

Progressive Education Society's
Modern College of Arts, Science and Commerce (Autonomous), Shivajinagar, Pune 5.
ESE (End semester Examination) October-November- 2026 (2024 PATTERN)
T.Y.B.Sc. Microbiology SEM-V (REGULAR)

Course Code	Course / Paper Title	Credit	ESE Marks	DATE	TIME
MAJOR					
24ScBotU5101	Cell Biology	2	30	24/10/2026	11.00 am to 12.00 Noon
24ScCheU5101	Organic Chemistry	2	30	24/10/2026	11.00 am to 12.00 Noon
24ScEleU5101	Electronic Instrumentation	2	30	24/10/2026	11.00 am to 12.00 Noon
24ScMatU5101	Real Analysis	4	60	24/10/2026	11.00 am to 1.00 pm
24ScMicU5101	Medical Microbiology I	2	30	24/10/2026	11.00 am to 12.00 Noon
24ScPhyU5101	Introduction to Mathematical Methods in Physics	2	30	24/10/2026	11.00 am to 12.00 Noon
24ScStaU5101	Distribution Theory	4	60	24/10/2026	11.00 am to 1.00 pm
24ScZooU5101	Evolution	2	30	24/10/2026	11.00 am to 12.00 Noon
24ScBotU5102	Molecular Biology	2	30	26/10/2026	11.00 am to 12.00 Noon
24ScCheU5102	Physical Chemistry	4	60	26/10/2026	11.00 am to 1.00 pm
24ScEleU5102	Fundamentals of Process Control	2	30	26/10/2026	11.00 am to 12.00 Noon
24ScMatU5102	Groups and Rings	4	60	26/10/2026	11.00 am to 1.00 pm
24ScMicU5102	Immunology I	2	30	26/10/2026	11.00 am to 12.00 Noon

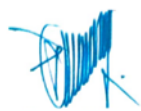
24ScPhyU5102	Introduction to Classical Mechanics	2	30	26/10/2026	11.00 am to 12.00 Noon
24ScStaU5102	Statistical Inference	4	60	26/10/2026	11.00 am to 1.00 pm
24ScZooU5102	Developmental Biology	2	30	26/10/2026	11.00 am to 12.00 Noon
24ScBotU5103	Genetics	2	30	27/10/2026	11.00 am to 12.00 Noon
24ScCheU5103	Introduction to Nano Chemistry & Applications	2	30	27/10/2026	11.00 am to 12.00 Noon
24ScEleU5103	Digital System Design	2	30	27/10/2026	11.00 am to 12.00 Noon
24ScMatU5103	Vector Calculus	2	30	27/10/2026	11.00 am to 12.00 Noon
24ScMicU5103	Biochemistry I	2	30	27/10/2026	11.00 am to 12.00 Noon
24ScPhyU5103	Introduction to Quantum Mechanics	2	30	27/10/2026	11.00 am to 12.00 Noon
24ScStaU5103	Data Mining	2	30	27/10/2026	11.00 am to 12.00 Noon
24ScZooU5103	Biochemistry	2	30	27/10/2026	11.00 am to 12.00 Noon
24ScBotU5104	Plant Breeding	2	30	28/10/2026	11.00 am to 12.00 Noon
24ScCheU5104	Lab Course on 24ScChe5101	2	30	At Department	
24ScEleU5104	Realization of Digital System with Verilog 2	2	30	28/10/2026	11.00 am to 12.00 Noon
24ScMatU5104	Lab Course on Operations Research	2	30	At Department	
24ScMicU5104	Molecular Biology I	2	30	28/10/2026	11.00 am to 12.00 Noon
24ScPhyU5104	Atomic and Molecular Physics	2	30	28/10/2026	11.00 am to 12.00 Noon

24ScStaU5104	Lab Course on 24ScStaU5101, 24ScStaU5102 and 24ScStaU5103	2	30	28/10/2026	11.00 am to 12.00 Noon
24ScZooU5104	Human Physiology	2	30	28/10/2026	11.00 am to 12.00 Noon
24ScBotU5105	Lab Course on 24ScBotU5101 and 24ScBotU5102	2	30	At Department	
24ScCheU5105	Lab Course on 24ScChe5102	2	30	At Department	
24ScEleU5105	Lab Course on 24ScEleU5101 & 24ScEleU5102	2	30	At Department	
24ScMicU5105	Lab Course on 24ScMicU5101 & 24ScMicU5102	2	30	At Department	
24ScPhyU5105	Lab Course on General Physics V	2	30	At Department	
24ScZooU5105	Lab Course on 24ScZooU5101 & 24ScZooU5102	2	30	At Department	
24ScBotU5106	Lab Course on 24ScBotU5103 and 24ScBotU5104	2	30	At Department	
24ScEleU5106	Lab Course on 24ScEleU5103 & 24ScEleU5104	2	30	At Department	
24ScMicU5106	Lab Course on 24ScMicU5103 & 24ScMicU5104	2	30	At Department	
24ScPhyU5106	Lab Course on General Physics VI	2	30	At Department	
24ScZooU5106	Lab Course on 24ScZooU5103 & 24ScZooU5104	2	30	At Department	
Major elective					
24ScBotU5201	Ecology and Plant Pathology	2	30	29/10/2026	11.00 am to 12.00 Noon
24ScBotU5202	Lab Course on 24ScBotU5201	2	30	At Department	

