#### Course Title: Animal Production 3 (Poultry)

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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 |  |
| Department offering the course | Animal production |
| Academic year / Level | 3 |
| Date of specification approval |  |

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| **A- BASIC INFORMATION**  |
| Title  | Animal production 3 (Poultry) |
| Code | AP 0303 |
| Credit Hours  | 3 Hours |
| 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 the importance of poultry industry, and gives a general description of poultry farms.
* To define the student the production and reproduction aspects of poultry. Incubation, brooding and factors affecting meat and egg production are included along with the productive performance of poultry birds.
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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 chicken breeds and its products (egg or meat).
* Understanding the role of both reproductive and digestive systems in birds and its relation to the productive and reproductive performance.
* Understanding the bases and the principals of egg incubation and hatcher management, brooding and rearing of chicken.
* Understanding the technical basics of meat and egg production requirements
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| B. Intellectual Skills: |
| ***Successful completion of this course will allow students to:**** Design incubators and hatchers for chicken eggs incubation.
* Solving the problems for the incubation of chicken eggs and the brooding chicks.
* Differentiate the different types of chicken breeds.
* Differentiate the different types of chicken housing systems.
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| C. Professional and Practical Skills: |
| * Operate the incubators and hatchers for chicken eggs incubation.
* Prepare and manage the brooding and rearing houses for receive chicks.
* Prepare and manage the meat and egg production chicken farms.
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| D. General and Transferable Skills: |
| * Dealing with the problems related to poultry production using computer.
* Managing the poultry farms with a good dealing with the others.
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| 3. CONTENTS |
| **Topic** | **No. of hours** | **Lectures** | **Practical** |
| The poultry industry | 4 | 2 | 2 |
| Biology of domestic fowl (reproduction system) | 4 | 2 | 2 |
| Biology of domestic fowl (Digestive system) | 4 | 2 | 2 |
| Reproduction of birds (Hormonal regulation of reproduction in chicken and egg formation) | 4 | 2 | 2 |
| 4 | 2 | 2 |
| Incubation and hatcher management ( practical procedures of the artificial incubation) | 4 | 2 | 2 |
| 4 | 2 | 2 |
| Brooding of chicken | 4 | 2 | 2 |
| Rearing of chicken | 4 | 2 | 2 |
| Poultry houses and equipment | 4 | 2 | 2 |
| 4 | 2 | 2 |
| Meat production (hybrids formation, factors affecting meat production and chicken processing) | 4 | 2 | 2 |
| 4 | 2 | 2 |
| Egg production and egg quality | 4 | 2 | 2 |
| **Total** | 56 | 28 | 28 |

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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 poultry 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 |
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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. Gaafar Mahmoud El Gendi****Prof. Dr. Osama Hassan Mansour El Garhy**  |
| **Date: 1/10 / 2015** |