soil Science)

Report on Feedback on Curriculum by Stakeholders (2025-2026)

- The syllabus was examined by external experts. It was concluded that the courses and program were applicable.
- The alumni suggested that teachers should use modern methods like modified brain storming and increase the frequency of presentation based learning to enable students to create new ideas to supplement project based learning and enhance communication skills and leadership quality.
- The faculty suggested to evaluate performance of student in research credits as satisfactory (S) and unsatisfactory (US) instead in terms of marks. The students getting US should repeat the credits for which found US.
- The member suggested focusing more on practical skills development in order to increase work chances in the public, private sectors and industries.


BoS Chairman


Dean/Principal



RAMA UNIVERSITY, KANPUR, UTTAR PRADESH

Faculty of Agricultural Sciences and Allied Industries

Program: Ph.D. Agriculture (Soil Science)

Action Taken Report based on Feedback at BoS held on 18.07.2025

- The syllabus is being discussed in the context of its practicality and employability.
- Concerned faculties have been instructed to use modified brain storming and increase the frequency of presentation based learning.
- The concerned BOS has been instructed to evaluate performance of student in research credits as satisfactory (S) and unsatisfactory (US) instead in terms of marks. The students getting US should repeat the credits for which found US.
- The practical application of different courses, such as Advances in Soil Physic, Advances in Soil Fertility, Physical Chemistry of Soil, Soil Resource Management, has already been emphasized.


BoS Chairman


Dean/Principal



Ph. D SOIL SCIENCE
Ist Year

RAMA UNIVERSITY UTTAR PRADESH, KANPUR

A meeting of the Board of Studies of the Ph.D. (Soil Science), Faculty of Agricultural Science & Allied Industries, Rama University, Kanpur, Uttar Pradesh was held on 18/07/2025 at 11:00 AM. The following members were present:

1. Dr. Aneeta Yadav	Convener
2. Dr. Raghvendra Singh	Member
3. Dr. Ravikesh Kumar Pal	Member
4. Dr. Satendra Kumar	External Member

The quorum of the meeting was complete.

Agenda of the meeting:

1. Assessment Criteria
2. Question Paper Format
3. Syllabus

The meeting resolved unanimously that attached Assessment Criteria; Question Paper Format and Syllabus are justified and approved.

✓ The syllabus has not been change in this year of 2025-26 and continues as previous year 2024-25

Convener

Signature:

Name : Dr. Aneeta Yadav

Date : 18/7/25

Internal Members

Signature: 1.....

Name: (Raghvendra Singh)

Date: 18/7/25

2.....

(Ravikesh Kumar Pal)

External Members

Signature 1

Name: (Satendra Kumar)

Date: 18/7/25



**Faculty of Agricultural Science & Allied industries,
Rama University, Uttar Pradesh, Kanpur**
Course Detail and Evolution Scheme
(Effective from the Session 2025-26)
PhD (Ag.) SOIL SCIENCE FIRST YEAR (SEMESTER-I)

S.N.	Subject Code	Subject Name	Period			Evaluation Scheme			Subject Total	Credit Hours
			L	T	P	CE	MTE	ETE		
Theory subjects										
1	PDSS-101	Advances in Soil Physics	3	0	0	20	20	60	100	3
2	PDSS-102	Advances in Soil Fertility	3	0	0	20	20	60	100	3
3	PDSS-103	Physical Chemistry of Soil	3	0	0	20	20	60	100	3
4.	PDSS-104	Soil Resource Management	3	0	0	20	20	60	100	3
5.	PDRM-101	Research Methodology	4	0	0	-	-	-	100	4
6.	PDRP-101	Research and Publication Ethics	2	0	0	-	-	-	100	2
Total			18	0	0	80	80	240	600	18

L-Lecture, T-Tutorial, P- Practical, CE- Continuous Evaluation, MTE-Mid Term Examination, ETE-End Term Examination

Evolution Scheme

• **Course without practical components**

For Continuous Evaluation (CE) is such as: 20 Marks

overall performance 5 Marks

2 Assignments/Quiz / Seminar/Term paper /Project :15Marks

MTE - Mid Term Examination: 20 Marks

a. First Mid Term Examination: 10 marks

b. Second Mid Term Examination: 10 marks

ETE - End Term Examination: 60 Marks

• **Course with practical components only**

For Continuous Evaluation (CE) is such as: 30 Marks

Convener

Signature:

Name : Dr. Anceeta Yadav

Date :

Internal Members

Signature: 1.....

