

Department of Liberal Education Era University, Lucknow Course Outline

Effective From: 2023-24

Name o Progran		B.A. / B.Sc. (LIBERAL EDUCATION)							Year/ Semester:				3 rd / 6 th		
Course Name			Food crobiolo ical Tra		Course Code:	M	B305P	Туре	::				P	ractica	l
Credits		01						Total Practical Hours:				30 Hours			
Evaluation Spread		Internal Continuous Assessment:			10	Mar	ks	End Term Exam:			15 Marks				
Type of Course	•	C Compulsory		© Core			C Creative			C Life Skill					
Course Objective	ves	 This course will give the knowledge to develop skill for identifying microbes used in food microbiology. Through this learner will be able to culture of microorganisms used in Food microbiology. 													
Course attribute		omes			the succ	essfu	course	comp	oletion,	learne	ers	wili	l devel	op fol	lowing
Course Outcom (CO)		Attributes													
CO1		Students will learn the identification of morphological structures of different microbes of food microbiology													
CO2 CO3		Students will learn bacteriological analysis of food products Students will be able to understand the preservation methods													
CO4		Learner have the ability to learn the technique isolation of yeast from bread and isolation of moulds from cereal samples													
PedagogyInteractive, discussion-based, student-centered. program outputs.InternalExperiment-Writing and ConductanceEvaluationFile Maintenance/ Laboratory RecordModeContinuous Attendance and Participation															
Practical No.		Experiments											ontact Iours	Mapped CO	
1.		Identification of morphological structures of different microbes of food microbiology											4 CC		O1
2. 3.		8 7 1										6	6 CO3		
4. 5.													O4 O4		
CO-PO	and P	PSO Ma	apping PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PS	O3_	PSO4	PSO5	PSO6
CO1 CO2	1	1 1	1	2	2 2	2	2 2	1	2	2	2	2	1 1	1	1300
CO3	1 1	1	2 2	2 2	2 2	2 2	2 2	1	2 2	2 2	3	3	1 1	1 1	
Strongcont	ribution	-3, Av	eragecon			Z contribu		1	<u></u>	<i>L</i>	- 3	,	1	1	

Suggested Re	adings:								
Reference	1. Aneja, K.R. 1993. Experiments in Microbiology, Pathology and Tissue Culture, Vishwa								
Books	Prakashan, NewDelhi.								
	· · · · · · · · · · · · · · · · · · ·	2. and Maheshwari. D.K. 2012. Practical Microbiology, S.Chand & Company,							
	Pvt. Ltd., Nev								
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Resources		•							
Resources	3. http://www.onlinelabs.in								
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	_	THE PROPERTY OF THE PROPERTY O							
		niques							
		//foodhaccp.com/foodsafetymicro/onlineindex.html							
	7. <u>http</u>	://www.cpe.rutgers.ed/courses/current/If0401wa.html							
Internal Prac	tical Evaluatio	on:							
Component		Marks							
Experiment-V	Writing and	5							
Conductance									
File Maintena	ance/	2							
Laboratory F	Record								
Continuous A	Attendance	1							
and Participa	tion								
Viva-Voce		2							
Total Marks		10							

Course created by: Dr.Manaal Zahera	Approved by: Dr. Amita Jain
Signature:	Signature: