Allied Health and Sciences
Resource Manual
Forrest County Center
Learning Lab
Software Descriptions and Lessons
2012-2013
# Allied Health And Sciences
## Learning Lab Resource Manual
### Forrest County Center 2011-2012
### Software Descriptions and Lessons

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Software Descriptions and Lessons For Allied Health and All Sciences Medical Terminology 4th Edition A Short course (4 CD-ROMS)

Description: This edition contains new images of anatomical and Pathological terminology. Features such as Picture Show, Medical Scramble, and Medical Detective bring new relevance and reinforcement for students.

Lessons: Introduction to Body Systems. Appendix I includes the following five sections.

ANATOMY-shows full-color images of each body system, labeled for easy reference with combining forms for each body part.

TERMINOLOGY-repeats each combining form and gives a medical term illustrating the use of the combining form. Meanings are easily found in the Glossary of Medical Terms at the end of the book.

PATHOLOGY-presents explanations of disease conditions related to each body system.

DIAGNOSTIC AND TREATMENT PROCEDURES-explains and defines common examples for each system.
MATCHING EXERCISES-test your understanding of the material, with answers included.

REFERENCE GUIDE FOR MEDICAL AND HOSPITAL WORK. Appendix II is a list of Diagnostic Tests and Procedures. Appendix III contains Abbreviations, Symbols, and Acronyms that are in common use.
For Allied Health and All Sciences
A.D.A.M. Interactive Anatomy
(1 CD-ROM)

Description: This program contains the DISSECTIBLE ANATOMY, ATLAS ANATOMY, and 3D ANATOMY views.

This program also shows images for the following REGIONS of the anatomy:

- Head and Neck
- Upper Limb
- Body Wall and Back
- Thorax
- Abdomen
- Pelvis and Perineum
- Lower Limb

This program also shows images for SYSTEMS and includes the following:

- Cardiovascular
- Digestive
- Endocrine
- Immune
- Integumentary
- Lymphatic
- Muscular
- Nervous
- Reproductive
- Respiratory
- Skeletal
- Urinary
For Allied Health and All Sciences
A.D.A.M. Interactive Anatomy
(1 CD-ROM) continued

This program views the anatomy in the following:

- Anterior
- Posterior
- Lateral
- Medial
- Superior
- Inferior
- Nonstandard

The program also views the anatomy in the following:

- Illustration
- Cadaver Photograph
- Radiograph
For Allied Health and All Sciences
Easy Dental 2005 & Dental Scholar
(CD-ROM Pts 1-3)

Description: This is the updated version to Easy Dental 98/99 and Dental Scholar.

Lessons: PATIENTS-manages your patient’s demographic and insurance information.

ACCOUNTS-manages your patient’s accounts accurately detailing completed procedure costs, insurance claims, guarantor and insurance payments, as well as a running balance.

TREATMENT PLANS-this module lets you enter recommended procedures and then use the Estimator, as a unique case presentation program that displays the treatment plan costs in terms of primary and secondary insurance portions and the estimated patient’s portion.

SCHEDULE-the Schedule looks exactly a paper schedule the appointments blocked out in various colors signifying different providers. You have the ability to schedule appointments and accurately track Recall appointments, unscheduled appointments as well as ASAP appointments.

RECALL-allows you to effectively track and manage the recall system in your office. With a series of lists and the ability to customize patient settings, Recall will help with patient retention.

REPORTS-this module is where you generate informative reports, perform practice analysis functions, control most printing processes.
RX-WRITER-is where you can quickly create and track medicines prescribed for your patients.

CONTACTS-acts as a contact manager for your office.

DOCUMENTS-allows you to attach electronic documents and images to patients, insurance companies, providers, referrals, and employers.

DENTAL SCHOLAR-is a computer-based resource program. It was not created to replace training, but to enhance the initial training experience.
For Allied Health and All Sciences
MOSBY’S RADIOGRAPHIC
INSTRUCTIONAL CD-ROM SERIES

RADIOGRAPHIC PHYSICS:

Description: This program interacts with the student by asking questions at intervals and then providing feedback on the individual student’s responses. There are 8 modules in this series.

Lessons:
Module 1-General Principles
Module 2-Structures
Module 3-Electromagnetic Radiation
Module 4-Electrodynamics
Module 5-Electromagnetism
Module 6-Reectification
Module 7-X-Ray Tubes and Circuits
Module 8-Production and Characteristics of Radiation

RADIOBIOLOGY AND RADITATION PROTECTION:

Description: This program interacts with the student by asking questions at intervals and then providing feedback on the individual student’s responses. There are 8 modules in this series.