Name: (Raghvendra Singh)

Date:

2.....

(Ravikesh Kumar Pal)

External Members

Signature 1

Name: (Satendra Kumar)



**Faculty of Agricultural Science & Allied industries,
Rama University, Uttar Pradesh, Kanpur**

Course Detail and Evolution Scheme

(Effective from the Session 2025-26)

PhD. (Ag.) SOIL SCIENCE FIRST YEAR (SEMESTER-II)

S.N.	Subject Code	Subject Name	Period			EVALUATION SCHEME			Subject Total	Credit
			L	T	P	CE	MTE	ETE		
Theory subjects										
1	PDSS-201	Soil Genesis and Micropedology	3	0	0	20	20	60	100	3
2	PDSS-202	Biochemistry of Soil Organic Matter	3	0	0	20	20	60	100	3
3	PDSS-203	Land Use Planning and watershed management	3	0	0	20	20	60	100	3
4	PDSS 204	Soil and Water Pollution	3	0	0	20	20	60	100	3
Total			12	0	0	80	80	240	400	12

L-Lecture, T-Tutorial, P- Practical, CE- Continuous Evaluation, MTE-Mid Term Examination, ETE-End Term Examination

• **Course without practical components**

For Continuous Evaluation (CE) is such as: 20 Marks

Overall performance 5 Marks

2 Assignments/Quiz / Seminar/Term paper /Project :15Marks

MTE - Mid Term Examination: 20 Marks

a. First Mid Term Examination: 10 marks

b. Second Mid Term Examination: 10 marks

ETE - End Term Examination: 60 Marks

• **Course with practical components only**

For Continuous Evaluation (CE) is such as: 30 Marks

Convener

Signature:

Name : Dr. Anjeeta Yadav

Date :

Internal Members

Signature: 1.

Name: (Raghvendra Singh)

Date:

2.

(Ravikesh Kumar Pal)

External Members

Signature 1

Name: (Satendra Kumar)



Faculty of Agricultural Science & Allied industries,
Rama University, Uttar Pradesh, Kanpur
 Course Detail and Evolution Scheme
 (Effective from the Session 2025-26)
PhD.(Ag.) SOIL SCIENCE (SEMESTER-III)

S.N.	Subject Code	Subject Name	Period			EVALUATION SCHEME			Subject Total	Credit
			L	T	P	CE	MTE	ETE		
Theory Subjects										
1	PDSS 301	Soil Clays and Clay Mineralogy	3	0	0	20	20	60	100	3
2	PAG 601	Modern Concepts in Agronomy	3	0	0	20	20	60	100	3
3	PAG 604	Principles And Practices Of Organic Farming	2	0	0	20	20	60	100	2
4.	PAG 606	Crop Production and Simulation Modeling	2	0	0	20	20	60	100	2
Practical										
1.	PAG 601 (P)	Modern Concepts in Agronomy	0	0	1	30	20	50	100	1
2.	PAG 604 (P)	Principles And Practices Of Organic Farming	0	0	1	30	20	50	100	1
3.	PAG 606 (P)	Crop Production and Simulation Modeling	0	0	1	30	20	50	100	1
Total			10	0	3	170	140	390	700	13

L-Lecture, T-Tutorial, P- Practical, CE- Continuous Evaluation, MTE-Mid Term Examination, ETE-End Term Examination

• **Course without practical components**

For Continuous Evaluation (CE) is such as: 20 Marks

Overall performance
 2 Assignments/Quiz / Seminar/Term paper /Project :15Marks

MTE - Mid Term Examination: 20 Marks

- First Mid Term Examination: 10 marks
- Second Mid Term Examination: 10 marks

ETE - End Term Examination: 60 Marks

Course with practical components only For Continuous Evaluation (CE) is such as: 30 Marks

Convener

Signature: *[Signature]*

Name : Dr. Aneta Yadav

Date :

Internal Members

Signature: 1. *[Signature]*

Name: (Raghendra Singh)

Date:

External Members

Signature 1 *[Signature]*

Name: (Satendra Kumar)

2. *[Signature]*
 (Ravikesh Kumar Pal)



**Faculty of Agricultural Science & Allied industries,
Rama University, Uttar Pradesh, Kanpur**
Course Detail and Evolution Scheme
(Effective from the Session 2025-26)
PhD. (Ag.) SOIL SCIENCE (SEMESTER-IV)

