**Health Science Career Cluster**

**Allied Health and Medicine Course**

**Course Number: 25.43700**

**Directions: For Healthcare Science Industry Certification Evaluations**

**Teachers will select three standards from each course.**

**Teachers should select the three standards that they feel are most critical for each Course and showcase those Georgia Standards of Excellence (GSE)/ Georgia Performance Standards (GPSs). GSE/GPS and Each Element will be addressed, showcasing the Course. You, of course teach all the Standards and Elements in the Course, but the teacher has an opportunity to showcase their teaching methods for the students to learn and be evaluated on each Element of the Standard. Minimally, it will include Planning (Lesson Plan: Lists the Standards and the Elements. Teacher will use the format used by the school), Teaching (Student activities - as listed in each standard and element – each addressed as written), and Evaluation (Student evaluations – as listed in each Standard and Element) showing that students have learned the standards and elements as written – at those levels.**

**The teacher will provide required documentation.**

**The evaluator will identify that the minimal documentation is shown.**

**(1). Lesson Plan with GSE/GPS and Elements listed;**

**(2) A sample of a completed Student Work for that GSE/GPS and Elements; and**

**(3) A sample of a completed Student Evaluation for that GSE/ GPS and Elements**

**for each of the three standards chosen.**

**The Teacher will Highlight the Standards (total of 3) Chosen at the 1st of the school year to showcase and include the documentation needed.**

**The teacher will self-check sections as they set up/” files” on the web site to ensure that all documents needed are in place and set up in order to easily be found/seen by the evaluators.**

**The Evaluators use these forms.**

**The 3 boxes to the left of the Elements can be used to check-off (1) that a Lesson Plan has each of the Elements listed, (2) Each Element is shown in Student Work, and (3) Each Element is shown in the Student Evaluation(s)**

**Then, if all are noted/seen, then check the one box showing that all elements, as listed, were found on the Lesson Plan(s); all Elements are addressed through Student Activities; and all Elements are addressed for the Student Evaluation, the Boxes below can be checked off, and the page signed by the Evaluator.**

**Lesson Plan (The Standard and all Elements are listed.)**

**Completed Student Work noted (All standards and Elements addressed as listed.)**

**Completed Student Evaluation forms noted (All standards and Elements addressed.)**

**The Teacher will print off and provide these forms for their use to set up the website sections (POS and Courses), for the Self-Study evaluators (team to review materials before Application is submitted, and for the Evaluators on the On-Site Evaluation Team.**

**Health Science Career Cluster**

**Allied Health and Medicine Course**

**Course Number: 25.43700**

**Course Description:**

This course is designed to offer students (preferably upper classmen - juniors or seniors) the opportunity to become effective and efficient multi-skilled healthcare providers as they develop a working knowledge of various allied health opportunities. Students focusing on a career path in the healthcare field may apply classroom/lab knowledge and skills in the clinical setting as they participate in direct or simulated client care. The curriculum allows instructors to provide options for classroom/student growth opportunities in area(s) of interest to the student. These options may be determined by community need, available resources, and/or student interest, etc. This course was developed according to a basic 50-minute class time frame, but may be adjusted according to local system schedules. Instructors may select which classroom content standards 1-14 best meet his/her individual classroom needs in addition to the required clinical/capstone project to equal total class time available for the course.

# Clinical site or classroom/lab simulated experience

This component of Allied Health is designed to give students practical application of previously studied knowledge and skills. These experiences can occur in a variety of locations (including classroom lab) appropriate to the student’s level of experience and availability of community resources as determined by the instructor. These exercises should be designed to enhance and supplement the above standards. Appropriate permission from school, parents, and the facility as well as other documentation requirements (such as transportation), and facility requirements (such as student insurance) must be adhered to and arranged.