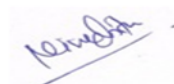
24ScBotU5203	Landscaping and Gardening	2	30	29/10/2026	11.00 am to 12.00 Noon
24ScBotU5204	Lab Course on 24ScBotU5203	2	30	At Department	
24ScCheU5201	Advanced Analytical Techniques	2	30	29/10/2026	11.00 am to 12.00 Noon
24ScCheU5202	Lab Course on 24ScCheU5201	2	30	At Department	
24ScCheU5203	Instrumental Methods of Analysis	2	30	29/10/2026	11.00 am to 12.00 Noon
24ScCheU5204	Lab Course on 24ScCheU5203	2	30	At Department	
24ScEleU5201	Signals and systems	2	30	29/10/2026	11.00 am to 12.00 Noon
24ScEleU5202	Lab Course on 24ScEleU5201	2	30	At Department	
24ScEleU5203	Principles of Power Electronics	2	30	29/10/2026	11.00 am to 12.00 Noon
24ScEleU5204	Lab Course on 24ScEleU5203	2	30	At Department	
24ScMatU5201	C Programming Language	2	30	29/10/2026	11.00 am to 12.00 Noon
24ScMatU5202	Lab Course on 24ScMatU5201	2	30	At Department	
24ScMatU5203	Metric Spaces	2	30	29/10/2026	11.00 am to 12.00 Noon
24ScMatU5204	Lab Course on 24ScMatU5203	2	30	At Department	
24ScMicU5201	Applied Microbiology I	2	30	29/10/2026	11.00 am to 12.00 Noon
24ScMicU5202	Lab Course on 24ScMicU5201	2	30	At Department	
24ScMicU5203	Biostatistics and Biophysics I	2	30	29/10/2026	11.00 am to 12.00 Noon
24ScMicU5204	Lab Course on 24ScMicU5203	2	30	At Department	
24ScPhyU5201	Electronics and Instrumentation	2	30	29/10/2026	11.00 am to 12.00 Noon
24ScPhyU5202	Lab Course on Elective Physics I	2	30	At Department	
24ScPhyU5203	Physics of Semiconductor Devices	2	30	29/10/2026	11.00 am to 12.00 Noon
24ScPhyU5204	Lab Course on Elective Physics II	2	30	At Department	
24ScStaU5201	Regression Analysis	2	30	29/10/2026	11.00 am to 12.00 Noon

24ScStaU5202	Lab Course on 24ScStaU5201	2	30	At Department	
24ScStaU5203	Stochastic Processes	2	30	29/10/2026	11.00 am to 12.00 Noon
24ScStaU5204	Lab Course on 24ScStaU5203	2	30	At Department	
24ScZooU5201	Wildlife Conservation and Management	2	30	29/10/2026	11.00 am to 12.00 Noon
24ScZooU5202	Lab Course on 24ScZooU5201	2	30	At Department	
24ScZooU5203	Microbiology, Parasitology & Immunology	2	30	29/10/2026	11.00 am to 12.00 Noon
24ScZooU5204	Lab Course on 24ScZooU5203	2	30	At Department	
VSC					
24ScBotU5501	Lab Course on Plant Analytical Techniques	2	30	At Department	
24ScCheU5501	Lab Course on Raw material Analytical Methods	2	30	At Department	
24ScEleU5501	Lab Course on Embedded C	2	30	At Department	
24ScMatU5501	Lab Course on Computer Oriented Numerical Methods	2	30	At Department	
24ScMicU5501	Lab Course on Clinical Microbiology & Hematology	2	30	At Department	
24ScPhyU5501	Lab Course on Quantum Computing I	2	30	At Department	
24ScStaU5501	Lab Course on Statistical Analysis using Python Programming	2	30	30/10/2026	11.00 am to 12.00 Noon
24ScZooU5501	Lab Course on Wildlife Biology	2	30	At Department	
FP					
24ScBotU5001	Field Project II	2	30	At Department	
24ScCheU5001	Field Project II	2	30	At Department	
24ScEleU5001	Field Project-II	2	30	At Department	

24ScMatU5001	Field Project II	2	30	At Department	
24ScMicU5001	Field Project II	2	30	At Department	
24ScPhyU5001	Field Project II	2	30	At Department	
24ScStaU5001	Field Project II	2	30	At Department	
24ScZooU5001	Field Project II	2	30	At Department	
MINOR					
24ScBotU5301	Plant Physiology and Biochemistry	2	30	31/10/2026	11.00 am to 12.00 Noon
24ScCheU5302	Fundamentals of Chromatographic Separations	2	30	31/10/2026	11.00 am to 12.00 Noon
24ScEleU5302	Lab Course on C Programming for Arduino	2	30	At Department	
24ScGeoU5302	Lab Course on Map Reading	2	30	At Department	
24ScMatU5302	Lab Course on Ordinary Differential Equations	2	30	At Department	
24ScMicU5302	Introduction to Fermentation	2	30	At Department	
24ScPhyU5302	Lab Course on Minor Physics III	2	30	At Department	
24ScStaU5301	Applied Statistics	2	30	31/10/2026	11.00 am to 12.00 Noon
24ScZooU5302	Lab Course on Vector, Diseases and Control	2	30	At Department	



Dr. R. M. Jagtap
Controller of Examinations



Dr. Nivedita G. Ekbote
Principal

Instructions to Students:

For ESE:

- 1. Please ensure that you will reach the examination Hall 25 minutes before examination time.**
- 2. Duly signed Hall ticket and college ID card is compulsory to attend the examinations**
- 3. Use of mobile phones and smart watches is strictly prohibited.**
- 4. If any misconduct by any student will be confirmed by the Examination Squad during examination, then appropriate 'Disciplinary Action' will be admissible against the student as per SPPU rules.**