

No.	Information of the subject	
1.	Unit name:	Animal Biotechnology
2.	Code:	BioT 41064
3.	Classification:	General
4.	Credit value:	3.5
5.	Semester/Year Offered:	1/4
6.	Pre-requisite:	-
7.	Mode of delivery:	Presentations, Lectures
8.	Assessment system and breakdown of marks:	Practical,
	Practical	15%
	Active participation in Classwork and discussion	15%
	Mid-term exam	35%
	Final exam	35%
9.	Academic staff teaching unit:	Department of Biotechnology
10.	<p>Course outcome of unit:</p> <p>After completion of this course, students will be able to</p> <ol style="list-style-type: none"> <li>1. understand the basic knowledge of animal biotechnology</li> <li>2. know about the selection of production of milk and beef</li> <li>3. understand the reproductive structure of animal</li> <li>4. understand the influence of the nutrient, the hormone on the body structure and the reproduction rates</li> <li>5. know about the artificial insemination</li> </ol>	
11.	<p>Synopsis of unit: Animal biotechnology is the application of biotechnology for improvement of milk and beef production purposes, including selection of female and male. It includes the semen handling, semen storage and manipulation of insemination tools to produce useful products. Animal biotechnology is used to produce the commercial products in the dairy industry. Animal biotechnology produce not only improve genetic but also cost effective. It produce milk products and many beef products.</p>	
12.	<p>Topics</p> <ol style="list-style-type: none"> <li>1. Introduction</li> <li>2. Keeping and breeding of farm animals</li> <li>3. Reproduction and breeding</li> <li>4. Artificial Insemination</li> </ol>	

13.	Main reference: <ul style="list-style-type: none"><li>• Animal Biotechnology, M.M. Ranga, P.G Department of Zoology Government College, Ajmer Agrobios(India)</li></ul>
14.	Additional references: <ul style="list-style-type: none"><li>• <a href="http://www.selectsires.com">www.selectsires.com</a></li></ul>