

## Bio 132: Human Biology

Glenn Fox

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Office: JM 112

Hours: TR 1-3:30, T 3:30-5:30, W 10-11, 3-4:30

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- **Text:** Human Biology 9th Ed., S.S. Mader
- **Lab Manual:** Photographic Atlas for the Anatomy & Physiology Laboratory 5th Ed., Van de Graaff & Crawley
- **Strongly Recommended Optional Materials:** Atlas and Dissection Guide for Comparative Anatomy, 6th Ed., Wischnitzer & Wischnitzer.

## Course Webpage

<http://personal.jccmi.edu/foxglennm>

\*click Bio 132

Check regularly for schedule updates, grades, announcements, supplemental materials, etc.

## Sources of Points:

Scheduled exams (4 @ 100 pts. each)

Unannounced quizzes (10 pts. each)

Laboratory grade (25 pts.)

Lab Practicals (3 @ 100 pts. each)

## Grading Scale:

4.0 (A)	95-100%;
3.5 (A-/B+)	90-94%;
3.0 (B)	85-89%;
2.5 (B-/C+)	80-84%;
2.0 (C)	75-79%;
1.5 (C-/D+)	70-74%;
1.0 (D)	65-69%;
0.5 (D-)	60-64%

## General Philosophy

- This should be somewhat fun
- This should also be a lot of work
- Time investment:
  - # credits x grade = # hours/week (outside)
  - e.g.:* 4 x 3.0 = 12 hours of homework / week
- You MUST take responsibility for YOUR grade
- Be realistic
- ATTEND LECTURE, READ, TAKE NOTES, REVIEW

## Tips & Tricks

- Find a time that works best for you to study
- Work on manageable tasks
- Set goals
- Schedule time to focus on class material
- Mental review
- Sleep, eat well, don't smoke (as much)
- Complete all assignments
- Be part of a study group
- Get help if needed

## First Homework

- some universally recognized format (Word, Powerpoint, HTML, etc)
- Your photo (come to office hours if need-be)
- Intro
- Goals (present and future)
- Plan of study for this class
- [http://personal.jecmi.edu/FoxGlennM/introductory\\_assignment.htm](http://personal.jecmi.edu/FoxGlennM/introductory_assignment.htm)

## Increasing knowledge

- Concept of the TEST
- Falsification versus Verification
- Objective truth

## Lab

- JM 101
- dissection mandatory
- lamprey, cats, plastinated human specimen, etc.
- must read Respect Policy (link on my webpage)

## Science

*scientias* (L) – knowledge  
*episteme* (G) – knowledge

Science is a process of acquiring knowledge.

But how?

## Scientific Method

1. observation
2. hypothesis
3. experiment
4. conclusion

## Science of Biology

- EVOLUTION as the central theory
- descent, with modification
- common ancestry
- COMPARATIVE METHOD