

Republic of Iraq  
The Ministry Of Higher  
Education  
& Scientific Research



بسم الله الرحمن الرحيم

University: Diyala  
College: Agriculture  
Department: Animal Production  
Stage: Fourth  
Lecturer name : Ahmed Sinan  
Ahmed  
Academic Status: Professor  
Qualification: PhD  
Place of work: : Coll. Of  
Agriculture

## Flow up of implementation celli pass play

|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |            |         |         |             |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|---------|---------|-------------|
| Course Instructor   | Ahmed Sinan Ahmed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |            |         |         |             |
| E-mail              | ahmedsinan@uodiyala.edu.iq                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |            |         |         |             |
| Title               | Meat Production                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |            |         |         |             |
| Course Coordinator  | Autumnal course ( the first)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |            |         |         |             |
| Course Objective    | Identify the most important topics, points and influential factors related to the production, marketing and consumption of red meat                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |            |         |         |             |
| Course Description  | <ul style="list-style-type: none"> <li>- Sources of red meat production and its specifications.</li> <li>- The economic and nutritional importance of red meat production.</li> <li>- The reality of red meat production and consumption.</li> <li>- Investing in the productive efficiency of meat animals.</li> <li>- Composition and specifications of meat animal carcasses, <ul style="list-style-type: none"> <li>- Dressing percentage and factors affecting it.</li> <li>- Growth and development of the meat animal.</li> <li>- The slaughterhouse and its sections.</li> </ul> </li> <li>- Transporting and marketing animals and carcasses.</li> </ul> |            |         |         |             |
| Prequests           | - Production and marketing of beef cattle, Dr. Atallah Saeed, Hatem Hassoon, Muhammad Taha Alwan.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |            |         |         |             |
| Textbook References | -Producing beef cattle. Dr. Fouad Abdel Latif Abdel Karim<br>-Basics of meat science. Translated by Dr. Muhareb Abdel Hamid Taher 1983<br>-Meat science. Dr. Muhareb Abdel Hamid Taher 1990                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |            |         |         |             |
| Course Assessments  | Term Exam                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Laboratory | Quizzes | Project | Final Tests |
|                     | 20%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 15%        | 5%      |         | 60%         |
| General Notes       | The academic system for the subject is quarterly, not annual, and is offered during Autumn semester.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |            |         |         |             |

## Flow up of implementation celli pass play

| week | Date                          | Topics Covered                                                                           | Practical Part                                                                                       |
|------|-------------------------------|------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|
| 1    |                               | Red meat production sources and specifications                                           | Beef cattle breeds                                                                                   |
| 2    |                               | The economic and nutritional importance of red meat production                           | Beef cattle housing                                                                                  |
| 3    |                               | The reality of red meat production and consumption in Iraq, the Arab world and the world | Estimating the age of the animal                                                                     |
| 4    |                               | Meat production concepts                                                                 | Evaluation of beef cattle                                                                            |
| 5    |                               | Biological axes of meat production and how to express them                               | Stages of the animal slaughtering process                                                            |
| 6    | Semester 1 <sup>st</sup> exam |                                                                                          |                                                                                                      |
| 7    |                               | Red meat production patterns and factors affecting them                                  | The slauterhouse and its parts                                                                       |
| 8    |                               | Growth and development of meat animals                                                   | Techniques for evaluating and estimating the components of meat livestock carcasses (sheep and cows) |
| 9    |                               | Factors affecting growth and development                                                 | The relationship between the weight of the live animal and the weight of the carcass                 |
| 10   |                               | Meat production efficiency                                                               | Physical dissection of carcasses                                                                     |
| 11   |                               | Meat production efficiency                                                               | Grading and classification of carcasses                                                              |
| 12   | Semester 2 <sup>nd</sup> exam |                                                                                          |                                                                                                      |
| 13   |                               | The optimal investment for efficient meat production                                     | Prediction equations                                                                                 |
| 14   |                               | Composition of carcasses, dressing percentage and factors affecting it                   | Discuss student reports                                                                              |
| 15   |                               | Transport and marketing of animals and carcasses                                         | Discuss student reports                                                                              |

**Instructor Signature:**  
Prof. Dr. Ahmed Sinan Ahmed  
15/1/2025

**Dean Signature:**  
Prof. Dr. Raaed Ibrahim Khalil  
15/1/2025