*Any Healthcare Science course that includes a clinical component (excluding a shadowing experience field trip) must adhere to identified guidelines under (WBL) work-based learning (available at* [*ctae.gadoe.org*](http://ctae.gadoe.org/) *under WBL manual). Training for the Healthcare Science teacher on these guidelines will be provided.*

# Allied Health Capstone Project

Research academic requirements for a professional career of interest.

1. Create a plan for academic achievement in a chosen field.
2. Present career interest project (HOSA career health display could be used as an example.).
3. Update personal portfolio to include: 1. resumes; 2. listings of technical skill competencies mastered for the chosen career field as developed by the instructor; 3. community service learning experiences (approved); and 4. reflection essays of the overall course and the student’s career choice. The prerequisite for this course is Introduction to Healthcare Science and Essentials of Healthcare.

# Course Standard 1

### HS-AHM-1 The following standard is included in all CTAE courses adopted for the Career Cluster/Pathways. Teachers should incorporate the elements of this standard into lesson plans during the course. The topics listed for each element of the standard may be addressed in differentiated instruction matching the content of each course. These elements may also be addressed with specific lessons from a variety of resources. This content is not to be treated as a unit or separate body of knowledge but rather integrated into class activities as applications of the concept.

**Standard 1: Demonstrate employability skills required by business and industry.**

The following elements should be integrated throughout the content of this course.

* 1. **Communicate effectively through writing, speaking, listening, reading, and interpersonal abilities**.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Person-to-Person Etiquette** | **Telephone and Email Etiquette** | **Cell Phone and Internet Etiquette** | **Communicating At Work** | **Listening** |
| Interacting with Your Boss | Telephone Conversations | Using Blogs | Improving Communication Skills | Reasons, Benefits, and Barriers |
| Interacting with Subordinates | Barriers to Phone conversations | Using Social Media | Effective Oral Communication | Listening Strategies |
| Interacting with Co-workers | Making and Returning Calls |  | Effective Written Communication | Ways We Filter What We Hear |
| Interacting with Suppliers | Making Cold Calls |  | Effective Nonverbal Skills | Developing a Listening Attitude |
|  | Handling Conference Calls |  | Effective Word Use | Show You Are Listening |
|  | Handling Unsolicited Calls |  | Giving and Receiving Feedback | Asking Questions |
|  |  |  |  | Obtaining Feedback |
|  |  |  |  | Getting Others to Listen |

|  |  |  |  |
| --- | --- | --- | --- |
| **Nonverbal Communication** | **Written Communication** | **Speaking** | **Applications and Effective Résumés** |
| Communicating Nonverbally | Writing Documents | Using Language Carefully | Completing a Job Application |
| Reading Body Language and mixed Messages | Constructive Criticism in Writing | One-on-One Conversations | Writing a Cover Letter |

|  |  |  |  |
| --- | --- | --- | --- |
| Matching Verbal and Nonverbal communication |  | Small Group Communication | Things to Include in a Résumé |
| Improving Nonverbal Indicators |  | Large Group Communication | Selling Yourself in a Résumé |
| Nonverbal Feedback |  | Making Speeches | Terms to Use in a Résumé |
| Showing Confidence Nonverbally |  | Involving the Audience | Describing Your Job Strengths |
| Showing Assertiveness |  | Answering Questions | Organizing Your Résumé |
|  |  | Visual and Media Aids | Writing an Electronic Résumé |
|  |  | Errors in Presentation | Dressing Up Your Résumé |

**Lesson Plan (The Standard and all Elements are listed.)**

**Completed Student Work noted (All standards and elements addressed as listed)**

**Completed Student Evaluation forms noted (All standards and elements addressed as listed)**

* 1. **Demonstrate creativity by asking challenging questions and applying innovative procedures and methods.**

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| --- | --- |
| **Teamwork and Problem Solving** | **Meeting Etiquette** |
| Thinking Creatively | Preparation and Participation in Meetings |
| Taking Risks | Preparation and Participation in Meetings |
| Building Team Communication | Conducting Two-Person or Large Group Meetings |
|  | Inviting and Introducing Speakers |
|  | Facilitating Discussions and Closing |
|  | Preparing Visual Aids |
|  | Virtual Meetings |

