

SPRINGFIELD TECHNICAL COMMUNITY COLLEGE

ACADEMIC AFFAIRS

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| Course Number: CLLS 421 | Department: Clinical Laboratory Science |
| Course Title: Clinical Practicum II | Semester: Spring Year: 2014 |

Competencies/ Objectives

| Competencies | Course Objective |
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| 1. Students will demonstrate professionalism in appearance, behavior, attitude and skills while on clinical affiliation. | <ul style="list-style-type: none">▪ 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 dependability by notifying on campus instructor of tardiness and/or 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 maintaining a clean and orderly work area, properly documenting procedures and following oral and/or written directions.▪ Students will communicate (verbally and nonverbally) effectively and courteously in the workplace and demonstrate the ability to work in a team.▪ 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 practice all safety, infection control and |

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| <p>2. Upon completion of the chemistry rotation, the student will have an understanding and thorough knowledge of the department and complete the assigned tasks in the specified time of the rotation.</p> | <p>confidentiality while working within the laboratory.</p> <ul style="list-style-type: none">▪ Describe specimen requirements for all tests performed within the department.▪ Demonstrate an understanding of the theories and/or principles employed in the major procedures or protocols within the department.▪ Demonstrate an understanding and knowledge of principles and operational procedures used for instrumentation/automation in the department.▪ Interpret standard operating procedures for all tests performed within the department.▪ Process and log in acceptable specimens for chemical analysis.▪ Properly perform pipetting procedures used in this department.▪ Follow standard operating procedures and perform all major procedures/tests performed within this department.▪ Perform unknown specimens on the major department procedures/tests with 95% accuracy when compared with results obtained by an experienced technologist.▪ Properly operate the major instrumentation within the department.▪ Perform the maintenance and identify troubleshooting procedures on the major instrumentation used within the department.▪ Determine stability and outdates of departmental reagents.▪ Perform appropriate quality control and quality assurance for all procedures.▪ Recognize normal and abnormal results (reference intervals) according to the standards of the particular laboratory.▪ Maintain legible and accurate records.▪ Recognize implausible results. |

| Competencies | Course Objective |
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| <p>3. Upon completion of the immunology rotation, the student will have an understanding and thorough knowledge of the department and complete the assigned tasks in a reasonable amount of time. Perform Immunologic tests on Clinical Specimens.</p> | <ul style="list-style-type: none"> ▪ Describe specimen requirements for all tests performed within the department. ▪ Demonstrate an understanding of the theories and/or principles employed in the major procedures or protocols within the department. ▪ Demonstrate an understanding and knowledge of principles and operational procedures used for instrumentation/automation in the department. ▪ Interpret standard operating procedures for all tests performed within the department. ▪ Process and log in acceptable specimens for immunological analysis. ▪ Follow standard operating procedures and perform all major procedures/tests performed within this department. ▪ Perform unknown specimens on the major department procedures/tests with 95% accuracy when compared with results obtained by an experienced technologist. ▪ Properly operate the major instrumentation within the department. ▪ Perform the maintenance and identify troubleshooting procedures on the major instrumentation used within the department. ▪ Determine stability and outdates of departmental reagents. ▪ Perform appropriate quality control and quality assurance for all procedures. ▪ Recognize normal and abnormal results (reference intervals) according to the standards of the particular laboratory. ▪ Maintain legible and accurate records. ▪ Recognize implausible results. |

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| <p>4. Upon completion of the microbiology rotation, the student will have an understanding and thorough knowledge of the department and complete the assigned tasks in a reasonable amount of time.</p> | <ul style="list-style-type: none"> ▪ Describe specimen requirements for all tests performed within the department. ▪ Demonstrate an understanding of the theories and/or principles employed in the major procedures or protocols within the department. ▪ Interpret standard operating procedures for all tests performed within the department. ▪ Demonstrate an understanding and knowledge of principles and operational procedures used for instrumentation/automation in the department. ▪ Log in microbiology specimens and prepare them for culture and microscopic studies. ▪ Select proper media and prepare specimens for bacteriological studies. ▪ Perform proper techniques in inoculating and sub-culturing of microbiological specimens. ▪ Accurately evaluate biological culture plates for normal flora and pathogens. ▪ Perform and properly interpret all staining procedures used in this department. ▪ Follow standard operating procedures and perform all major procedures/tests performed within this department. ▪ Perform unknown specimens on the major department procedures/tests with 95% accuracy when compared with results obtained by an experienced technologist. ▪ Properly operate the major instrumentation within the department. ▪ Perform the maintenance and identify troubleshooting procedures on the major instrumentation used within the department. |

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| | <ul style="list-style-type: none">▪ Determine stability and outdates of departmental reagents.▪ Perform appropriate quality control and quality assurance for all procedures.▪ Recognize normal and abnormal results (reference intervals) according to the standards of the particular laboratory.▪ Maintain legible and accurate records.▪ Recognize implausible results. |