S.N.	Subject Code	Subject Name	Period			EVALUATION SCHEME			Subject Total	Credit
			L	T	P	CE	MTE	ETE		
Theory Subjects										
1	PDSS- 401	Comprehensive Examination	0	0	0	0	0	200	200	0
Practical/Project										
2	PDSS 400 (P)	Doctoral Seminar I	0	0	1	100	0	0	100	1
3	PDSS-451 (P)	Doctoral Research	0	0	20	0	0	0	0	20
Total			0	0	21	100	0	200	300	21

L-Lecture, T-Tutorial, P- Practical, CE- Continuous Evaluation, MTE-Mid Term Examination, ETE-End Term Examination

Evolution Scheme

• **Course without practical components**

For Continuous Evaluation (CE) is such as: 20 Marks

over all performance 5 Marks

4 Assignments/Quiz / Seminar/Term paper /Project :15Marks

MTE - Mid Term Examination: 20 Marks

a. First Mid Term Examination: 10 marks

b. Second Mid Term Examination: 10 marks

ETE - End Term Examination: 60 Marks

• **Course with practical components only**

For Continuous Evaluation (CE) is such as: 30 Marks

Convener

Signature:

Name : Dr. Aneeta Yadav

Date :

Internal Members

Signature: 1.

Name: (Raghvendra Singh)

Date:

2.

(Ravikesh Kumar Pal)

External Members

Signature: 1

Name: (Satendra Kumar)

Date:



**Faculty of Agricultural Science & Allied industries,
Rama University, Uttar Pradesh, Kanpur**
Course Detail and Evolution Scheme
(Effective from the Session 2025-26)
Ph.D. (Ag.) SOIL SCIENCE (SEMESTER-V)

S.N.	Subject Code	Subject Name	Period			EVALUATION SCHEME			Subject Total	Credit
			L	T	P	CE	MTE	ETE		
Practical/Project										
1	PDSS 400 (P)	Doctoral Seminar II	0	0	1	100	0	0	100	1
2	PDSS 451 (P)	Doctoral Research	0	0	20	0	0	0	0	20
Total			0	0	21	100	0	0	100	21

L-Lecture, T-Tutorial, P- Practical, CE- Continuous Evaluation, MTE-Mid Term Examination, ETE-End Term Examination

Evolution Scheme

• **Course without practical components**

For Continuous Evaluation (CE) is such as: 20 Marks

Overall performance 5 Marks

6 Assignments/Quiz / Seminar/Term paper /Project :15Marks

MTE - Mid Term Examination: 20 Marks

a. First Mid Term Examination: 10 marks

b. Second Mid Term Examination: 10 marks

ETE - End Term Examination: 60 Marks

• **Course with practical components only**

For Continuous Evaluation (CE) is such as: 30 Marks

Convener

Signature:

Name : Dr. Aneeta Yadav

Date :

Internal Members

Signature: 1.....

Name: (Raghvendra Singh)

Date:

2.....

(Ravikesh Kumar Pal)

External Members

Signature:1.....

Name: (Satendra Kumar)

Date:



**Faculty of Agricultural Science & Allied industries,
Rama University, Uttar Pradesh, Kanpur**
Course Detail and Evolution Scheme
(Effective from the Session 2025-26)

PhD. (Ag.) SOIL SCIENCE (SEMESTER-VI)

S.N.	Subject Code	Subject Name	Period			EVALUATION SCHEME			Subject Total	Credit
			L	T	P	CE	MTE	ETE		
Practical/Project										
1	PDSS- 451 (P)	Doctoral Research	0	0	05	0	0	0	0	05
Total			0	0	05	0	0	0	0	05

L-Lecture, T-Tutorial, P- Practical, CE- Continuous Evaluation, MTE-Mid Term Examination, ETE-End Term Examination

Evolution Scheme

• **Course without practical components**

For Continuous Evaluation (CE) is such as: 20 Marks

Overall performance 5 Marks

8 Assignments/Quiz / Seminar/Term paper /Project :15Marks

MTE - Mid Term Examination: 20 Marks

a. First Mid Term Examination: 10 marks

b. Second Mid Term Examination: 10 marks

ETE - End Term Examination: 60 Marks

• **Course with practical components only**

For Continuous Evaluation (CE) is such as: 30 Marks

Convener

Signature: 

Name : Dr. Aneeta Yadav

Date :

Internal Members

Signature: 1. 


Name: (Raghvendra Singh)

Date:

2. 

(Ravikesh Kumar Pal)

External Members

Signature: 1 

Name: (Satendra Kumar)

Date: