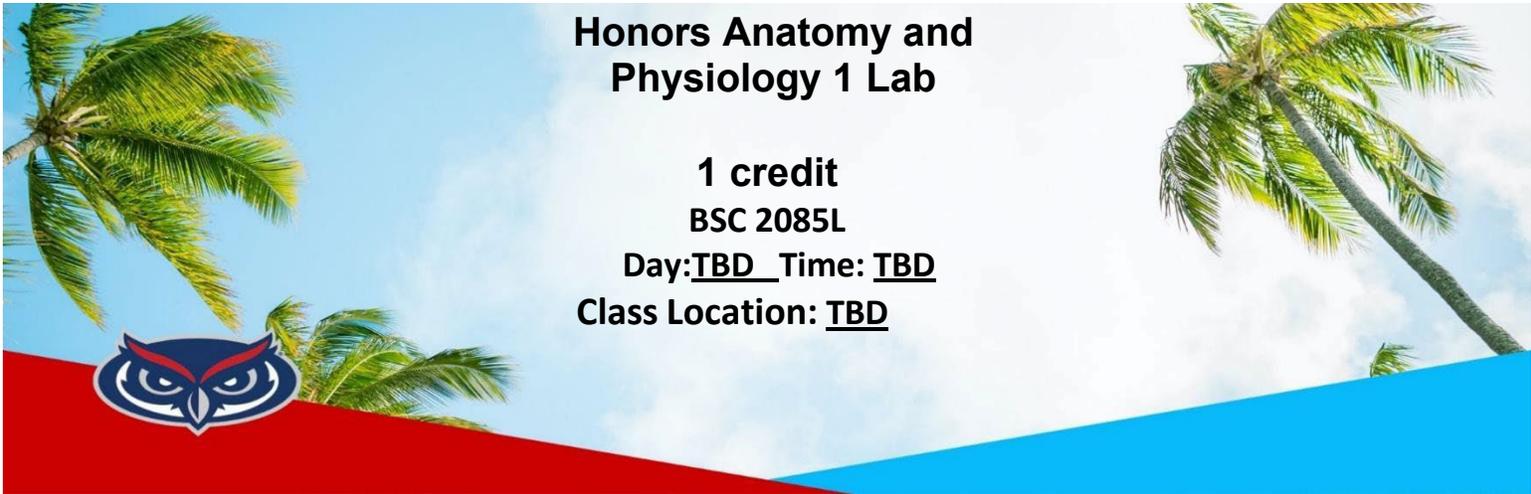


| | | | |
|---|---|---|---|
|  FLORIDA ATLANTIC UNIVERSITY | NEW COURSE PROPOSAL Undergraduate Programs | | UUPC Approval <u>4/24/23</u> UFS Approval _____ SCNS Submittal _____ Confirmed _____ Banner Posted _____ Catalog _____ |
| | Department none College Honors (To obtain a course number, contact erudolph@fau.edu) | | |
| Prefix BSC Number 2085 | (L = Lab Course; C = Combined Lecture/Lab; add if appropriate) Lab Code L | Type of Course Lab | Course Title Honors Anatomy and Physiology 1 Lab |
| Credits (See Definition of a Credit Hour) 1 | Grading (Select One Option) Regular <input checked="" type="radio"/> Sat/UnSat <input type="radio"/> | Course Description (Syllabus must be attached; see Template and Guidelines) Laboratory investigations to augment the content of BSC 2085. | |
| Effective Date (TERM & YEAR) Spring 2024 | | | |
| Prerequisites, with minimum grade* None | Corequisites or Prerequisite: BSC 2085 with C- or better | Registration Controls (Major, College, Level) Honors College | |
| *Default minimum passing grade is D-. Prereqs., Coreqs. & Reg. Controls are enforced for all sections of course | | | |
| WAC/Gordon Rule Course <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No WAC/Gordon Rule criteria must be indicated in syllabus and approval attached to proposal. See WAC Guidelines . | | Intellectual Foundations Program (General Education) Requirement (Select One Option) None General Education criteria must be indicated in the syllabus and approval attached to the proposal. See Intellectual Foundations Guidelines . | |
| Minimum qualifications to teach course 18 graduates credit in biology or related field | | | |
| Faculty Contact/Email/Phone William O'Brien/wobrien@fau.edu/6-8033 | | List/Attach comments from departments affected by new course See attached statement of support from Biological Sciences | |
| Approved by Department Chair <u>William O'Brien</u> College Curriculum Chair <u>Rachel Carr</u> College Dean <u>[Signature]</u> UUPC Chair <u>Elynn Williams</u> Undergraduate Studies Dean <u>Dan Maceroff</u> UFS President _____ Provost _____ | | | Date 4/14/2023 <u>4/14/23</u> <u>4/15/23</u> <u>4/24/23</u> <u>4/24/23</u> |

Email this form and syllabus to mjenning@fau.edu seven business days before the UUPC meeting.

The banner features a background of palm trees against a blue sky with light clouds. The bottom of the banner is split into a red section on the left and a blue section on the right. In the red section, there is a stylized owl logo with blue and white feathers and red eyes.

Honors Anatomy and Physiology 1 Lab

1 credit

BSC 2085L

Day: TBD Time: TBD

Class Location: TBD

Instructor: TBD

Office Location: TBD

Office hours: TBD

Email: TBD

Course Description

Laboratory investigations to augment the content of BSC 2085.

Instructional Method

This class is designated as an in-person course.

Prerequisites/Corequisites

BSC 2085 lecture with a grade of C- or better

Course Objectives

In this class you will become familiar with the microscope and observe/perform various dissections. You will study the anatomy of the cell and various tissues on a microscopic level. You will also study the skeletal and muscular systems using the cat as a representative mammal and applying your knowledge to human anatomy. You will also be exposed to the brain, nervous, and sensory systems, and dissect both a brain and an eye. You will learn basic dissection

technique, including safety and disposal of biohazardous materials. At the end of this course, you should have a working knowledge of animal cell structure, tissue histology, the nomenclature and anatomy of bones, muscles, brain and nervous system, and the special senses. Your lab manual pages will be checked for completion at the end of each lab for performance, punctuality, and participation (PPP) points. Your participation online is imperative for learning and will greatly enhance the value of your experience. Instructions and announcements will be posted on Canvas.

NOTE ON HONORS DISTINCTION: This Honors course differs from a non-Honors course in the work and intellectual demands it places on students. In addition to the textbook readings, students will read articles published by professional scholars in peer-reviewed journals, and are expected to think critically about the debates within the field.

Course Components

This course has a few different components. Here is a table to break them down:

| CANVAS | IN LAB | TOPHAT |
|--|---|---|
| 4 quizzes (20 points each; lowest quiz dropped) | 2 practicals (midterm +final, 100 points each) | Online Lab Manual with printed procedural pages |
| Timed graded online quizzes (PAR) (10 points each)* | Dissections/Microscope work | Chapter Study Guides |
| Bones Activity Submission (5 points) | Virtual Reality | In-lab Powerpoint lectures |
| | Hands-on Activities | Safety module (5 PPP points) |
| | *Participation (PPP) 12 labs, 3 possible points in lab | Prelab (1 PPP) per week |
| | Bonus Mini Game Reviews (5 points each) | Postlab (1 PPP) per week |

