



Course specification

University/Academy: Damanhour

Faculty/Institute: Science

Department :Zoology

1. course Data:

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| Course code: Zool407 | Course title: Neuro-endocrinology | Academic year:2010/2011 level: 4th year/ 1st term | | |
| Specialization: Special zoology | No. of instructional units: lecture | 2hrs/ week | practical | 3hrs/ week |

2. course Aim

- Understanding the general structure of the human nervous system.
- Identifying the endocrine glands : the structure , the role ,and hormones of each in our bodies.
- Describing the mechanisms of nervous control on different organs and physiological states in the body.
- Explaining how the hormonal system co-operates with nervous system.
- Determining the hormonal disorders related to pathology of endocrine glands.

3. Intended learning outcome

a) Knowledge and understanding

A1: Understand general structure of human nervous system.



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| | <p>A2: identify the structure of each of the endocrine glands in our bodies.</p> <p>A3: Mention the hormones released by each endocrine gland in our bodies.</p> <p>A4: Describe the mechanisms of nervous control on different organs.</p> |
| b) Intellectual skills | <p>B1: analyze the hormonal disorder related to pathology of endocrine glands.</p> <p>B2: Differentiate between all hormones of each in our bodies.</p> <p>B3: Evaluate how the hormonal system co-operates with the nervous system.</p> |
| c) Professional skills | <p>C1: elicit the general structure of human nervous system.</p> <p>C2: learn independently with open-mindedness and critical inquiry.</p> |
| d) General skills | <p>D1: Communicate with each other for covering both written & oral exam</p> <p>D2: Exchange ideas, principles and information by oral, written and visual means.</p> <p>D3: Work effectively both in a team and independently..</p> |
| 4. course content | <p>Human nervous system</p> <p>Endocrine glands of the human body</p> <p>Co-ordination between nervous and hormonal system</p> <p>cases</p> <p>Disorders of the endocrine glands related to pathological</p> |



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| <p>5. Teaching and learning methods</p> | <p>5.1. lecture using PowerPoint presentations. 5.2. practical sections. 5.3. independent reading throughout basic text books and research papers.</p> | | | | | | | | | | | | | | | | | | |
| <p>6. teaching and learning methods for students with special needs</p> | <p>-----</p> | | | | | | | | | | | | | | | | | | |
| <p>7. Student Assessment</p> | | | | | | | | | | | | | | | | | | | |
| <p>a) Procedures used:</p> | <p>7.1. written exam. To access ability to remember & understand scientific background. 7.2. poster presentation to assess skills of presenting data and discussion. 7.3. practical exam. To access professional and practical skills. 7.4. practical book for assessment of practical activities.</p> | | | | | | | | | | | | | | | | | | |
| <p>b) Schedule:</p> | <p>Assessment 1: Semesterwork Week: 4-8 Assessment 2: Mid-term Week: 10 Assessment 3: Practical final Week: 12 Assessment 4: Written final Week: 14</p> | | | | | | | | | | | | | | | | | | |
| <p>c) Weighing of Assessment:</p> | <table border="0"> <tr> <td>Mid-Term Examination:</td> <td>(15)</td> <td>10%</td> </tr> <tr> <td>Final-Term Examination:</td> <td>(100)</td> <td>66%</td> </tr> <tr> <td>Oral Examination:</td> <td></td> <td>0 %</td> </tr> <tr> <td>Practical Examination:</td> <td>(25)</td> <td>24%</td> </tr> <tr> <td>Semester Work:</td> <td></td> <td>10%</td> </tr> <tr> <td>Other types of assessment:</td> <td></td> <td>%</td> </tr> </table> | Mid-Term Examination: | (15) | 10% | Final-Term Examination: | (100) | 66% | Oral Examination: | | 0 % | Practical Examination: | (25) | 24% | Semester Work: | | 10% | Other types of assessment: | | % |
| Mid-Term Examination: | (15) | 10% | | | | | | | | | | | | | | | | | |
| Final-Term Examination: | (100) | 66% | | | | | | | | | | | | | | | | | |
| Oral Examination: | | 0 % | | | | | | | | | | | | | | | | | |
| Practical Examination: | (25) | 24% | | | | | | | | | | | | | | | | | |
| Semester Work: | | 10% | | | | | | | | | | | | | | | | | |
| Other types of assessment: | | % | | | | | | | | | | | | | | | | | |



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| | Total | (150) | 100% |
| 8. List of Textbooks and References: | ----- | | |
| a) Course Notes | ----- | | |
| b) Required Books (Textbooks) | ----- | | |
| c) Recommended Books | ----- | | |
| d) Periodicals, web sites,...,etc | | http://www.wekepedia.com | |

Course Instructor: Dr. amal abass

Head of Department: Prof . Karoline Kamel Abdel Aziz

Date: -----/-----/-----