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**Department of Biology**

**College of Science**

**University of Salahaddin-Erbil**

**Subject: Histology**

**Course Book – *third Year***

**Lecturer's name:**

**Assist. Prof. Dr.Lana S. Al-Alem**

 **Phd student Shang zeid Shawnem Musher**

**Academic Year: 2018/2019**

**Course Book**

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| **1. Course name** | **Histology** |
| **2. Lecturer in charge** | **Assist. Prof. Dr.Lana S. AL-Alem** |
| **3. Department/ College** | **Department of Biology/College of Science** |
| **4. Contact** | **e-mail:**lanaalalem@su.edu.krd |
| **5. Time (in hours) per week**  | **Theory: 2** **Practical: 3**  |
| **6. Office hours** | **To be Return to the schedule on the office door** |
| **7. Course code** |  |
| **8. Teacher's academic profile**  |  |
| **9. Keywords** |  |
| **10. Course overview:**This course offers a comparative survey of the structure, function and shape and includes a laboratory study of the prepared section from human and animals. This course provides an introduction to general tissue type, arrangement of tissue in several organs and depending on the function of them, and the structure and secretion of glands. |
| **11. Course objective:**1. Leads students toward understanding of several system structures.
2. To identified the shape of different cells and tissues.
3. To know the different between organs structure depending on function
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| **12. Student's obligation**Attendance in lecture is expected. You are responsible for everything covered, mentioned, discussed and displayed in class. If you miss a class, get a classmate's notes as my notes will not be available. You cannot excel in this course if you do not come to class. |
| **13. Forms of teaching**Coursebook, PowerPoint, board and video. |
| **14. Assessment scheme**Assessment will be in the form of three in-class midterm exams, a final comprehensive exam, a series of unannounced quizzes and homework assignments. Each component is worth the following proportion towards your final grade:Midterm I Histology 25%Embryology final exam 25% + Embryology final exam 25% = 50The lecture portion of the course will comprise 70% of your final grade; your lab grade will comprise the other 30%. The examinations will consist mainly of short answer questions, definitions, functions, lists, multiple choice, reason(s), comparisons and brief explanation.‌ |
| **15. Student learning outcome:**By completing this course, the students can:1. Anatomical and histological descriptions of several system.
2. Describe different type of tissue.
3. Differentiate between different type tissues.
4. Understanding relation between shape and function.

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| **16. Course Reading List and References‌:**1. Histology-Gartener, L. P. and Hiatt, J. L. Color Text Book of Histology.3rd edition. SAUNDER
2. Miller, S. A. and Harley, M. (2005). Zoology. 6th ed. Mc Graw Hill. Boston. Burr Ridge.
3. Dixit, D. Human embryology (2004). CBS publishers and distributors
4. Lopez-Gracia, M.L. and Ros, M. (2007). Advances in Anatomy Embryology and Cell Biology.Springer Berlin Heidelberg New York.
5. Slack, J.M.W. (2006).Essential Developmental Biology.2nd ed. Blackwell Publishing Ltd.
6. Brawn, G. Geoffery. An Introduction to Histotecnology. CAMBRIDGE UNIVERSITY PRESS Cambridge, New York, Melbourne
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| **17. The Topics:** | **Lecturer's name** |
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| Syllabus and introduction to histology |  |
| Epithelial tissue and glands |  |
| Connective tissue |  |
| Connective tissue |  |
| Connective tissue |  |
| Nervous system |  |
| Muscular system |  |
| First exam |  |
| Circulatory system |  |
| Skin  |  |
| Digestive system |  |
| Digestive system |  |

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| **18. Practical Topics (If there is any)** |  |
| In this section The lecturer shall write titles of all practical topics he/she is going to give during the term. This also includes a brief description of the objectives of each topic, date and time of the lecture  | Lecturer's nameex: (3-4 hrs) |
| **19. Examinations:**The exams will be held during the course.Quizzes – during the practical hours.Theoretical exams: three per year. Practical exams: one or two per semester.Final exam – Theoretical, and Practical.**Theoretical: exams will be mixed**T or F. (True or False questions)SCQ. (Single choices Questions)Short Essays Diagrams**Practical exam:**Slides and samples Diagnosis with related Questions**On Answering**: the student should * read the question carefully
* Think carefully before answering
* Plan your answering
* Answer should contain preface , content and conclusion
* Answer should be precise and to the point
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| **20. Extra notes:**Here the lecturer shall write any note or comment that is not covered in this template and he/she wishes to enrich the course book with his/her valuable remarks. |
| **21. Peer reviewپێداچوونه‌وه‌ی هاوه‌ڵ** .‌‌  |