Course Evaluation Method

Four online quizzes will be given. Each is worth 20 points. Your lowest quiz score will be dropped. Two practical exams (totaling 200 points) will be given. Participation (PPP) is worth 60 points. PAR online quizzes will be worth 100 points. You will have one out of class activity worth 5 points. You will have two mini review games in the lab (5 bonus points per review). **Your grade will be determined by dividing your raw score by the number of possible points (425) and the grading scale on the next page.**

| Graded Item | | Total Possible Points |
|--|---|----------------------------------|
| Quizzes (20 points each) | 4 given, 1 dropped | 60 |
| Participation (PPP) | 12 labs, 5 possibly earned points per lab (3 points in class, 1 point prelab, 1 point for post lab) | 60 |
| Practical Exams (100 points each) | 1 midterm, 1 final | 200 |
| PAR (10 points per quiz) | 10 PAR quizzes (online) | 100 |
| Bones Activity Submission | 5 points | 5 |
| | | 425 TOTAL POSSIBLE POINTS |

Participation (PPP=Possible Participation Points)

Good participation is expected while in lab. You can earn up to 5 points per lab (3 points for doing the lab manual pages in class/actively participating throughout the class period, 1 point for doing the prelab on TopHat, and 1 point for doing the postlab on Tophat. During Review week, your PPP points will come from participating in the review in lab. The lab manual pages and TH work are meant to help you review for the

quizzes, PARs and practical exams. To receive full credit, you must put good effort forward to answer all portions of the lab manual pages. Late assignments will not be accepted unless the student has a university-related reason for late assignment or appropriate documentation.

Course Grading Scale

Use this scale to take your raw score (earned points) by the number of possible points (425) to see what grade you have in the course. Canvas grading is useful, but always use raw score points to determine your grade.

| Earned Points | Grade | Letter Grade |
|----------------------|--------------|---------------------|
| 383-425 | 90-100 | A |
| 369-382 | 87-89 | A- |
| 352-368 | 83-86 | B+ |
| 340-351 | 80-82 | B |
| 327-339 | 77-79 | B- |
| 310-326 | 73-76 | C+ |
| 297-309 | 70-72 | C |
| 284-296 | 67-69 | C- |
| 267-283 | 63-66 | D+ |
| 255-266 | 60-62 | D |
| 242-254 | 57-59 | D- |
| 000-238 | 0-56 | F |

Required Texts/Readings/Technology

Top Hat

This semester, we will be using the Top Hat digital learning platform to access the digital interactive textbook for this course.

If you already have a Top Hat account, go to the course within Canvas and click on any launch or deep link for Top Hat. If you are new to Top Hat, you will be prompted to create an account once you click on any launch or deep link for Top Hat.

We have a great orientation video and step-by-step walkthrough for you:

<https://success.tophat.com/s/article/Student-Top-Hat-Overview-and-Getting-Started-Guide>.

Please note you cannot create an account through mobile applications.

Text:

Exploring Anatomy and Physiology in the Laboratory, 4e, Digital/Print Hybrid
9781640435483

Quiz Policy

- Quizzes are worth 20 points.
- Four lab quizzes will be given. The lowest quiz will be dropped.
- Quizzes will be given on Canvas, using Lockdown Browser and Respondus. **If you do not have regular access to a computer that is compatible with Lockdown browser and Respondus, alternatives are available. Please communicate if you do not have regular access to a computer. It is your responsibility to be forthcoming and proactive in this regard. You will not be penalized, but alternatives will need to be utilized.**
- The quiz opens on Canvas the day of your enrolled lab time and closes the day after your enrolled lab at 11:59pm. Students are expected to find time to take the quiz outside of the lab time.
- **If you do not come to your enrolled lab slot, go to a makeup lab, or have documentation stating your absence, you will not be eligible to receive that week's quiz points. It will be a ZERO (even if you took the quiz and did well).**

Class Attendance Policy

- Attendance is **required and mandatory**. It is critical to your success in the course.
- You will receive no credit for your lab pages or the quiz if you do not stay for the entire lab.
- Punctuality is important and could seriously affect your grade. Please be on time for class.
- **If you are more than 15 minutes late, you have “missed” the lab and must attend another lab to be eligible for the quiz, and do the lab activities/fill in your lab manual. This policy is strictly enforced.**
- **If you know in advance that you will have a university-approved absence or require religious accommodations, contact the lab coordinator to make up the lab arrangements in advance (advance means AT LEAST one week prior to the lab you will miss).**

