Springfield Technical Community College

**ACADEMIC AFFAIRS**

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| Course Number: | CLLS 155 | Department: | Clinical Laboratory Sciences |
| Course Title: | Clinical Experience III | Semester: | Spring | Year: | 2012 |

**Competencies/Objectives**

| **Competencies** | **Course Objective** |
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| 1. Students will demonstrate professionalism in appearance, behavior, attitude and skills while on clinical affiliation.2. Upon conclusion of the Specimen Processing clinical experience the student will have a through knowledge of the department functions and be able to complete the following assigned tasks according to established laboratory protocols within the specified time of the rotation.3. Upon conclusion of the Advanced Phlebotomy clinical experience the student will have a thorough knowledge of the department functions and be able to perform and/or demonstrate comprehension of the following assigned tasks according to established laboratory protocols within the specified time of the rotation.  4. Upon conclusion of the Waived Testing clinical experience the student will have a thorough knowledge of various waived testing procedures and be able to perform and/or demonstrate comprehension of the following assigned tasks according to established laboratory protocols within the specified time of the rotation | * Students will demonstrate proper professional appearance by being neatly groomed and adhering to departmental dress codes.
* Students will maintain a rigid attendance policy in which there are only excused absences or tardiness.
* Students will demonstrate honesty by always being accountable for their actions and notifying supervisors in the event of an error.
* Students will demonstrate workload organization by maintaininga clean and orderly work area, properly documenting procedures and following oral and/or written directions.
* Students will communicate (verbally and nonverbally) effectively, courteously and appropriately in the workplace.
* Students will demonstrate the ability to work in a team and value diversity.
* Students accept constructive criticism as a part of the learning process.
* Students will show respect for authority and the hierarchy within the laboratory.
* Students will demonstrate appropriate professional attitudes and behavior and perform assigned tasks with interest and enthusiasm.
* Students will demonstrate knowledge and proper performance of **all** safety, infection control and confidentiality practices and policies in compliance with federal, state, and local mandates while working within the laboratory.
* Use common medical terminology associated with specimen processing.
* Demonstrate knowledge of and adhere to safety practices by complying with federal, state, and local mandates regarding safety using OSHA Universal Precaution Standards.
* Use prescribed procedures to handle electrical, chemical, biological and fire hazards.
* Describe the difference between whole blood, serum and plasma.
* Follow written Standard Operating Procedures and verbal instructions in carrying out specimen processing procedures for the following types of specimens:
	+ Routine
	+ Chain of Custody
	+ Irreplaceable specimens
* Uses prescribed procedures to aliquot specimens for various laboratory tests.
* Follow operating procedures for labeling, transportation, and processing of specimens for in-house and reference laboratory specimens.
* Maintain confidentiality of privileged information about patients in accordance with HIPAA.
* Properly uses the information systems necessary in order to accomplish job functions.
* Identify and report potential pre-analytical errors that may occur during specimen collection, labeling, transportation and processing to include: proper identification and labeling, identification of source, expiration of collection equipment and specimen stability.
* List and apply criteria that would lead to rejection or recollection of a patient sample.
* Perform all affective behaviors regarding safety and professionalism to at least a 73% criterion.
* Use common phlebotomy terminology as it relates to the clinical laboratory environment
* Describe the difference between whole blood, serum, plasma, platelets and cryoprecipitate.
* Identify and use blood collection equipment.
* Identify the additive by the evacuated tube color.
* Identify and properly use equipment needed to collect blood by venipuncture and capillary (skin) puncture.
* According to Standard Operating Procedures:
	+ collect blood specimens by venipuncture using winged infusion system and/or syringe system
	+ collect blood specimens by capillary (skin) puncture
	+ collect timed blood specimen draws
	+ collect blood culture specimens
* Identify special precautions necessary during blood collections by venipuncture and capillary (skin) puncture.
* List and apply the criteria that would lead to rejection or recollection of a patient sample.
* Identify and report potential pre-analytical errors that may occur during specimen collection, labeling, transporting and processing.
* Follow standard operating procedures for labeling and transport of specimens.
* Describe and follow the criteria for specimens and test results that will be used as legal evidence.
* According to standard operating procedures, perform donor screening.
	+ Complete donor medical/social history.
	+ Complete measurement of donor temperature.
	+ Complete donor hemoglobin measurement.
	+ Complete blood pressure measurement.
	+ Perform donor pulse rate.
	+ Recognize and report abnormal values for vital sign measurements using predetermined criteria.
* Perform unit collection procedures as defined by established regulations.
	+ Follow the procedure for donor identification.
	+ Follow the proper skin preparation procedure and describe its importance.
	+ Perform donor collection, donor assessment during and after collection and troubleshooting actions for inadequate blood flow and donor reaction.
* Maintain confidentiality of privileged information on individuals in accordance with HIPAA.
* Use information systems necessary to accomplish job functions.
* Use common terminology as it relates to the waived testing, point-of-care or clinical laboratory environment.
* **For each** departmental waived test(s) appropriate for performance by clinical laboratory assistant level,students will:
* Prepare, store and dispose of specimens for testing according to standard operating procedures.
* Determine suitability of specimens for clinical chemistry procedures related to:
	+ the test requested
	+ appropriate patient preparation/method of collection
	+ time of collection/processing
	+ storage
	+ hemolysis/lipemia, interfering substances
* Assemble/prepare reagents, standards and controls for tests.
* Perform test according to Standard Operating Procedures.
* Record results using pre-determined criteria by manual method or computer according to laboratory protocol.
* Report STAT results of completed tests according to laboratory protocol.
* Recognize critical values and follow established protocol regarding reporting.
* Recognize technical testing errors for each test performed.
* Follow established quality control procedures specific to tests, including maintenance and instrument calibration.
* Identify and report control results that do not meet pre-determined criteria.
* Maintain inventory control and supplies for clinical chemistry tests.
* Use information systems necessary to accomplish job functions.
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