Syllabus
Biology 3405.01

Instructor: Dr. Mohammed Farooqui
Office / Phone: MAGC 2.316 D [665 – 2404 / 3543]
Office Hours: 9:30 – 10:30 AM Monday – Friday
Meeting Time: 10:50 AM – 12:05 PM
Meeting Location: Lecture ESCNE 2.108
Laboratory ESCNE 2.260
email: mohammed.farooqui@utrgv.edu
Syllabus
Biology 3405.01

• Textbooks:
  • None Required for Lecture – Suggested Resources:
  • Bloom & Fawcett’s Concise, Histology by Don W. Fawcett & Ronald P. Jensh, 2nd Ed. 2002, Arnold Publishing
  • Histology by Michael Ross and W. Pawlina, 5th Edition, 2006, Lippincott Williams &Wilkins
Course Description and Prerequisites

- Welcome to a junior level course in histology.
- **Prerequisites** – Twelve hours of biology including four hours from BIOL 2401 or 2402
- Lectures in this course offering will place major emphasis on the structure and function of major tissue types and their cellular components.
Course Description and Prerequisites

- The laboratory will provide an opportunity for a first hand experience in examining microscopic structures of the major tissue types and their relationships in the organ structure.
- Topics will include epithelium, blood, connective, muscle, and nerve tissue and digestive, urinary, respiratory, circulatory and reproductive systems.
Learning Objectives / Outcomes for the Course

1. The student knows the role of the cell in life and living systems, and understands the inter-relationships between sub-cellular structures that contribute to its functioning as a unit.

2. The student is aware of the diversity of life, and understands inter-relationships among organs and organ systems within an organism, and inter-relationships between an organism and its environment.
Learning Objectives / Outcomes for the Course

3. The student understands how the **organization of a specific structure** within an organism is related to a specific function, and how this function contributes to survival of the organism.

4. The student is **prepared to accept employment** in a variety of environmental and health related professions, enter medical and dental schools, pursue graduate degrees in the biological sciences, or teach in public or private schools.
Learning Objectives for Core Curriculum Requirements

- This course is primarily and preferably designed for pre-health career students – please see last 2 slides for more details.
- Others are welcome.
- This course fulfills the group 3 requirement of Biology Core Curriculum.
Grading Policies

- Final course grade is equivalent to 2/3 of the final lecture grade and 1/3rd of the final lab grade.

- There will be 3 major exams all counting for 2/3rd of final lecture grade and one single Semi-Comprehensive Final exam counting for 1/3rd of final lecture grade.

- Please note that you must pass both lecture and lab independently of each other in order to pass the course.
Grading Policies

- Lecture exams will be **objective and / or essay** type and will last for about one lecture time.
- In addition to the textbook the material will be covered from the latest published work available.
- There will be 2 lab exams; MIDTERM and FINAL.
Grading Policies

- Students must purchase **Scan-Tron Form 882** answer sheets from the book store. Instructor will NOT supply these. A **#2 pencil** must be used to mark answer sheet. Please use a **HEAVY HAND** when marking answers.
Grading Policies

- Students may as an option take a completely essay type exam instead of the multiple choice type. Students desiring to take the essay type exam should notify the instructor at least one day before the exam.
Grading Policies

- Your final grade will be determined by matching your final average with the following scale: **90 and above is A**, **80-89 = B**, **70-79 = C**, **60-69 = D** and **below 60 is F**.
- There is **NO EXTRA WORK OR CREDIT**.
- Your grades will not be posted anywhere. Your scan trons will be returned to you in the very next class hour.
Grading Policies

- Volume of material to learn will require study every day. *Do not attempt to cram the night before.*
- Stay by it day by day. Read chapters covered and take good notes.
- **Attendance is extremely important** as test items come mostly from lecture material.
# Calendar of Activities

**University Calendar**

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
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<tbody>
<tr>
<td><strong>August 28</strong></td>
<td><strong>Fall classes begin</strong></td>
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<tr>
<td>September 4</td>
<td>Labor Day Holiday, no classes</td>
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<tr>
<td><strong>November 15</strong></td>
<td><strong>Last day to drop the course and receive a DR Grade or withdraw with a W grade</strong></td>
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<tr>
<td><strong>November 23-25</strong></td>
<td><strong>Thanksgiving Holiday, no classes</strong></td>
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<tr>
<td>December 7</td>
<td>Study Day, no classes</td>
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<td><strong>December 8-14</strong></td>
<td><strong>Final Exams</strong></td>
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<tr>
<td>December 15-16</td>
<td>Commencement Exercises</td>
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Calendar of Activities
Tentative Class Schedule

Week 1  Introduction, Methods of Histology, The Cell
Week 2  Epithelium
Week 3  Connective Tissue
Week 4  Specialized Connective Tissues
  – Blood / Bone Marrow
Week 5  Specialized Connective Tissues
  – Cartilage / Bone

**EXAM I, Thursday September 28th**
Calendar of Activities
Tentative Class Schedule

Week 6  Muscle Tissue
Week 7  Nervous Tissue
Week 8  Cardiovascular System
Week 9  Lymphoid and Immune System

EXAM II, Thursday October 19th
### Calendar of Activities

**Tentative Class Schedule**

<table>
<thead>
<tr>
<th>Week</th>
<th>Topic</th>
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<tbody>
<tr>
<td>10</td>
<td>Endocrine and Upper Digestive System</td>
</tr>
<tr>
<td>11</td>
<td>Lower Digestive System, Liver, Gallbladder, and Pancreas</td>
</tr>
<tr>
<td>12</td>
<td>Respiratory System</td>
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</table>

**EXAM III, Thursday November 9th**
Calendar of Activities
Tentative Class Schedule

Week 13  Urinary System

**Thanksgiving Recess (November 23-25)**

Week 14  Male and Female Reproductive System

Week 15  Review – December 5th

**Semi-comprehensive Final Exam**
at 10:15 AM – 12:00 PM, Tuesday December 12th
Other Course Information

Learning Tools

- One of the best tools of learning process is effective in-class and out-of-the-class interaction between the student and the instructor.