FAU Attendance Policy

Students are expected to attend all of their scheduled University classes and to satisfy all academic objectives as outlined by the instructor. The effect of absences upon grades is determined by the instructor, and the University reserves the right to deal at any time with individual cases of non-attendance. Students are responsible for arranging to make up work missed because of legitimate class absence, such as illness, family emergencies, military obligation, court-imposed legal obligations or participation in University-approved activities. Examples of University-approved reasons for absences include participating on an athletic or scholastic team, musical and theatrical performances and debate activities. It is the student's responsibility to give the instructor notice prior to any anticipated absences and within a reasonable amount of time after an unanticipated absence, ordinarily by the next scheduled class meeting. Instructors must allow each student who is absent for a University-approved reason the opportunity to make up work missed without any reduction in the student's final course grade as a direct result of such absence.

Religious Accommodations: Students who wish to be excused from coursework, class activities or examinations must notify the instructor in advance of their intention to participate in religious observation and request an excused absence.

MAKEUP LAB POLICY

To ensure your academic success, it is strongly advised that you attend as many labs as possible during the semester. You are only allowed to make up a lab by attending another section of the lab ONCE without written documentation (unexcused absence). Labs change every week so it is your responsibility to find a section to go to the week of your missed lab. Makeup lab sessions will be posted on Canvas or found on Banner.

If you miss your lab for the second time, you must have a university approved excused absence to make up the lab. In the case that you need to attend a second makeup lab, you must provide appropriate documentation as to why you are attending make-up lab (a University approved excuse – e.g. sickness, death in the immediate family, etc.) and gain permission from the lab coordinator. Without documentation for the second make up lab, you will not get credit for the quiz or your participation. **Depending on the situation (e.g., a documented COVID case), students may be granted permission to make up the lab virtually (doing the lab manual pages in the book in place of their in-class participation points for that week).**

If it is a religious or FAU-related activity, these are excused absences, but documentation will still need to be provided. You must have a university approved excused absence to go to a make-up lab more than TWICE (2) in the semester.

ALL STUDENTS MUST HAVE DOCUMENTATION TO MAKE UP AN EXAM or PRESENTATION.

Late Work and Incomplete (if applicable) Policy

Late work is not accepted without special permission from the lab coordinator (with documented reason). Online modules and quizzes stick to an opening and closing schedule as outlined on the syllabus and schedule. Modules and online quizzes are not re-opened without special permission from the lab coordinator, again with documentation and discretion.

The university has an incomplete policy. If you have a situation outside of your control and you are maintaining a passing grade at the time, you are eligible for an **incomplete**. You will receive an “I” until work is made up in a subsequent course at a pre-determined time. This process involves the student and lab coordinator communicating about the coursework remaining and a timeline to complete the work.

Counseling and Psychological Services (CAPS) Center

Life as a university student can be challenging physically, mentally and emotionally. Students who find stress negatively affecting their ability to achieve academic or personal goals may wish to consider utilizing FAU’s Counseling and Psychological Services (CAPS) Center. CAPS provides FAU students a range of services – individual counseling, support meetings, and psychiatric services, to name a few – offered to help improve and maintain emotional well-being. For more information, go to <http://www.fau.edu/counseling/>

Accessibility Policy

In compliance with the Americans with Disabilities Act Amendments Act (ADAAA), students who require reasonable accommodations due to a disability to properly execute coursework must register with Student Accessibility Services (SAS) and follow all SAS procedures. SAS has offices across three of FAU’s campuses – Boca Raton, Davie and Jupiter – however disability services are available for students on all campuses. For more information, please visit the SAS website at www.fau.edu/sas/.

SAS STUDENTS: PLEASE REACH OUT AS SOON AS POSSIBLE to coordinate about your accommodations. You (the SAS student) and the lab coordinator will have a meeting about your accommodations the first week of the semester or when you get approval for your accommodations by the SAS office. We only offer accommodations with SAS approved accommodation letters. We do not retroactively open past-due assignments/quizzes so it is to your advantage to go through the SAS office and work with the lab coordinator in a timely manner.

