الرقـــــــم:

التـاريـــــخ: /   /   ١٤هـ

المرفقات:

المملكة العربية السعودية
وزارة الــتـعـلـيـــــــــم
جـامـعــــة نـجــــران
كلية العلوم الطبية التطبيقية

NAJRAN UNIVERSITY
جامعة نجران

قسم علوم المختبرات الاكلينيكية

Updated clinical laboratory sciences program learning outcomes:

By the end of the study program, the graduates should be able to:

Knowledge and understanding:

1- Show understanding comprehension in the technical, procedural, and problem-solving elements of the underlying scientific principles of laboratory testing.

2- Explain the significance of appropriate test selection, the reasons for inconsistent test findings, test result variances, and the relationship between abnormal data and pathologic conditions.

Skills:

1- Perform efficiently across the entire spectrum of clinical laboratory tests in all relevant areas of clinical laboratories.

2- Identify and troubleshoot pre-analytical, analytical, and post-analytical components of the testing process.

3- Play a role in the improvement and assessment of new test systems and interpretative algorithms

4- Illustrate scientific literacy by finding, interpreting, critically analyzing, scientific literature to advise decision making for the benefit of the expertise network and the patient community.

5-Applying successfully academic methodologies and terminology to enhance the communications of the medical laboratory services.

Values:

1- Meet safety and governmental guidelines in clinical laboratory science.

2- Apply knowledge of the principles and practices necessary to support the education, training, and supervision of clinical laboratories to enhance the efficient organization of the workplace.

الرقـــــم:

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Agreement between graduated Attributes and learning outcomes.

Graduated Attributes	Learning outcomes
GA1: Maintain the professional performance according with ethics in code of conduct in field of clinical laboratory sciences	K1- Show understanding comprehension in the technical, procedural, and problem-solving elements of the underlying scientific principles of laboratory testing. K2- Explain the significance of appropriate test selection, the reasons for inconsistent test findings, test result variances, and the relationship between abnormal data and pathologic conditions.
GA2 Has the responsibility to pursue lifelong learning activity for the sake professional development.	S1- Perform efficiently across the entire spectrum of clinical laboratory tests in all relevant areas of clinical laboratories. S2- Identify and troubleshoot pre-analytical, analytical, and post-analytical components of the testing process. S3- Play a role in the improvement and assessment of new test systems and interpretative algorithms
GA3 Participating efficiently in any clinical laboratory research/activities that would have great impact on the health care community within the frame of the national goals.	S4- Illustrate scientific literacy by finding, interpreting, critically analyzing, scientific literature to advice decision making for the benefit of the expertise network and the patient community.
GA4 Possess the knowledge and skills to function at an optimal level in various health care setting.	V1- Meet safety and governmental guidelines in clinical laboratory science.

Dr.Osman Elnoubi
Quliaty unit supervisor

Dr.Omer Mohamed Shoaib
10/10/2023