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› Pearson Human Anatomy & Physiology Laboratory Manual: Making Connections, Main Version (ISBN: 0134746430)

## Pearson Main Version

# Human Anatomy & Physiology Laboratory Manual: Making Connections

**Brand:** Pearson | **Model:** Main Version | **Edition:** 2nd

## 1. INTRODUCTION

This manual, *Human Anatomy & Physiology Laboratory Manual: Making Connections, Main Version, 2nd Edition*, is designed for students enrolled in a two-semester Anatomy & Physiology (A&P) laboratory course. It aims to enhance student engagement, preparation, and application of concepts within the lab environment. Authored by Catharine Whiting, this manual employs an active learning approach, featuring a variety of hands-on activities and guided questions.

The 2nd Edition introduces new features such as "What You Need to Know Before You Start this Unit" sections and Pre-Lab Video Coaching Activities to ensure students are well-prepared for each lab session. It serves as a companion to Erin Amerman's *Human Anatomy & Physiology, 2nd Edition*, maintaining consistency in art program and terminology.

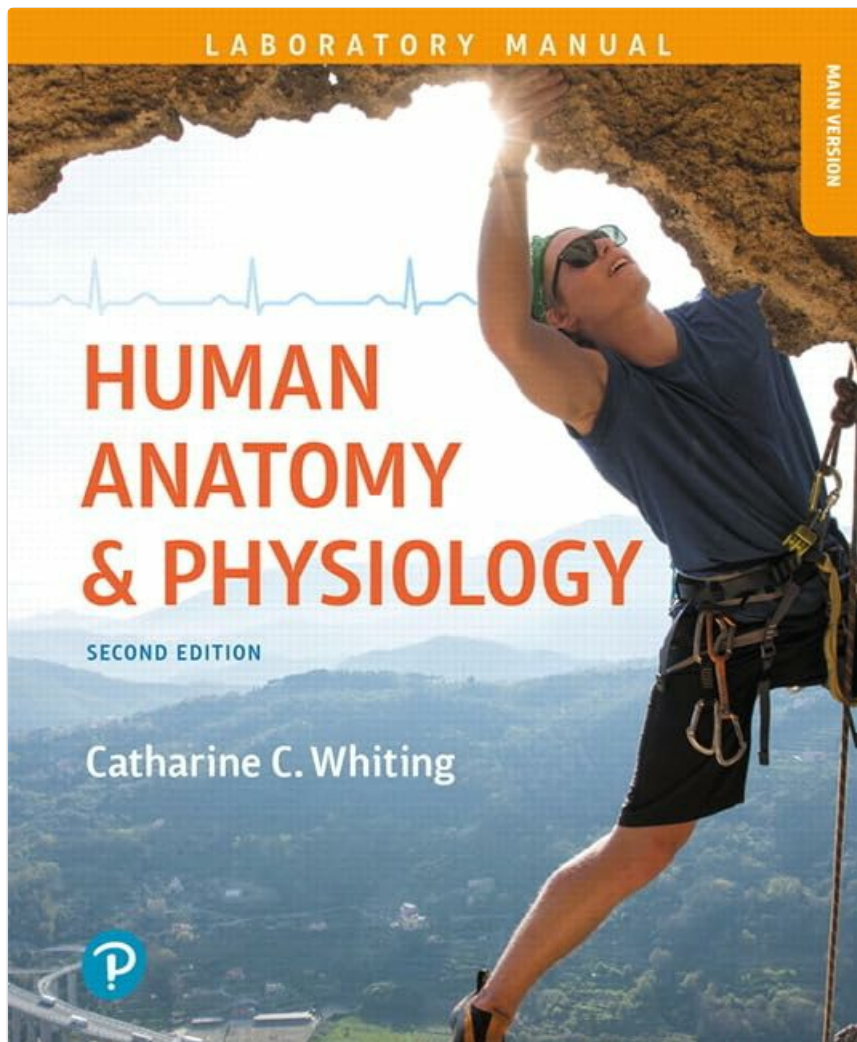


Image 1.1: Front cover of the Human Anatomy & Physiology Laboratory Manual: Making Connections, Main Version.

