Wharton County Junior College

Administrative Master Syllabus

Course Information

Course Title	Human Biology
Course Prefix, Num. and Title	BIOL2404 Human Biology
Division	Life Sciences
Department	Biology
Course Type	Academic WCJC Core Course
Course Catalog Description	A specialized, single –semester course that introduces the study and function of human anatomy, including the neuroendocrine, integumentary, musculoskeletal, digestive, urinary, reproductive, respiratory and circulatory systems. (This course does not substitute for BIOL2401 or BIOL2402.)
Pre-Requisites	TSI ELAR (Reading and Writing) requirement met or concurrent enrollment in INRW 0300 or ENGL1301/NCBI0300
Co-Requisites	None

Semester Credit Hours

Total Semester Credit Hours (SCH): Lecture Hours: Lab/Other Hours	4:3:2
Equated Pay Hours	4.2
Lab/Other Hours Breakdown: Lab Hours	2 lab hours
Lab/Other Hours Breakdown: Clinical Hours	Enter Clinical Hours Here.
Lab/Other Hours Breakdown: Practicum Hours	Enter Practicum Hours Here.
Other Hours Breakdown	List Total Lab/Other Hours Here.

Approval Signatures

Title	Signature	Date
Department Head:	Jennifer Mahlmann Digitally signed by Jennifer Mahlmann Date: 2026.05.26 12:21:28 -05'00'	
Division Chair:	Kevin Dees Digitally signed by Kevin Dees Date: 2026.05.26 14:52:09 -05'00'	
VPI:	Leigh Ann Collins Digitally signed by Leigh Ann Collins Date: 2026.05.27 16:52:49 -05'00'	

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Additional Course Information

Topical Outline: Each offering of this course must include the following topics (be sure to include information regarding lab, practicum, and clinical or other non-lecture instruction).

Lecture Outline

1. Foundation of the Human Body
2. Covering, Support, and Movement of the Human Body
3. Regulation and Integration of the Human Body
4. Maintenance of the Human Body
5. Continuity of the Human Body

Lab Outline (a lab schedule detailing weekly lab exercises is maintained by the department)

1. Orientation, Organization and Anatomical Terms
2. Introduction to Microscopy, Cells, & Four Basic Tissue Types
3. Integumentary System
4. Skeletal System
5. Muscular System
6. Lymphatic System
7. Respiratory System
8. Urinary System
9. Nervous System
10. Endocrine System
11. Circulatory System
12. Digestive System
13. Reproductive System
14. Scientific Method

Course Learning Outcomes:

Learning Outcomes – Upon successful completion of this course, students will:

1. Describe the basic organization of the human body
2. Understand the connection between anatomy and physiology as related to the human body
3. Use anatomical terminology to identify and describe locations of major organs of each of the eleven (11) organ systems found in the human body.
4. Explain interrelationships among chemical, cellular, tissue, organ and organ system contributions in maintaining homeostasis in the human body.
5. Appropriately utilize laboratory equipment related to the study of the human body.
6. Work collaboratively to perform lab activities.
7. Understand the steps involved in the scientific method.
8. Communicate the results of scientific investigations, analyze data and formulate conclusions.

Methods of Assessment:

Lecture – Exams, quizzes, homework, and projects as appropriate.
Lab – Practical exams, quizzes, assignments, and group projects as appropriate.

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Required text(s), optional text(s) and/or materials to be supplied by the student:

Text (required): Thompson, Gale. S. *Understanding Anatomy & Physiology, A Visual, Auditory, Interactive Approach.* F.A. Davis Company. Current edition
Lab (required): Thompson, Gale. S. *Workbook to Accompany: Understanding Anatomy & Physiology, A Visual, Auditory, Interactive Approach.* F.A. Davis Company. Current edition.

Suggested Course Maximum:

Lecture - 36
Lab - 24

List any specific or physical requirements beyond a typical classroom required to teach the course.

Lab - standard biology lab with workspaces, electrical outlets and sinks

Course Requirements/Grading System: Describe any course specific requirements such as research papers or reading assignments and the generalized grading format for the course.

Lecture average		55%
Exam average (3-4 exams)	30-55%	
Other (homework, quizzes, projects, etc.)	0-25%	
Lab Average		25%
Lab practical exams (midterm and final)	25% each	
Daily grade (quizzes, assignments, etc.)	50%	
Final Exam (includes at least 50% comprehensive material)		20%
Total		100%

A -100-90%; B – 89-80%; C 79-70%; D – 69-60%; F- below 60%

Curriculum Checklist:

☐ **Administrative General Education Course** (from ACGM, but not in WCJC Core) – No additional documents needed.

☒ **Administrative WCJC Core Course** – Attach the Core Curriculum Review Forms

- ☒ Critical Thinking
- ☒ Communication
- ☒ Empirical & Quantitative Skills
- ☒ Teamwork
- ☐ Social Responsibility
- ☐ Personal Responsibility

☐ **WECM Course** – If needed, revise the Program SCANS Matrix and Competencies Checklist

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Core Curriculum Review Form

Foundational Component Area: Core 030: Life & Physical Science

Course Prefix & Suffix: BIOL2404

Core Objective:

Critical Thinking Skills—to include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information

Student Learning Outcome Supporting Core Objective:

For each core objective, there must be at least two different methods of assessment.

SLO Status	Student Learning Outcome (SLO)	Learning Activity	Assessment
Created by Department	Work collaboratively to perform lab activities.	Lab - students at a lab table work on an assignment, problem, or investigation.	Group lab activity, assignment, lab practical, lab quiz or post-test
Created by Department	Communicate the results of scientific investigations, analyze data and formulate conclusions.	Lab - students at a lab table work on an assignment, problem, or investigation.	Group lab activity, assignment, lab practical, lab quiz or post-test
Choose a SLO status.	Insert SLO (from Administrative Master Syllabi)	Provide a brief name and description of the sample learning activity.	Provide a brief name and description of the sample quiz, exam, rubric, assignment, etc. for assessing the objective.

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Core Curriculum Review Form

Foundational Component Area: Core 030: Life & Physical Science

Course Prefix & Suffix: BIOL2404

Core Objective:

Communication Skills—to include effective development, interpretation and expression of ideas through written, oral and visual communication

Student Learning Outcome Supporting Core Objective:

For each core objective, there must be at least two different methods of assessment.

SLO Status	Student Learning Outcome (SLO)	Learning Activity	Assessment
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Core Curriculum Review Form

Foundational Component Area: Core 030: Life & Physical Science

Course Prefix & Suffix: BIOL2404

Core Objective:

Empirical and Quantitative Skills—to include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions

Student Learning Outcome Supporting Core Objective:

For each core objective, there must be at least two different methods of assessment.

SLO Status	Student Learning Outcome (SLO)	Learning Activity	Assessment
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Core Curriculum Review Form

Foundational Component Area: Core 030: Life & Physical Science

Course Prefix & Suffix: BIOL2404

Core Objective:

Teamwork—to include the ability to consider different points of view and to work effectively with others to support a shared purpose or goal

Student Learning Outcome Supporting Core Objective:

For each core objective, there must be at least two different methods of assessment.

SLO Status	Student Learning Outcome (SLO)	Learning Activity	Assessment
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