

Department of Microbiology
School of Biological Sciences
Dr. Harisingh Gour Vishwavidyalaya (A Central University), Sagar, MP.
470003. India

Departmental IQAC Profile

Criterion 2: Teaching-Learning and Evaluation

MSc in Microbiology

Duration of the program:

- (a) Minimum duration: Two years
- (b) Maximum duration: Four Years

Structure of the program:

- (a) Number of Core Courses: **08**
- (b) Minimum number of Elective Courses to be opted by the student : **04**
- (c) Minimum number of open Elective Courses to be opted by the student: **01**

Scheme of examination:

- (a) Mid Semester Examination : 20 Marks
- (b) Internal Assessment : 20 Marks
- (c) End Semester Examination : 60 Marks

A) Internal assessment:

a) Theory

Each theory course must clearly mention the methodology of assessment i.e. assignment, presentation, group discussion etc. depending on the number of students in the class and feasibility of adopting a particular methodology. The distribution of marks of internal assessments shall be as follows:

Evaluation of the assignment

- (i) Presentation, group discussion etc. : 15 marks
- (ii) Attendance : 05 marks

The marks for attendance shall be awarded as follows:

- (i) 75% and below : 00 Mark
- (ii) >75% and upto 80% : 01 Mark
- (iii) >80% and upto 85% : 02 Marks
- (iv) >85% and upto 90% : 03 Marks
- (v) >90% and upto 95% : 04 Marks
- (vi) >95% : 05 Marks

Note: To be eligible to appear in End Semester Examination a student must appear in Mid Semester Examination and Internal Assessment.

b) Practical/Lab Courses:

Evaluation of Practical/Lab Courses shall be as follows:

- (i) Performing and getting the experiment checked regularly and
Incorporating the suggestions in the practical note book : 15 Marks
- (ii) Attendance : 05 Marks

The marks for attendance shall be as follows:

- (i) 75% and below : 00 Mark
- (ii) >75% and upto 80% : 01 Mark
- (iii) >80% and upto 85% : 02 Marks
- (iv) >85% and upto 90% : 03 Marks
- (v) >90% and upto 95% : 04 Marks
- (vi) >95% : 05 Marks

B) End semester assessment:**a) Theory**

It will consist of 60 marks.

Each semester around 50% of answer sheets of courses will be evaluated by external examiners.

b) Practical/Lab Courses:

It will consist of 60 marks as follows:

- (a) Assessment of performance in the Experiment : 50 Marks
- (b) Viva-Voce of Experiment : 10 Marks

c) Evaluation of Projects:

It will be based on periodic assessment of the progress of the project and End Semester Examination as follows:

- (i) First periodic assessment of the progress after 08 weeks : 20 Marks
- (ii) Second periodic assessment after 04 weeks : 20 Marks
- (iii) End Semester Examination will consist of :
 - (a) Evaluation of the project report : 50 Marks
 - (b) Viva-Voce of the project report : 10 Marks

PhD in Microbiology

Total Intake: Variable (as per the availability of vacant seats).

Course Work: 16 credits (One semester)

3 Core Courses (14 credits) + 1 Elective Course (2 credits)

Subject Areas for Research:

Microbial Enzymes (mannanase, inulinase, L-asparaginase, keratinase, cellulase), Prebiotic oligosaccharides, Fungal Diversity, Environmental Microbiology, Genetically encoded biosensors, Infection, Immunity and Inflammation models of Zebrafish etc.