#### Course Title: Animal Production 1 (Physiology)

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| **University** | **Benha** |
| **Faculty** | **Faculty of Agriculture** |
| **COURSE SPECIFICATIONS:** | |
| Program of which the course is given | Agricultural Biotechnology |
| Major or Minor element of Program |  |
| Departments offering the Program | Animal production |
| Department offering the course | Animal production |
| Academic year / Level | 2014-2015 |
| Date of specification approval |  |

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| **A- BASIC INFORMATION** | |
| Title | Animal Production 1 (Physiology) |
| Code |  |
| Credit Hours | 4 Hours/ week |
| Lecture | 2 Hours / week |
| Practical | 2 Hours / week |
| Total: | Hours |

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| **B- PROFESSIONAL INFORMATION** |
| **1 – OVERALL AIMS OF COURSE** |
| * To know the student all function of many organs and system in farm animals. * To define the student relationship and cooperation between nerves system and others such as digestive, respiratory, endocrine glands and reproductive system. |

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| **2 – Intended Learning Outcomes of Course (ILOs)** |
| **A. Knowledge and Understanding:** |
| ***By the end of the course, students should:***   * Understanding the different between the types of tissues, organs and systems. * Understanding the role of external and internal factors were affecting in response. * Understanding the bases and the principals of morphological traits all system. |

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| B. Intellectual Skills: |
| ***Successful completion of this course will allow students to:***   * Design of type's tissues and organs. * Solving the problems for the organs and system function. * Differentiate morphological and histological traits. |

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| C. Professional and Practical Skills: |
| * Operate the cell biology, tissues and organs. * Prepare and sectors in many tissues and organs such as skin, stomach, kidney, testes and ovary. |

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| D. General and Transferable Skills: |
| * Dealing with the problems related to animal physiology using computer. * Managing the animal farms with a good dealing with the others. |

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| 3. CONTENTS | | | |
| **Topic** | **No. of hours** | **Lectures** | **Practical** |
| Cell biology | 4 | 1 | 1 |
| Body fluid | 4 | 1 | 1 |
| Homeostasis | 4 | 1 | 1 |
| Digestive system | 4 | 1 | 1 |
| 4 | 1 | 1 |
| Heat regulation | 4 | 1 | 1 |
| 4 | 1 | 1 |
| Digestive system | 4 | 1 | 1 |
| Respiratory system | 4 | 1 | 1 |
| Nerves system and endocrine glands | 4 | 1 | 1 |
| 4 | 1 | 1 |
| Urinary system | 4 | 1 | 1 |
| 4 | 1 | 1 |
| Reproduction system | 4 | 1 | 1 |
| **Total** | 56 | 14 | 14 |

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| 4. TEACHING AND LEARNING METHODS |
| 1. The main subject areas are covered in the lectures (see syllabus Plan). 2. Seminar sessions and oral presentations prepared by students for discussion the studied aspects of the course give the opportunity learn and exchange the point views. 3. Visiting animal farms of our faculty and others of governmental and companies' are providing students with the practices experiences. |

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| 5. STUDENT ASSESSMENT METHODS |
| ***Students will be evaluate by attendance, fulfillment and effort in exercises and presentations, and passing of the following exams :***   1. Periodical exam 2. Practical exam 3. Oral exam 4. Final exam |

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| 6. ASSESSMENT SCHEDULE | | |
| No | Assessment | **Week No.** |
| 1 | Periodical exam | 4, 8, 12 |
| 2 | Practical exam | 13 |
| 3 | Oral exam | 13 |
| 4 | Final exam | 14 |

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| 7. WEIGHTING OF ASSESSMENT | | |
| No | Assessment | **%** |
| 1 | Periodical exam | 15% |
| 2 | Practical exam | 15% |
| 3 | Oral exam | 10 % |
| 4 | Final exam | 60 % |
| TOTAL | | 100 % |

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| 8. LIST OF REFERENCES |
| Animal physiology by gaiton 2000 to 2005 |

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| 9. FACILITIES REQUIRED FOR TEACHING AND LEARNING |
| 1. Teaching aids/ materials: e.g. boards – overhead projector – data-show projector – stationary*. etc.* 2. Teaching room/hall. 3. Poultry farm (housing, birds and egg incubation lab.). |

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| **Course Coordinators:** | **Prof. Dr. Abdelkareem Mohamed El-Sayed**  **Prof. Dr. Abdelmotaleb Ahmed Elokil** |
| **Date: 1/10 / 2015** | |