The manual is available in three versions: Main, Cat, and Fetal Pig. The Cat and Fetal Pig versions include additional dissection exercises specific to those specimens, while the core content remains consistent with the Main version.

## 2. SETUP AND PREPARATION

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Effective use of this laboratory manual requires proper preparation before each lab session. Follow these guidelines to maximize your learning experience:

- **Review "What You Need to Know Before You Start this Unit":** Each unit begins with a section outlining essential prior knowledge. Thoroughly review this content to ensure you understand foundational concepts before proceeding.
- **Complete Pre-Lab Video Coaching Activities:** Utilize the provided Pre-Lab Video Coaching Activities. These resources are designed to help you review necessary material and prepare for the practical aspects of the lab.
- **Access Mastering A&P (if applicable):** If your course includes Mastering A&P, ensure you have activated your access code and can log in. Familiarize yourself with the platform's interface and available tools.
- **Gather Lab Materials:** Consult your instructor or course syllabus for a list of required materials for each lab. This may include dissection tools, personal protective equipment, or specific stationery.
- **Organize Your Manual:** If using the loose-leaf version, place pages in a binder for easy organization and access during lab sessions.

### 3. OPERATING THE MANUAL AND MASTERING A&P

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This manual is designed for active learning. Engage with the content and integrated digital tools as follows:

- **Hands-on Activities and Guided Questions:** Actively participate in all hands-on activities. Use the guided questions to critically think about the concepts and observations. Record your findings and answers directly in the manual or as instructed by your educator.
- **Dissection Exercises:** If using the Cat or Fetal Pig versions, follow the detailed instructions for the respective dissection exercises. Pay close attention to safety protocols and proper handling of specimens.
- **Mastering A&P Integration:** Mastering A&P assignments complement the lab manual. These may include:
  - **Pre-Lab Video Coaching Activities:** Reinforce pre-lab preparation.
  - **Dissection Videos:** For Cat and Fetal Pig versions, these videos provide visual guidance.
  - **PAL 3.1 and Customizable Flashcards:** Utilize the Practice Anatomy Lab (PAL) for anatomical identification and flashcards for memorization.
  - **Learning Catalytics™:** Participate in interactive, in-class activities.
  - **A&P Flix 3D Muscle Animations:** Visualize muscle movements and anatomy in three dimensions.
  - **Art Labeling Questions and Clinical Application Questions:** Test your knowledge and apply concepts to clinical scenarios.
- **Review and Self-Assessment:** Regularly review completed activities and questions. Use the manual as a study guide for quizzes and exams.

### 4. MAINTENANCE AND CARE

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Proper care of your laboratory manual will ensure its longevity and usability throughout your course:

- **Physical Manual Care:** If you have the loose-leaf version, keep pages securely in a sturdy binder to prevent loss or damage. Avoid exposing the manual to liquids or extreme temperatures.
- **Digital Access Maintenance:** Keep your Mastering A&P login credentials secure and accessible. Ensure your internet connection is stable when accessing online resources. Regularly check for updates or announcements from Pearson regarding the platform.
- **Cleanliness:** Keep the manual clean. Avoid eating or drinking directly over the pages, especially during lab sessions where spills could damage content.
- **Storage:** Store the manual in a dry, cool place away from direct sunlight to prevent page yellowing or binding deterioration.

### 5. TROUBLESHOOTING

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Should you encounter issues while using the manual or accessing associated digital content, consider the following:

- **Mastering A&P Access Issues:**
  - Verify your internet connection.
  - Ensure your access code is correctly entered and activated.
  - Contact Pearson Support for technical assistance with the Mastering A&P platform.
- **Missing or Damaged Pages (Physical Manual):**
  - If the manual was purchased new and has manufacturing defects, contact the retailer or Pearson

customer service for a replacement.

- For used manuals, contact the seller or consider purchasing replacement pages if available.
- **Content Clarification:** If you have questions about specific content or exercises, consult your instructor or academic support resources.

## 6. SPECIFICATIONS

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## 7. WARRANTY AND SUPPORT

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