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| **Benha University**  **Faculty of Science**  **جامعة بنهاDepartment of Zoology** | | | | | |
| **Course Specification**  400 Z: Research and essay | | | | | | |
| **A- Affiliation** | | | | | | |
| **Relevant program:** | Zoology & chemistry B.Sc. Program | | | | | |
| **Department offering the program:** | | | Department of Zoology | | | |
| **Department offering the course:** | | | Department of Zoology | | | |
| **Academic year/level:** | | | fourth level | | | |
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| B - Basic information | | | | | | |
| **Title:** Research and essay | | **Code:** 400 Z | | | **Year/level:** fourth level | |
| **Teaching Hours:** | | **Lectures:** 2 | | | **Tutorial:** 0 | |
|  | | **Practical:** 0 | | | **Total:** 2 h/week | |
| C - Professional information | | | | | | |
| **1 – Course Learning Objectives:** | | | | | | |
| At the end of this course the students will be able to:  1.1. Selected topics of certain subject in zoology.  1.2. Acquire the student the basic information of getting data on a certain subject in zoology.  1.3. Acquire the student the skills of making literature survey.  1.4. Acquire the student the skills of writing an essay under supervision. | | | | | | |

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| **2 - Intended Learning Outcomes (ILOS)** |
| **a - Knowledge and understanding:**  On successful completion of the course, the student should be:  a1- understand a certain subject in zoology.  a2- acquire the skills of writing an essay. |
| **b - Intellectual skills:**  On successful completion of the course, the student should be able to.  b1-  Interpret a piece of information in the light of evidence provided by zoology.  b2- Analyze qualitative and quantitative scientific data relevant to various subjects of zoology.  b3- Breakdown, synthesize, reconstruct and reformulate information.  b4- Combine knowledge gained from different sources. |
| **c- Practical and professional skills:**  On successful completion of the course, the student should be able to:  c1- differentiate available tools to solve a problem or to collect data.  c2- investigate certain subject.  c3- differentiate the basic units of the research including the introduction, material and methods, results, discussions and references |
| **d - General skills:**  On successful completion of the course, the student should be able to:   |  |  | | --- | --- | | d.1 | Use computers and internet for communication, data handling and word processing. | | d.2 | Solve problems on scientific basis. | | d.3 | Effectively manage tasks, time, and resources. | | d.4 | Search for information and engage in life-long self learning discipline. | | d.5 | Help raising public awareness of the benefits of conserving intellectual property rights and scientific patents on the individuals and communities. | |

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| **3 - Contents** | | | |
| **Topic** | **Lecture hours** | **Tutorial hours** | **Practical hours** |
|  How to get information from the classical library   How to get information from electronic sources   How to write an essay from the collected information on a  subject | 2 | 0 | 0 |
| **Total hours** | **24** | 0 | **0** |

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| **4 - Teaching and Learning methods:** |

4 .1. Small groups' office lectures.

4 .2. Discussions.

4 .3. Using information technology.

4.5. Visiting Libraries.

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| **5- Students’ Assessment Methods and Grading:** |

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| **Tools** | **Grading** |
| Discussion and oral exam | 50 % |
| Essay | 50 % |
| Total | 100 % |

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| **6- List of references:** |
| **6-1 Course notes**  Non  **6-2 Required books**  According to the selected subjects.  **6-3 Recommended books**  According to point of search.  **6-4 Periodicals, Web sites, etc.**  [www.google.com](http://www.google.com)  www.sciencedirect.com |

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| **7- Facilities required for teaching and learning:** |
| Faculty library. |

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| **Course coordinator:** |  |  |
| **Head of the Department:** | Prof. Dr. Aziza A.M. El-Shafey |  |
| **Date:** | 2013 / 2014 |  |