Lessons:
Module 1-Radiation Chemistry
Module 2-Cellular Radiation
Module 3-Systemic Radiation
Module 4-Genetic Effects
Module 5-Somatic Effects
Module 6-Radiation Detection
MOSBY’S RADIOGRAPHIC INSTRUCTIONAL CD-ROM SERIES
(continued)

Module 7-Patient Protection
Module 8-Radiographer Protection

RADIOGRAPHIC IMAGING:

Description: This program interacts with the student by asking questions at intervals and then providing feedback on the individual student’s responses. There are 8 modules in this series.

Lessons: Module 1-Radiographic Equipment
Module 2-Radiographic Density and Contrast
Module 3-Recorded Detail
Module 4-Distortion
Module 5-Beam Limitation and Filtration
Module 6-Technique Formation
Module 7-Exposure Selection
Module 8-Film Processing
CORECTEC’S COMPREHENSIVE SET REVIEW QUESTIONS RADIOGRAPHY
(site license-networked)

Description: Corectec’s 2001 review book contains 1,675 questions that simulate radiography examinations.

IMAGE PRODUCTION CHALLENGE:
Lessons:
1-Radiographic Accessories (70 questions)
2-Processing (56 questions)
3-Recorded Detail (44 questions)
4-Distortion (30 questions)
5-Density (36 questions)
6-Contrast (46 questions)
7-Technique Problems (42 questions)

PATIENT CARE CHALLENGE:
Lessons:
1-General Patient Care (64 questions)
2-Aseptic and Isolation Techniques (38 questions)
3-Vital Signs and Drugs (30 questions)
4-Basic Medical Terminology
5-Circulatory and Skeletal Diseases (54 questions)
6-Digestive and Urinary Diseases (34 questions)
7-Respiratory and Other Diseases (54 questions)
8-Venipuncture (25 questions)

PHYSICS CHALLENGE:
Lessons:
1-Fundamentals of Physics (36 questions)
2-Electricity (52 questions)
3-Magnetic Properties (50 questions)
4-Circuits (42 questions)
5-X-ray Tube (56 questions)
6-X-rays and Their Interactions (40 questions)
7-The Atom (26 questions)
CORECTEC’S COMPREHENSIVE SET OF REVIEW QUESTIONS FOR RADIOGRAPHY
(site license-networked) continued

8-Fluroscopy (30 questions)
9-Digital Imaging (30 questions)

RADIOGRAPHIC PROCEDURES CHALLENGE:
Lessons: 1-Positioning Terminology (26 questions)
2-Upper Extremities (74 questions)
3-Lower Extremities (62 questions)
4-Abdomen and Thorax (76 questions)
5-Vertebral Column and Pelvis (64 questions)
6-Abdominal Viscera (70 questions)
7-Skull and Facial Bones (82 questions)

RADIATION PROTECTION CHALLENGE:
Lessons: 1-Radiation Detections (62 questions)
2-Patient Protection (42 questions)
3-Personnel Protection (36 questions)
4-Radiation Biology (50 questions)
5-Effects of Radiation (40 questions)
6-Radiation Regulations (30 questions)

RADIOGRAPHIC CONTRAST MENU:
Lessons: 1-Introduction to Radiographic Contrast
2-The Relationship between Radiographic Contrast and Exposure Latitude
3-Radiographic Contrast’s “Controlling” Factor
4-The Affects of Scattered Radiation on Radiographic Contrast
CORECTEC’S COMPREHENSIVE SET OF REVIEW QUESTIONS FOR RADIOGRAPHY
(site license-networked) continued

RADIOGRAPHIC DENSITY MENU:
Lessons: 1-Introduction to Radiographic Density
2-Radiographic Density’s “Controlling: Factor
3-KVP’s Affect on Radiographic Density
4-SID’s Affect on Radiographic Density
5-Fog’s Detrimental Effects on Radiographic Density
6-Secondary Factors that Affect Radiographic Density

RADIOGRAPHIC QUALITY MENU:
Lessons: 1-Animation of the Factors that Control Sharpness of Detail
2-Animation of the Factors that Control Visibility of Detail
3-Arranging the Factors that Control Radiographic Quality
4-Definitions and Explanations of the Factors that Control Radiographic Quality
5-Graded Exercises