Code of Academic Integrity

Students at Florida Atlantic University are expected to maintain the highest ethical standards. Academic dishonesty is considered a serious breach of these ethical standards, because it interferes with the university mission to provide a high quality education in which no student enjoys an unfair advantage over any other. Academic dishonesty is also destructive of the university community, which is grounded in a system of mutual trust and places high value on personal integrity and individual responsibility. Harsh penalties are associated with academic dishonesty. For more information, see

<https://www.fau.edu/regulations/documents/chapter4/reg4-001-6-7-22.pdf>

Cheating is a serious offense and is considered an academic crime. There are many forms of cheating that include, but are not limited to copying from a neighbor, using notes or a crib sheet, and plagiarism. Students taking virtual quizzes or exams. If you are caught, you will be referred to the lab coordinator and the Dean of Students for the College of Science and charged with an academic crime. Consult the FAU honor code for details.

We will also be using Canvas online quizzes with Lockdown Browser and Respondus. Students must have a functional webcam/microphone.

Course Schedule

Typically, in lab:

1. You will sign in. If you show up late to lab (15 minutes late or more), you will have to make-up the lab.
2. TA will make announcements, lecture with a PowerPoint (available on Top Hat) and potentially review old material. If you don't understand something- ask!
3. You will then use the microscope, dissect and/or do another hands-on activity.
4. You must stay the entire lab to get points for that lab and to have your quiz count. If you leave early, you don't get any points for the lab and a 0 on the quiz.

**** During practical exams, the lab door will be locked. We will not allow anyone to enter the lab once the exam has begun, so plan to be on time for your practical.**

| Week | Dates | Topic | Quiz | Assignments and Announcements |
|------|-----------|---|------|---|
| 1 | 8/22-2/26 | Safety, Microscope Language of Anatomy Unit 1, Unit 3 Lab activities: Slides, hands-on learning | | Purchase lab materials. Sign up for Top Hat (TH) free trial/ enter access code. Aug 26- Last day to Add/Drop |

| | | | | |
|---|-----------|---|--|---|
| 2 | 8/29-9/2 | <p>The Cell Unit 4 Lab activities: Slides, hands-on learning</p> | <p>PAR 1: (10 points) *quiz opens on Monday at 12:01am and closes on Saturday at 11:59pm*</p> | <p>Aug 29-Last day to pay without late fee. TH: Post Lab Week 1 and Pre-labs (week 1 and 2) due before lab</p> |
| 3 | 9/5-9/9 | <p>Tissues – Unit 5 Lab activities: Slides, hands-on learning</p> | <p>Quiz 1 (20 points) *quiz opens on Canvas the day of lab and closes the day after lab at 11:59pm* PAR 2: (10 points) *quiz opens on Monday at 12:01am and closes on Saturday at 11:59pm*</p> | <p>LABOR DAY 9/5. University is closed. Monday lab students will have to sign up to attend another lab. Look out for a canvas announcement. Monday students quiz will open at 12:01am Tuesday and close 11:59pm on Wednesday for just this week. TH: Post Lab Week 2 and Week 3 prelab due before lab</p> |
| 4 | 9/12-9/16 | <p>Tissues/ Integumentary – Unit 5/ 6 Lab activities: Slides, hands-on learning</p> | <p>PAR 3: (10 points) *quiz opens on Monday at 12:01am and closes on Saturday at 11:59pm*</p> | <p>TH: Post Lab Week 3 and Week 4 prelab due before lab</p> |
| 5 | 9/19-9/23 | <p>Skeletal system – Unit 7 Lab activities: Slides, bones, hands-on learning</p> | <p>Quiz 2 (20 points) *quiz opens on Canvas the day of lab and closes the day after lab at 11:59pm* PAR 4: (10 points) *quiz opens on Monday at 12:01am and</p> | <p>Bones Activity Assigned. TH: Post Lab Week 4 and Week 5 prelab due before lab</p> |