**Lesson Plan (The Standard and all Elements are listed.)**

**Completed Student Work noted (All standards and elements addressed as listed)**

**Completed Student Evaluation forms noted (All standards and elements addressed as listed)**

* 1. **Exhibit critical thinking and problem solving skills to locate, analyze and apply information in career planning and employment situations.**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Problem Solving** | **Customer Service** | **The Application Process** | **Interviewing Skills** | **Finding the Right Job** |
| Transferable Job Skills | Gaining Trust and Interacting with Customers | Providing Information, Accuracy and Double Checking | Preparing for an Interview | Locating Jobs and Networking |
| Becoming a Problem Solver | Learning and Giving Customers What They Want | Online Application Process | Questions to Ask in an Interview | Job Shopping Online |
| Identifying a Problem | Keeping Customers Coming Back | Following Up After Submitting an Application | Things to Include in a Career Portfolio | Job Search Websites |
| Becoming a Critical Thinker | Seeing the Customer’s Point | Effective Résumés: | Traits Employers are Seeking | Participation in Job Fairs |
| Managing | Selling Yourself and the Company | Matching Your Talents to a Job | Considerations Before Taking a Job | Searching the Classified Ads |
|  | Handling Customer Complaints | When a Résumé Should be Used |  | Using Employment Agencies |
|  | Strategies for Customer Service |  |  | Landing an Internship |
|  |  |  |  | Staying Motivated to Search |

**Lesson Plan (The Standard and all Elements are listed.)**

**Completed Student Work noted (All standards and elements addressed as listed)**

**Completed Student Evaluation forms noted (All standards and elements addressed as listed)**

* 1. **Model work readiness traits required for success in the workplace including integrity, honesty, accountability, punctuality, time management, and respect for diversity.**

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| --- | --- | --- | --- | --- |
| **Workplace Ethics** | **Personal Characteristics** | **Employer Expectations** | **Business Etiquette** | **Communicating at Work** |
| Demonstrating Good Work Ethic | Demonstrating a Good Attitude | Behaviors Employers Expect | Language and Behavior | Handling Anger |

|  |  |  |  |  |
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| Behaving Appropriately | Gaining and Showing Respect | Objectionable Behaviors | Keeping Information Confidential | Dealing with Difficult Coworkers |
| Maintaining Honesty | Demonstrating Responsibility | Establishing Credibility | Avoiding Gossip | Dealing with a Difficult Boss |
| Playing Fair | Showing Dependability | Demonstrating Your Skills | Appropriate Work Email | Dealing with Difficult Customers |
| Using Ethical Language | Being Courteous | Building Work Relationships | Cell Phone Etiquette | Dealing with Conflict |
| Showing Responsibility | Gaining Coworkers’ Trust |  | Appropriate Work Texting |  |
| Reducing Harassment | Persevering |  | Understanding Copyright |  |
| Respecting Diversity | Handling Criticism |  | Social Networking |  |
| Making Truthfulness a Habit | Showing Professionalism |  |  |  |
| Leaving a Job Ethically |  |  |  |  |

**Lesson Plan (The Standard and all Elements are listed.)**

**Completed Student Work noted (All standards and elements addressed as listed)**

**Completed Student Evaluation forms noted (All standards and elements addressed as listed)**

* 1. **Apply the appropriate skill sets to be productive in a changing, technological, diverse workplace to be able to work independently and apply team work skills.**

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| **Expected Work Traits** | **Teamwork** | **Time Management** |
| Demonstrating Responsibility | Teamwork Skills | Managing Time |
| Dealing with Information Overload | Reasons Companies Use Teams | Putting First Things First |
| Transferable Job Skills | Decisions Teams Make | Juggling Many Priorities |
| Managing Change | Team Responsibilities | Overcoming Procrastination |
| Adopting a New Technology | Problems That Affect Teams | Organizing Workspace and Tasks |
|  | Expressing Yourself on a Team | Staying Organized |
|  | Giving and Receiving Constructive Criticism | Finding More Time |
|  |  | Managing Projects |
|  |  | Prioritizing Personal and Work Life |
|  |  |  |

