# RAMA UNIVERSITY, UTTAR PRADESH, KANPUR

## Faculty of Agricultural Sciences and Allied Industries

## EVALUATION SCHEME

## &

## SYLLABUS

**[Effective from the Session 2024-25]**

## M.Sc. (Ag.) Soil Science

# RAMA UNIVERSITY UTTAR PRADESH, KANPUR

A meeting of the Board of Studies of the Faculty of Agriculture & Allied Sciences, Rama University Uttar Pradesh, Kanpur was held on 15th May 2024-25 at 11 AM. The following members were present:

1. Dr. Aneeta Yadav — Convener
2. Dr. Ragvendra Singh — Member
3. Mr. Durgesh Kumar Maurya — Member
4. Dr. Devendra Yadav — 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.

**Convener**
Signature: .....
Name : Dr. Aneeta Yadav
Date :

**Internal Members**
Signature:
1.....
Name: Dr. Raghvendra Singh
Date:

2.....
Mr. Durgesh Kumar Maurya
Date:

**External Members**

1.....
Name : Prof (Dr) Devendra Yadav

Date:

**Evaluation Scheme:**
L-Lecture, P- Practical, MTE-Mid Term Examination, ETE-End Term Examination

1. Course with practical components
   - For MID Term Examination is such as: 30 Marks
   - Practical Examination (Assignments/Quiz / Seminar/Term paper /Project) :10 Marks
   - External Viva : 10Marks
   - ETE - End Term Examination: 50 Marks

2. Course without practical components
   - For MID Term Examination is such as: 40 Marks
   - (Assignments/Quiz / Seminar/Term paper /Project) :10 Marks
   - ETE - End Term Examination: 50 Marks

**Course Learning Outcomes (CLO)**
- Identify the area of research in field of Soil Science.
- Develop a research problem and plan for further investigation.
- Propose research topic and objective of research work planned.
- Quote the available literature during development of research plan.
- Collect suitable review of literatures related to the planned work




# RAMA UNIVERSITY UTTAR PRADESH, KANPUR

## Faculty of Agricultural Sciences & Allied Industries

## Department of Soil Science

## Program: M.Sc. (Ag.) Soil Science

### Report on Feedback on Curriculum by Stakeholders (2024-2025)

- The external experts suggested that Students need to be aware of industry exposure.
- As extension activities are part of the curriculum, more activities suiting the current needs were to be organized.
- The faculty suggested that more emphasis is given to conduct the research trials in the campus.

BoS Chairman

Dean

# RAMA UNIVERSITY UTTAR PRADESH, KANPUR

## Faculty of Agricultural Sciences & Allied Industries

## Department of Soil Science

## Program: M.Sc. (Ag.) Soil Science

## Action Taken Report based on Feedback at BoS held on 15.05.2024

- Invited resource persons from industries were made to address the students.
- Visits and interaction with progressive farmers, ICAR research stations to learn about the latest technologies.
- Students are conducting their trails in the campus for the research associated with the Agronomic crops.

BoS Chairman

Dean

# EVALUATION SCHEME

## M.Sc.(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 | MSS-101 | SOIL PHYSICS | 2 | 0 | 0 | 20 | 20 | 60 | 100 | 2 |
| 2 | MSS-102 | SOIL FERTILITY AND FERTILIZER USE | 3 | 0 | 0 | 20 | 20 | 60 | 100 | 2 |
| 3 | MSS-103 | SOIL CHEMISTRY | 2 | 0 | 0 | 20 | 20 | 60 | 100 | 2 |
| 4 | MSS-104 | SOIL MICROBIOLOGY (To be taught jointly by Soil Science and Microiology) | 2 | 0 | 0 | 20 | 20 | 60 | 100 | 2 |
| 5 | MSA-103 | PRINCIPLES AND PRACTICES OF ORGANIC FARMING* | 2 | 0 | 0 | 20 | 20 | 60 | 100 | 2 |
| **Practicals / Project** | | | | | | | | | | |
| 6 | MSS-151 | SOIL PHYSICS | 0 | 0 | 1 | 30 | 20 | 50 | 100 | 1 |
| 7 | MSS-152 | SOIL FERTILITY AND FERTILIZER USE | 0 | 0 | 1 | 30 | 20 | 50 | 100 | 1 |
| 8 | MSS-153 | SOIL CHEMISTRY | 0 | 0 | 1 | 30 | 20 | 50 | 100 | 1 |
| 9 | MSS-154 | SOIL MICROBIOLOGY (To be taught jointly by Soil Science and Microiology) | 0 | 0 | 1 | 30 | 20 | 50 | 100 | 1 |
| 10 | MSA-153 | PRINCIPLES AND PRACTICES OF ORGANIC FARMING | 0 | 0 | 1 | 30 | 20 | 50 | 100 | 1 |
| **Total** | | | **10** | 12 | **05** | **250** | **200** | **550** | **1000** | **15** |