RADIOGRAPHY EXAM I
RADIOGRAPHY EXAM II
RADIOGRAPHY EXAM III
For Allied Health and All Sciences
ANATOMY AND PHYSIOLOGY:
MODULE SETS I, II, AND III
(CD-ROM 2 COPIES)

Description: This CD contains interactive tests for the Anatomy and Physiology materials. A description of each test is below:

The practice test is intended to be taken on the computer and gives the student immediate feedback on whether they answered the question correctly or incorrectly and keeps a running tall of total number correct and incorrect responses. A grade sheet is created at the end of the test as well so the instructor will have a record of the grade and what was missed. The grade sheet also shows the teacher the exact question that was missed by using a code that corresponds to the verify test.

The test without feedback works the same way as a practice test, however it does not give the student the immediate feedback. A grade sheet is created at the end of the test and should be printed out for the instructor to document student performance.

The print test file is provided as an option to allow printing for the student to take the test on paper.

The verify test is intended strictly for the teacher and gives a code for each question that allows the teacher to cross-reference which specific questions the student missed.
ANATOMY AND PHYSIOLOGY:
MODULE SETS I & II
(CD-ROM 2 COPIES)

Lessons: MODULE SET I: INTRODUCTION TO ANATOMY AND PHYSIOLOGY:
Module 1 Organization of the Human Body
Module 2 Biochemistry and Microbiology
Module 3 Infection, Immunology and Sanitation
Module 4 Tissues, Membranes, and Wound Healing

MODULE SET II: MAJOR BODY SYSTEMS:
Module 1 Integumentary System
Module 2 Skeletal System
Module 3 Muscular System
Module 4 Nervous System
Module 5 Endocrine System
Module 6 Special Senses
Module 7 Circulatory System Blood
Module 8 Circulatory System Cardiac
Module 9 Circulatory System Vascular
Module 10 Lymphatic System
Module 11 Respiratory System
Module 12 Digestive System
Module 13 Urinary System
Module 14 Reproductive System-Male
Module 14 Reproductive System-Female
INTRODUCTION TO SURGICAL TECHNOLOGY
(CD-ROM 2 COPIES)

Description: This CD contains interactive tests for the Anatomy and Physiology materials. A description of each test is below:

The practice test is intended to be taken on the computer and gives the student immediate feedback on whether they answered the question correctly or incorrectly and keeps a running tall of total number correct and incorrect responses. A grade sheet is created at the end of the test as well so the instructor will have a record of the grade and what was missed. The grade sheet also shows the teacher the exact question that was missed by using a code that corresponds to the verify test.

The test without feedback works the same way as a practice test, however it does not give the student the immediate feedback. A grade sheet is created at the end of the test and should be printed out for the instructor to document student performance.

The print test file is provided as an option to allow printing for the student to take the test on paper.

The verify test is intended strictly for the teacher and gives a code for each question that allows the teacher to cross-reference which specific questions the student missed.
INTRODUCTION TO SURGICAL TECHNOLOGY
(CD-ROM 2 COPIES) continued

Lessons:

Module 1A: Professional Responsibilities and Relations
Module 2A: Interpersonal Relationships and Communication Skills
Module 3A: Legal and Ethical Responsibilities
Module 1B: Environmental Safety
Module 2B: Workplace Safety
Module 1C: Introduction to Microbiology
Module 2C: Infection and Immunology
Module 3C: Wound Healing
Module 1D: Basic Math
Module 2D: Weights and Measurements
Module 3D: Syringes and Hypodermic Needles
Module 4D: Pharmacologic Agents
Module 5D: Anesthesia
Module 1E: Computer Skills
Module 2E: Electricity
Module 3E: Applied Physics
Module 4E: Robotics
**Description:** This CD contains interactive tests for the Anatomy and Physiology materials. A description of each test is below:

The practice test is intended to be taken on the computer and gives the student immediate feedback on whether they answered the question correctly or incorrectly and keeps a running tall of total number correct and incorrect responses. A grade sheet is created at the end of the test as well so the instructor will have a record of the grade and what was missed. The grade sheet also shows the teacher the exact question that was missed by using a code that corresponds to the verify test.

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The print test file is provided as an option to allow printing for the student to take the test on paper.

