



Jordan University of Science and Technology
Faculty of Agriculture
Animal Production Department

AP318 Beef Cattle Production

Second Semester 2021-2022

Course Catalog

2 Credit Hours. This course describe the major management topics in all major segments of beef cattle production, including, seedstock, cow calf, and feedlot segment. The majority of the course will focus on basic principles including genetics and breeding, nutrition, reproduction, herd health, carcass evaluation and marketing.

Text Book

Title	Beef Production Management & Decisions.
Author(s)	T. G. Field and R. E. Taylor
Edition	4th Edition
Short Name	Ref # 1
Other Information	

Instructor

Name	Dr. Mohammad Diya' Obeidat
Office Location	-
Office Hours	
Email	mdobeidat@just.edu.jo

Class Schedule & Room

Section 1:
Lecture Time: Sun : 13:00 - 14:00
Room: قاعة الغزالي

Section 2:
Lecture Time: Tue : 13:00 - 14:00
Room: قاعة الغزالي

Prerequisites

Line Number	Course Name	Prerequisite Type
612320	AP232 Feeds And Feeding	Prerequisite / Study

Tentative List of Topics Covered

Weeks	Topic	References
Week 1	Introduction and an overview of the Beef Industry General Overview	From Ref # 1
Week 2	Beef Industry Segments, Beef Industry Organizations	From Ref # 1
Weeks 3, 4	Commercial Cow-Calf Management Decisions Factors Affecting Pounds of Calf Weaned Managing Percent Calf Crop Managing Weaning Weights	From Ref # 1
Week 5	Yearling-Stocker Management Decisions History of the Fed Cattle Industry Types of Cattle Feeding Operations Managing a Feedlot Operation	From Ref # 1
Week 6	Feedlot Management Decisions History of the Fed Cattle Industry Types of Cattle Feeding Operations Managing a Feedlot Operation	From Ref # 1
Week 7	Reproduction Structure and Function of the Reproductive Organs Breeding Pregnancy and Calving	From Ref # 1
Weeks 7, 8	Managing Forage Resources Grazed Forage Resources Grazing Management Drought Management Health Problems Associated with Grazing Plants	
Week 9	Cattle diseases and health considerations	From Ref # 1
Weeks 10, 11	Nutrient Requirements Energy and Protein Minerals and Vitamins	From Ref # 1
Weeks 11, 12	Cattle Behavior, Facilities, and Equipment Behavior Facilities and Equipment	From Ref # 1

Mapping of Course Outcomes to Program Student Outcomes	Course Outcome Weight (Out of 100%)	Assessment method
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Describe the major factors that influence beef cattle production [1SLO 1]	30%	midterm exam, Final Exam
Ability to determine nutrient requirements and formulate balancing rations to meet these requirements [1SLO 2]	15%	midterm exam, Final Exam
To know the reproduction cycle of beef cattle. [1SLO 2]	10%	midterm exam, Final Exam
To define some major diseases affecting beef cattle [1SLO 2, 1SLO 3, 1SLO 4]	15%	midterm exam, Final Exam
Define different grazing systems [1SLO 2]	10%	midterm exam, Final Exam
Solve some management problems in beef cattle operations [1SLO 4]	20%	midterm exam, Final Exam

Relationship to Program Student Outcomes (Out of 100%)			
SLO 1	SLO 2	SLO 3	SLO 4
30	40	5	25

Evaluation	
Assessment Tool	Weight
midterm exam	50%
Final Exam	50%

Policy	
Exams	Written exams will be a combination of True and False, Multiple Choice, fill in the blank, problems, and short essay questions. No makeup exams unless the student is excused. Makeup exams will not be the same exam given to the rest of the class
Cheating	Prohibited; and in case of cheating the student will be subject to punishment according to the rules of JUST
Attendance	According to the Just policy: 20% of the total class count
Participation	Essential and highly encouraged
Withdraw	According to the timeline of JUST

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