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

1 Attendance: 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

*** indicates interdisciplinary course**

## M.Sc.(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 | MSS-201 | SOIL MINERALROGY GENESIS AND SURVEY | 2 | 0 | 0 | 20 | 20 | 60 | 100 | 2 |
| 2 | MSS-202 | SOIL, WATER AND AIR POLLUTION | 2 | 0 | 0 | 20 | 20 | 60 | 100 | 2 |
| 3 | MSS-203 | MANAGEMENT OF PROBLEMATIC SOILS | 2 | 0 | 0 | 20 | 20 | 60 | 100 | 2 |
| 4 | MSS-204 | CROP PHYSIOLOGY* | 2 | 0 | 0 | 20 | 20 | 60 | 100 | 2 |
| **Practical / Project** | | | | | | | | | | |
| 6 | MSS-251 | SOIL MINERALROGY GENESIS AND SURVEY | 0 | 0 | 1 | 30 | 20 | 50 | 100 | 1 |
| 7 | MSS-252 | SOIL, WATER AND AIR POLLUTION | 0 | 0 | 1 | 30 | 20 | 50 | 100 | 1 |
| 8 | MSS-253 | MANAGEMENT OF PROBLEMATIC SOILS | 0 | 0 | 1 | 30 | 20 | 50 | 100 | 1 |
| 9 | MSS-254 | CROP PHYSIOLOGY | 0 | 0 | 1 | 30 | 20 | 50 | 100 | 1 |
| **Total** | | | **8** | **0** | **4** | **200** | **160** | **440** | **800** | **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

1 Attendance: 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

***indicates interdisciplinary course**

## M.Sc.(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 | PGS- 301* | History of Agriculture | 1 | 0 | 0 | 20 | 20 | 60 | 100 | 1 |
| 2 | MSS-302** | Basic Statistical methods in Agriculture | 2 | 0 | 0 | 20 | 20 | 60 | 100 | 3 |
| 3 | MSS-303** | Library and information services | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Practical** | | | | | | | | | | |
| 4 | MSS-302 | Basic Statistical methods in Agriculture | 0 | 0 | 1 | 30 | 20 | 50 | 100 | 1 |
| 5 | MSS-303 | Library and information services | 0 | 0 | 1 | 30 | 20 | 50 | 100 | 1 |
| **Total** | | | **3** | **0** | **2** | **100** | **80** | **220** | **400** | **6** |

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

1 Attendance: 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

*** indicates interdisciplinary course and ** indicates basic supporting course**

## M.Sc.(Ag.) SOIL SCIENCE (SEMESTER-IV)

| S.N. | Subject Code | Subject Name | Period | | | EVALUATION SCHEME | | | Subject Total | Credit |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | L | T | P | CE | MTE | ETE | | |
| **Practical/Project** | | | | | | | | | | |
| 1 | MSS 400 | Master Seminar | 0 | 0 | 1 | 100 | 0 | 0 | 100 | 1 |
| 2 | MSS- 402 | Master's Research (Research Work & Thesis) | Satisfactory/Unsatisfactory | | | | | | | 20 |
| **Total** | | | 0 | 0 | 1 | 100 | 0 | 0 | 100 | 21 |

Note: For MSS-402: Master's Research (Research Work & Thesis) student will not be assigned any marks. Their performance will be evaluated as satisfactory (S) and unsatisfactory (US). In case of US student has to repeat the unsatisfactory research credits.