The verify test is intended strictly for the teacher and gives a code for each question that allows the teacher to cross-reference which specific questions the student missed.
Lessons:  
Module 1: General Surgery]  
Module 2: Obstetric and Gynecologic Surgery  
Module 3: Genitourinary Surgery  
Module 4: Ear, Nose and Throat Surgery  
Module 5: Ophthalmic Surgery  
Module 6: Plastic Surgery  
Module 7: Orthopedic Surgery  
Module 8: Neurosurgery  
Module 9: Thoracic Surgery  
Module 10: Cardiac Surgery  
Module 11: Peripheral Vascular Surgery  
Module 12: Pediatric Surgery  
Module 13: Trauma Surgery
Description: This CD contains interactive tests for the Anatomy and Physiology materials. A description of each test is below:

The practice test is intended to be taken on the computer and gives the student immediate feedback on whether they answered the question correctly or incorrectly and keeps a running total of total number correct and incorrect responses. A grade sheet is created at the end of the test as well so the instructor will have a record of the grade and what was missed. The grade sheet also shows the teacher the exact question that was missed by using a code that corresponds to the verify test.

The test without feedback works the same way as a practice test, however it does not give the student the immediate feedback. A grade sheet is created at the end of the test and should be printed out for the instructor to document student performance.

The print test file is provided as an option to allow printing for the student to take the test on paper.

The verify test is intended strictly for the teacher and gives a code for each question that allows the teacher to cross-reference which specific questions the student missed.
Lessons:

Module 1A: Principles of Aseptic Technique Module 2A: Scrubbing, Gowning and Gloving Module 3A: Sanitation, Sterilization and Disinfection Module 1B: Preoperative Routine and Related Nursing Procedures Module 2B: Care of Patients with Special or Complex Needs Module 3B: Positioning and Prepping Module 4B: Care of Specimens Module 1C: Duties of Surgical Team Module 2C: Surgical Environment of Equipment Module 3C: Instrumentation Module 4C: Sutures, Needles and Stapling Devices Module 5C: Sponges, Dressings, Packings and Counts Module 6C: Drainage Systems and Tubes Module 7C: Preparation and Draping of the Sterile Field
RADIOLOGIC ANATOMY
(CD-ROM 1 COPY)

Description: Radiologic Anatomy was designed and developed with the assistance of a medical student. This program is designed to help you remember things by showing them to you in different ways. Most of the anatomical structures are demonstrated on more than one film, and the students can see how the structure appears in different projections and modalities with a click of the mouse.

Lessons: “Leonardo” Screen-Introduction Screen. On this screen you can identify the anatomical region you wish to study.

“Region Overview” Screen-This screen allows you to choose the topic from a region you wish to study. On this screen you can also select Navigational Alternatives or Quizzing features.

“Topic Overview” Screen-This screen allows you to choose the anatomical structure you wish to study. Once a structure is selected you will be able to access its corresponding images.

“Self Evaluation Overview” Screen-This screen allows you to setup and generate quizzes. In addition, this screen lists right and wrong answers for the quiz.
AN EVIDENCE BASED REVIEW OF SODIUM BICARBONATE AS AN ORAL CARE AGENT

(CD-ROM 1 COPY)

Description: This CD-ROM is divided into 4 segments: Case Studies, Sodium Bicarbonate White Paper, Educational Presentation, and Reference Resources.

Lessons: Case Study 1-Gingival Recession
Case Study 2-Restoration
Case Study 3-Oral Malodor
Case Study 4-Extrinsic Stain
Case Study 5-Periodontal Patient
Case Study 6-Dental Implants
THE CARIES PROCESS AND PREVENTION STRATEGIES
(CD-ROM 1 COPY)

Description: A recent Institutes of Medicine report challenged the field of dentistry to change its procedure-oriented paradigm and to focus instead on developing lifelong learners. This program responds to that challenge by integrating recent research in the field of dental caries with interactive learning techniques. It is the result of creative collaboration among oral health scientists, opinion leaders, and dental educators. The goal of this CD-ROM is to stimulate dialogue on dental caries that will help us in our preventive, diagnostic, and therapeutic decision-making.

Lessons:

Epidemiology of Caries and Its Prevalence in the Population

Host protective Mechanisms of the Oral Cavity and the Role of Nutrition

Pathophysiology of Stages of Dental Caries, including Demineralization and Remineralization

Intervention and Prevention Strategies and the Role of Fluoride

Risk Assessment Techniques and Patient Education
**PC-KITS**  
(CD-ROM 1 COPY)

**Description:** VHI PC Kits is a sophisticated, yet easy-to-use program for managing patient exercise information. It can provide a comprehensive record of treatments and exercises for each patient, organized by therapist.