**Lesson Plan (The Standard and all Elements are listed.)**

**Completed Student Work noted (All standards and elements addressed as listed)**

**Completed Student Evaluation forms noted (All standards and elements addressed as listed)**

* 1. **Present a professional image through appearance, behavior and language.**

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| **On-the-Job Etiquette** | **Person-to-Person Etiquette** | **Communication Etiquette** | **Presenting Yourself** |
| Using Professional Manners | Meeting Business Acquaintances | Creating a Good Impression | Looking Professional |
| Introducing People | Meeting People for the First Time | Keeping Phone Calls Professional | Dressing for Success |
| Appropriate Dress | Showing Politeness | Proper Use of Work Email | Showing a Professional Attitude |
| Business Meal Functions |  | Proper Use of Cell Phone | Using Good Posture |
| Behavior at Work Parties |  | Proper Use in Texting | Presenting Yourself to Associates |
| Behavior at Conventions |  |  | Accepting Criticism |
| International Etiquette |  |  | Demonstrating Leadership |
| Cross-Cultural Etiquette |  |  |  |
| Working in a Cubicle |  |  |  |

**Support of CTAE Foundation Course Standards and Common Core GPS and Georgia** **Performance Standards**

**L9-10RST 1-10 and L9-10WHST 1-10:**

Common Core ELA/Literacy standards have been written specifically for technical subjects and have been adopted as part of the official standards for all CTAE courses. Additional Common Core ELA/Literacy standards for Speaking and Listening are listed in the foundational course standards below.

**Lesson Plan (The Standard and all Elements are listed.)**

**Completed Student Work noted (All standards and elements addressed as listed)**

**Completed Student Evaluation forms noted (All standards and elements addressed as listed)**

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| **Course Standard 2** |
| **HS-AHM-2**  **Research advanced technical skills in respiratory care. Respiratory Services (500 minutes)** |
| * 1. Review scope of practice for respiratory services.   2. Identify normal and abnormal respiratory effort.   3. Correctly apply pulse oximeter for measurement of oxygen saturation, and recognize the difference between normal and abnormal readings.   4. Observe medical personnel assisting clients with respiratory management devices such as nasal cannula, simple oxygen mask, Venturi mask, non-rebreath, nasopharyngeal airway (NPA), oropharyngeal airway (OPA), and tracheostomy.      * 1. Demonstrate proper technique and use of bag mask ventilation (AMBU) on a manikin. |

**Lesson Plan (The Standard and all Elements are listed.)**

**Completed Student Work noted (All standards and elements addressed as listed)**

**Completed Student Evaluation forms noted (All standards and elements addressed as listed)**

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| **Course Standard 3** |
| **HS-AHM-3**  **Analyze advanced technical skills within the imaging services field. Imaging Services (450 minutes)** |
| * 1. Review scope of practice for imaging services.   2. Differentiate between the types and functions of diagnostic imaging techniques, including the following:      + Computer-Assisted Tomography (CAT)      + Magnetic Resonance Imaging (MRI)      + Positron Emissions Tomography (PET)      + Ultrasound imaging      + X-Rays      + Arrhythmia monitoring      + Pulmonary monitoring      + Obstetrical/neonatal monitoring      * 1. Examine the types of medical information/records each diagnostic imaging technique generates including:      + Computer-Assisted Tomography (CAT)      + Magnetic Resonance Imaging (MRI)      + Positron Emissions Tomography (PET)      + Ultrasound Imaging      + X-Rays      + Arrhythmia monitoring      + Pulmonary monitoring      + Obstetrical/neonatal monitoring   2. Discuss the impact of new technology on diagnostic imaging techniques and treatments. |