- This is your course. My major interest is to make this course useful to you. I welcome questions, suggestions and discussions.

- Ask questions and clarify concepts before exams.

- Do not miss classes and do attend review sessions.

- **No electronics are allowed:** Laptops, pagers, cellular phones, cameras, tape recorders and ipods are not allowed unless specifically requested for a valid reason.
Other Course Information
Make up work

• You must make arrangements, in advance, for any exam for which you know you will not be present.

• If, in my judgment, the reason for such absence is genuine, I may allow you to take an essay type exam PRIOR TO scheduled exam. However, I must point out to you that equivalent exams are difficult to make.

• An exam missed for unexpected cause may be made up, at my discretion, provided
  • the reason is sound and
  • you notify me or the office staff (665-2404) at least the morning of the exam (limit ONE exam).
Other Course Information
Dropping the Course

- If you find yourself doing very poorly after the first exam you may choose to drop the course, get additional help to improve and/or pursue other interests.

- Last day to drop or withdraw from the University with a grade of “DR” or “W” recorded is November 15, 2017. After this date student remains enrolled in course and receives whatever letter grade he/she earns. Please brows utrgv.edu/registration for more detail.

- Dropping the course is not automatic, it requires your initiation using proper forms.

- Please check UTRGV Policies Statements.
Students with Disabilities

If you have a documented disability (physical, psychological, learning, or other disability which affects your academic performance) and would like to receive academic accommodations, please inform your instructor and contact Student Accessibility Services to schedule an appointment to initiate services.

It is recommended that you schedule an appointment with Student Accessibility Services before classes start. However, accommodations can be provided at any time.

**Brownsville Campus:** Student Accessibility Services is located in Cortez Hall Room 129 and can be contacted by phone at (956) 882-7374 (Voice) or via email at *ability@utrgv.edu*.

**Edinburg Campus:** Student Accessibility Services is located in 108 University Center and can be contacted by phone at (956) 665-7005 (Voice), (956) 665-3840 (Fax), or via email at *ability@utrgv.edu*.
Mandatory Course Evaluation Period

Students are required to complete an ONLINE evaluation of this course, accessed through your UTRGV account (http://my.utrgv.edu); you will be contacted through email with further instructions.

Online evaluations will be available Nov. 18 – Dec. 8, 2016. Students who complete their evaluations will have priority access to their grades.
Attendance

Students are expected to attend all scheduled classes and may be dropped from the course for excessive absences. UTRGV’s attendance policy excuses students from attending class if they are participating in officially sponsored university activities, such as athletics; for observance of religious holy days; or for military service.

Students should contact the instructor in advance of the excused absence and arrange to make up missed work or examinations.
Scholastic Integrity

As members of a community dedicated to Honesty, Integrity and Respect, students are reminded that those who engage in scholastic dishonesty are subject to disciplinary penalties, including the possibility of failure in the course and expulsion from the University.

Scholastic dishonesty includes but is not limited to: cheating, plagiarism, and collusion; submission for credit of any work or materials that are attributable in whole or in part to another person; taking an examination for another person; any act designed to give unfair advantage to a student; or the attempt to commit such acts.

Since scholastic dishonesty harms the individual, all students and the integrity of the University, policies on scholastic dishonesty will be strictly enforced (Board of Regents Rules and Regulations and UTRGV Academic Integrity Guidelines). All scholastic dishonesty incidents will be reported to the Dean of Students.
Sexual Harassment, Discrimination, and Violence

In accordance with UT System regulations, your instructor is a “responsible employee” for reporting purposes under Title IX regulations and so must report any instance, occurring during a student’s time in college, of sexual assault, stalking, dating violence, domestic violence, or sexual harassment about which she/he becomes aware during this course through writing, discussion, or personal disclosure.

More information can be found at [www.utrgv.edu/equity](http://www.utrgv.edu/equity), including confidential resources available on campus.

The faculty and staff of UTRGV actively strive to provide a learning, working, and living environment that promotes personal integrity, civility, and mutual respect in an environment free from sexual misconduct and discrimination.
Course Drops

According to UTRGV policy, students may drop any class without penalty earning a grade of DR until the official drop date. Following that date, students must be assigned a letter grade and can no longer drop the class.

Students considering dropping the class should be aware of the “3-peat rule” and the “6-drop” rule so they can recognize how dropped classes may affect their academic success. The 6-drop rule refers to Texas law that dictates that undergraduate students may not drop more than six courses during their undergraduate career.

Courses dropped at other Texas public higher education institutions will count toward the six-course drop limit.

The 3-peat rule refers to additional fees charged to students who take the same class for the third time.
Fall 2017 Teaching Assistant

Cesar Bautista
Harley Wilde
Things to look for

This course is designed with **pre-med students in mind**

Others are **welcome**

This is a junior level course, **more expectations from students**

Requires knowledge of **Anatomy and Physiology**

Requires **rigorous** work both in lecture and lab

Requires study every day **not a day before exam**

Requires knowledge of **a lot of minute details**
Things to look for

Allow extra time – do not mix this course with other lab courses in a single semester

If you are taking this course just to fulfil group # 3 core courses or 4 hours of science requirement – this is not your course

Think hard before you continue the course and weigh options other than this course, if needed