**University** of Benha **Faculty** Agriculture

**Course specifications for: Graduation Project Course /Agriculture Biotechnology Program**

**Programs on which the course is given:** Agricultural Biotechnology.

**Major or minor element of programmes:** Major

**Department offering the programme:** General

**Department offering the course:** Common and Joint

**Academic Level/semester:** 4th level/ end of 2nd semester for completion , all academic year for execution (Agric. Biotechnology Program)

**Date of specification approval: May 2014**

**A- Basic Information**

**Title: Graduation Project**  **Code: CJ1208**

**Weekly Teaching Lecture:** 28hours **Practical or** tutorial**:** 28hours **Total:** 56 hours

**B- Professional Information**

**1 – Overall aims of course**

Provide students with knowledge, understanding and skills on preparation, designing, and execution of a research study/ a scientific topic/ practical technical work. Work may be executed through joint student(s) / student (s) participation, student(s) / teaching staff participation or through the individual student alone.

**2 – Intended learning outcomes of course (ILOs)**

**a- Knowledge and understanding**:

a1- Acquire fundamental knowledge in his/her specialization.

a2- Get acquainted with up-to-date and new trends in the science of the project.

a3.Get experienced with effective presentation of scientific writing and logic explanation .

a.4.Assimilate and familiarize with basics of scientific deliberations and discussions .

**b- Intellectual skills.**

b1- Judge and evaluate results of research studies.

b2- Summarize the most relevant research work previously done in line with the project.

b3- Recognizing problems facing project and improvising means for overcoming them.

**c- Professional and practical skills**

c1- Efficient ability for presenting scientific and technical aspects of issues to specialists.

c2- Selection of criteria assessing basics for project execution .

c3- Exchanging scientific views and opinions on the sphere of the project.

C4-Preparing written reports, monographs, dissertations and similars for refereeing.

**d- General and transferable skills**

d1- Successful communication with specialists in appropriate fields relating the project.

d2- Use of computer soft-ware and electronic presentation means.

d3- Access to the Web-site on relevant topics.

d4- Solving problems using logic scientific approach.

**3- Contents and time-table :**

|  |  |
| --- | --- |
| No. of weeks | Topic |
| 14 | Periodical meetings with project supervisor. |
| 13 | Library work and acquainting with means and ways of literature review  |
| 13 | Cumulating literature works relevant to the project work. |
| 13 | Obtaining and stream-lining project results .  |
| 13 | Performing appropriate statistical analysis and preparing relevant mathematical models , improvising suitable equations or formulae ; and other parameters in light of obtained data.  |
| 13 | Preparation and writing of the final report or dissertation or monograph of the project to be ready for presentation. |
| 1 | Power point presentation of the project outcome to teaching staff and fellow students. |

**4– Teaching and learning methods**

4.1- Discussion forms and panels.

4.2-Libraries and Internet. Activities.

4.3- meetings with specialists and relevant scientists.

4.4- Field excursions

4.5-Preparation of the scientific/technical report / dissertation /monograph..

**5- Student assessment methods**

5.1:Oral evaluation: On week 14 , a seminar on the project is given in presence of teaching

 staff and fellow students.

5.2 :Presentation of report, dissertation , monograph on project completion and fulfillment.

**6-Weighing of assessments**

Oral judgment and assessment (done by a teaching-staff panel ) 25% .

 Report marks (given by the supervising professor) 75%

 **Total**  **100%**

**7- List of references**

7.1- **CMS 2011.** The graduate project handbook for students. Charlotte-Mecklenburg Schools

 (CMS), Charlotte, NC, USA.

7.2-**Lowder,** C. M. **2008.** Top 10 ways for a smooth graduation project implementation. The

 High School J. 92(1):41-45.

**8- Facilities required for teaching and learning**

Transportation means (probable), boards , data-show apparatus, laboratory and field facilities

**Date: / /**