**Lesson Plan (The Standard and all Elements are listed.)**

**Completed Student Work noted (All standards and elements addressed as listed)**

**Completed Student Evaluation forms noted (All standards and elements addressed as listed)**

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| **Course Standard 4** |
| **HS-AHM-4** |
| **Research advanced technical skills in the surgical services field to include nutrition and fluid intake, elimination, and ostomy and wound care. Surgical services (1350 minutes)** |
| * 1. Review scope of practice for surgical services.      * 1. Demonstrate measurement of fluid intake and output to include documentation.      * 1. Observe IV site for signs/symptoms of infiltration and report findings to the nurse.      * 1. Describe variations in wounds and methods for reporting.      * 1. Describe pain associated with wounds and techniques for assessing, reporting, and managing pain.      * 1. Show donning and removing of surgical garments to include gown, mask, sterile gloves, and eyewear (if needed).      * 1. Exhibit techniques for application of sterile dressings, bandages, and binders to include documentation.      * 1. Demonstrate creating and maintaining of sterile field.      * 1. Identify various surgical instruments.      * 1. Demonstrate packaging of equipment for sterilization.     **Lesson Plan (The Standard and all Elements are listed.)**  **Completed Student Work noted (All standards and elements addressed as listed)**  **Completed Student Evaluation forms noted (All standards and elements addressed as listed)** |

**Course Standard 5**

**HS-AHM-5**

**Perform advanced technical skills within rehabilitation services. Rehabilitation Services (900 minutes)**

* 1. Review scope of practice for rehabilitation services.

* 1. Describe types and management of clients with immobilization devices.

* 1. Set up clients correctly in special devices for promoting mobility and circulation.

* 1. Demonstrate proper use of rehabilitation devices (transfer belt, cane, crutches, and walker).

* 1. Explain the care and use of prosthetic and orthotic devices.

* 1. Demonstrate techniques for applying hot and cold treatments to include documentation.

**Lesson Plan (The Standard and all Elements are listed.)**

**Completed Student Work noted (All standards and elements addressed as listed)**

**Completed Student Evaluation forms noted (All standards and elements addressed as listed)**

**Course Standard 6**

**HS-AHM-6**

**Perform advanced technical skills within pharmaceuticals. Pharmacy Services (500 minutes)**

* 1. Review scope of practice for pharmacy services.

* 1. Describe the origin of various types of drugs, comparing and contrasting each source type.

* 1. Compare the mechanism of action of drugs.
  2. Explain how drugs are grouped into therapeutic classes.
  3. Compare and contrast the advantages and disadvantages of different routes of drug administration.
  4. Describe the four major processes of pharmacokinetics.
  5. Demonstrate the ability to convert units within and among the metric household and apothecaries systems.
  6. Calculate basic medication dosages.

**Lesson Plan (The Standard and all Elements are listed.)**

**Completed Student Work noted (All standards and elements addressed as listed)**

**Completed Student Evaluation forms noted (All standards and elements addressed as listed)**

# Course Standard 7

## HS-AHM-7

**Perform advanced technical skills within dietary services. Dietary Services (450 minutes)**

* 1. Review scope of practice for dietary services.
  2. Develop a clinical nutrition plan on a selected diagnosis, including rationale of dietary modification.
  3. Compare the six groups of essential nutrients, including functions and sources.
  4. Create a sample daily menu using the five major food groups and recommendations.
  5. Use the body mass index graph to determine an individual's BMI.
  6. Calculate an individual's daily required caloric intake to maintain current weight.
  7. Describe and explain the purposes of at least eight therapeutic diets.