**Lessons or Features:**

- **Therapist Management Options**
  - Separate Data by Therapist
  - Clinic Manager Can Delete Any Data
  - Print Therapist Name on Printouts

- **Patient Name Preference**
  - Use Friendly Name Ordering
  - Show Account Number

- **Other Preference Settings**
  - Start Maximized
  - Show Current Exercise
  - Show List in Language
  - Exercise Routine Selections

**Covers:**

- Activities of Daily Living
- Aquatic Exercises
- Pediatric Functional Activity and Exercise
- Early Functional Activity and Exercise
Description: This product is a comprehensive resource for diagnosing and remediating students’ basic skills. The student program component of the Assignment and Tracking System gives students easy access to a variety of educational activities.

Lessons:
- Science Series I
- Life Science Pretest
- The Cell I & II
- Quiz
- Mechanisms of Change
- Classification
- Life Processes I & II
- Genetics
- Animal Life
- Plant
- Life Science Posttest

- Physical Science
- Physical Science Pretest
- Measurements
- Matter Periodic
- Table States of
- Matter Chemical
- Reactions Quiz
- Energy
- Force and Motion
Lessons:

Sound
Light and Illumination
Physical Science Posttest

Earth Science
Earth Science Pretest
The Universe
The Solar System
The Atmosphere
Weather and Climate
Oceans
Water
Dynamic Earth Rocks
and Mineral Earth
Science Posttest

Science II Series
Biology Pretest
Cell Structure and Functions
Cellular Processes
Genetics
Classification and Diversity
Plant Life
Quiz
Animal Life
Humans I & II
Microbes & Disease
Biology Posttest
For Allied Health and All Sciences
SKILLS BANK V
(continued)

Chemistry
Chemistry Pretest
Matter
Measurements in Chemistry
Molecules and Compounds
States of Matter I & II
Quiz
Nonmetals
Metals
Energy
Reactions
Chemistry Posttest

Physics
Physics Pretest
Motion
Force
Momentum
Work and Mechanical Energy
Thermal Energy
Quiz
Waves II
Optics
Electricity
Physics Posttest
Diet Analyst+ Version 8.0
(CD-Rom 2 copies)

Description: The most extensive data base ever provides over 20,000 easy-to-find foods, including most common foods, popular brands, regional favorites, international foods, and vegetarian options.

“How Big is a Serving” tips, based on the MYPYRAMID recommendations, are linked on the screen where students need help.

Trans Fats included the most up-to-date information available, and are displayed in all reports.

MyPyramid values include the latest USADA updates, and show actual intake in all categories, including Discretionary calories.

The 3-Day Average Wizard let you print the most common assignment in one step.
For Allied Health and All Sciences
MISCELLANEOUS SOFTWARE

*PharmAssist: The Family Guide to Health and Medicine
   2 copies
*Resume Express: The Multimedia Guide
   1 copy

*Stedman’s Plus Spellchecker, Version 5.0 (Medical Dictionary)
   1 copy
*Stedman’s Plus Spellchecker, Version 6.0 (Medical Dictionary)
   1 copy
*Presenter (Question Designer) BIOLOGY TESTS
   Arthropods
   Biochemistry
   Biomes
   Biosphere
   Blood
   Cell Structure and Function
   Cellular Respiration
   Classification of Living Things
   Enzymes
   Food Chains and Webs
   From DNA to Protein
   Fungi
   Genetic Engineering
   Immunity
   Invertebrates
   Investigating Heredity
   Meiosis
   Mitosis
   MLT Mock Exams 1-9
   Photosynthesis
   Plasma Membrane
   Population Ecology
MISCELLANEOUS SOFTWARE

(Presenter continued)

Protista
Roots and Stems
The Earthworm Dissection
The Leaf
Viruses and Bacteria
ADA STATEMENT

If you have a disability that qualifies under the Americans with Disabilities Act and you require special assistance or accommodations, you should contact the designated coordinator for your campus for information on appropriate guidelines and procedures: Poplarville Campus, Tonia Moody at 601-403-1060 or tmoody@prcc.edu; Forrest County Center, Deborah Hewitt at 601-554-5503 or dhewitt@prcc.edu; Hancock Center, Maggie Smith at 228-467-2761 or masmith@prcc.edu. Distance Learning Students who require special assistance, accommodations, and/or need for alternate format should contact Tonia Moody at 601-403-1060 or tmoody@prcc.edu.