| | | | | |
|----|-------------|---|--|--|
| | | | closes on Saturday at 11:59pm* | |
| 6 | 9/26-9/30 | Skeletal system – Unit 8 +9 Lab activities: bones, hands-on learning, VR Bonus Tissue/Skeletal Mini Review Game (5 bonus points) | PAR 5: (10 points) *quiz opens on Monday at 12:01am and closes on Saturday at 11:59pm* | TH: Post Lab Week 5 and prelab Week 6 due before lab |
| 7 | 10/3-10/7 | IN-PERSON* MIDTERM PRACTICAL during enrolled lab section time block. NO EXCEPTIONS. DO NOT BE LATE. This will be on material Week 1-6. Bones Activity Due on Canvas 10/8 at 11:59pm. | | |
| 8 | 10/10-10/14 | Muscles– Unit 11 Lab activities: slides, Cat dissection | PAR 6: (10 points) *quiz opens on Monday at 12:01am and closes on Saturday at 11:59pm* | TH: Week 8 prelab due before lab (will be worth 2 points since there is not Week 7 post lab) |
| 9 | 10/17-10/21 | Muscles– Unit 10 Lab activities: Cat dissection, VR | PAR 7: (10 points) *quiz opens on Monday at 12:01am and closes on Saturday at 11:59pm* | TH: Post lab Week 8 and Week 9 prelab due before lab Midterm Grades are due 10/18 so please be sure to check on your progress in this lab. |
| 10 | 10/24-10/28 | Muscles– Unit 10 Lab activities: Cat dissection Bonus Muscle Mini Review Game (5 bonus points) | PAR 8: (10 points) *quiz opens on Monday at 12:01am and closes on Saturday at 11:59pm* | Oct 28- Last Day to drop with a “W” TH: Post lab Week 9 and Week 10 prelab due before lab |

| | | | | |
|----|-------------|---|--|--|
| 11 | 10/31-11/4 | <p>Brain / Nervous – Unit 12, Unit 13, Unit 14 Lab activities: Slides, brain dissection, VR</p> | <p>Quiz 3 (20 points) *quiz opens on Canvas the day of lab and closes the day after lab at 11:59pm*</p> | <p>TH: Post lab Week 10 prelab Week 11 due before lab</p> |
| 12 | 11/7-11/11 | <p>Sensory – Unit 15 Lab activities: Slides, eye dissection, VR</p> | <p>Quiz 4 (20 points) *quiz opens on Canvas the day of lab and closes the day after lab at 11:59pm* PAR 9: (10 points) *quiz opens on Monday at 12:01am and closes on Saturday at 11:59pm*</p> | <p>Nov 11- Veteran's Day. University is closed. Friday lab students will have to sign up to attend another lab. Look out for a canvas announcement. TH: Week 11 Post lab and Week 12 prelab due before lab</p> |
| 13 | 11/14-11/18 | <p>In-Class Review PPP for this lab will come the Top Hat safety module from week 1. However, attendance in class is still expected. Practical Mini Review Game (5 bonus points)</p> | <p>PAR 10: (10 points) *quiz opens on Monday at 12:01am and closes on Saturday at 11:59pm*</p> | <p>REVIEW GRADES + CONTACT TA with QUESTIONS.</p> |
| 14 | 11/21-11/25 | <p>THANKSGIVING BREAK. No labs this week.</p> | | |
| 15 | 11/28-12/2 | <p>*IN-PERSON* FINAL PRACTICAL during enrolled lab section time block. NO EXCEPTIONS WITHOUT DOCUMENTATION. DO NOT BE LATE. This will be on material Week 8-12. *EVEN IF YOU GO ON VACATION FOR THANKSGIVING YOU MUST BE BACK FOR THIS EXAM.</p> | | |