**Lesson Plan (The Standard and all Elements are listed.)**

**Completed Student Work noted (All standards and elements addressed as listed)**

**Completed Student Evaluation forms noted (All standards and elements addressed as listed)**

# Course Standard 8

## HS-AHM-8

**Research the field of Complementary and Alternative Medicine (CAM) to include, but not limited to, such practices as chiropractic care, acupuncture, reflexology, massage therapy, homeopathic medicine, aromatherapy, and stress reduction techniques.**

**Complementary and Alternative Medicine (450 minutes)**

* 1. Review scope of practice for CAM services.
  2. Describe the type and purpose of CAM.
  3. Connect "real world" applications of CAM use and the integration into health care and health promotion.
  4. Demonstrate the proper technique for performing lower arm massage and safety precautions taken during the procedure.

**Lesson Plan (The Standard and all Elements are listed.)**

**Completed Student Work noted (All standards and elements addressed as listed)**

**Completed Student Evaluation forms noted (All standards and elements addressed as listed)**

# Course Standard 9

## HS-AHM-9

**Perform advanced technical skills within mental health services. Mental Health Services (450 minutes)**

* 1. Review scope of practice for mental health services.
  2. Differentiate the careers in the mental health services.
  3. Distinguish the types of mental health illnesses.
  4. Compare types of anxiety and mood disorders and discuss treatment.
  5. Investigate how substance abuse pertains to mental illness.
  6. Compare mental health services within the home care setting versus the clinical setting.

**Lesson Plan (The Standard and all Elements are listed.)**

**Completed Student Work noted (All standards and elements addressed as listed)**

**Completed Student Evaluation forms noted (All standards and elements addressed as listed)**

# Course Standard 10

## HS-AHM-10

**Research public health services and epidemiology, utilizing** [**www.cdc.gov**](http://www.cdc.gov/) **as the primary source. Public Health and Epidemiology (1350 minutes)**

* 1. Review scope of practice for public health and epidemiology services.
  2. Identify and describe the core areas that comprise public health.
  3. Explain the responsibilities of each core area in public health.
  4. Discuss and analyze public health’s ethical principles.
  5. Explain how public health professionals tracked and identified the AIDS virus.
  6. Discuss the importance of education in public health.
  7. Describe the basic steps epidemiologists take when investigating an outbreak.
  8. Define and give examples of emerging and re-emerging of infectious diseases.
  9. Explain why infectious diseases are still one of the leading causes of death worldwide.

* 1. Analyze at least ten of the world’s most common infectious diseases.
  2. Examine available technology to combat infectious disease in developing countries.

**Lesson Plan (The Standard and all Elements are listed.)**

**Completed Student Work noted (All standards and elements addressed as listed)**

**Completed Student Evaluation forms noted (All standards and elements addressed as listed)**

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| **Course Standard 11** |

## HS-AHM-11

**Perform advanced technical skills within medical office services. Medical Office Assistant (2250 minutes)**

* 1. Review scope of practice for medical office services.
  2. Perform procedures related to administrative office skills, including:
     + Managing patient accounts, writing receipts, and balancing accounts
     + Writing checks
     + Scheduling appointments
     + Answering phone calls
     + Completing insurance claims to include diagnostic coding for reimbursement, and
     + Managing electronic health care records.

* 1. Perform procedures related to back office skills, including:
     + Physical and history:
       - List procedures that are typically performed before a general physical examination. o Demonstrate the procedure for conducting a patient history interview.
       - Demonstrate techniques used in the measurement of weight, height and vital signs of adult, children and infants.

* + - Suture/staple removal:
      * Describe the special surgical procedures performed in an office setting.
      * Identify the instruments used in minor surgery and describe their functions. o Compare and contrast the procedures for medical and surgical asepsis in

minor surgery.

* + - * Analyze the Medical Office Assistant’s (MOA) duties in preparing a patient for minor surgery.
      * Describe the types of local anesthetics for minor surgery and the MOA’s role in their administration.
      * Summarize the MOA’s duties in the postoperative period.
      * Demonstrate the correct procedure for suture and staple removal.

* + - Assisting with physical examinations:
      * Summarize the MOA’s role in preparing the examination room.
      * Describe the importance of such factors as temperature, lighting, and ventilation in setting up the examination room.
      * Outline the steps necessary to prepare the patient for an examination.
      * Identify, arrange, and prepare instruments and supplies used in a general physical examination.
      * Demonstrate how to position and drape a patient in each of the common examination positions.
      * Explain how to eliminate hazards to physical safety in the examination room.

* + - Hearing and vision screenings:
      * Describe ways to detect vision problems.
      * Analyze how vision and hearing changes with the aging process. o List the types of hearing loss.
      * Explain the procedures for screening and diagnosing vision and hearing problems.
      * Compare and contrast various treatments for vision and hearing disorders. o Explain how patients can be educated about preventive ear and eye care.

**Lesson Plan (The Standard and all Elements are listed.)**

**Completed Student Work noted (All standards and elements addressed as listed)**

**Completed Student Evaluation forms noted (All standards and elements addressed as listed)**

**Course Standard 12**

**HS-AHM-12**

**Perform advanced technical skills within medical laboratory services using simulated equipment based on school, county, and facility protocol. Medical Laboratory Services**

**(900 minutes)**

* 1. Review scope of practice for medical laboratory services.
  2. Simulate the process of obtaining blood glucose samples correctly (per county policy), recording, and reporting findings to the nurse. Review scope of practice for medical laboratory services.
  3. Simulate techniques for collecting urine and stool specimens including documentation. Simulate the process of obtaining blood glucose samples correctly (per county policy), recording, and reporting findings to the nurse.
  4. Simulate proper procedure for capillary blood tests.
  5. Identify and simulate basic techniques for venipuncture procedures.

**Lesson Plan (The Standard and all Elements are listed.)**

**Completed Student Work noted (All standards and elements addressed as listed)**

**Completed Student Evaluation forms noted (All standards and elements addressed as listed)**

# Course Standard 13

## HS-AHM-13

**Perform advanced technical skills within cardiology services. Cardiology Services (450 minutes)**

* 1. Review scope of practice for allied health careers in Cardiology Services.
  2. Compare and contrast normal sinus, bradycardia, tachycardia, and asytole rhythms by evaluating manual or digital rhythm strips.
  3. Set up the client and apply leads for EKG or cardiac monitoring correctly.
  4. Contrast between EKG and Echocardiogram procedures and the diagnostic capacity of each.

**Lesson Plan (The Standard and all Elements are listed.)**

**Completed Student Work noted (All standards and elements addressed as listed)**

**Completed Student Evaluation forms noted (All standards and elements addressed as listed)**

# Course Standard 14

## HS-AHM-14

**Perform advanced technical skills within emergency services. Emergency Services (2250 minutes)**

* 1. Review scope of practice for emergency services.
  2. Identify and demonstrate first aid procedures for the following:
     + poisoning
     + bleeding wounds
     + shock
     + burns
     + heat and cold exposure
     + bone injuries
     + sudden illness [CVA (Cerebrovascular Accident ), heart attack, fainting, seizures, and diabetic reactions]
     + specific injuries (ear, eye, head, spine, chest, abdominal, and genital)

* 1. Perform scene size-up and initial assessment.
  2. Perform rapid trauma and focused assessment.

**Lesson Plan (The Standard and all Elements are listed.)**

**Completed Student Work noted (All standards and elements addressed as listed)**

**Completed Student Evaluation forms noted (All standards and elements addressed as listed)**

Course Standard 15

**HS-AHM-15**

**Perform advanced technical skills within dentistry services. Dentistry (900 minutes)**

* 1. Review the scope of practice for dentistry services.
  2. Identify and describe the structures and the anatomy of a tooth.
  3. Identify and explain teeth using the universal/national numbering system and the federation Dentaire international system.
  4. Chart conditions of the teeth.
  5. Identify dental instruments and prepare dental trays.
  6. Demonstrate brushing and flossing techniques.

**Lesson Plan (The Standard and all Elements are listed.)**

**Completed Student Work noted (All standards and elements addressed as listed)**

**Completed Student Evaluation forms noted (All standards and elements addressed as listed)**