

Planning and Quality Assurance Affairs

Form (A)

**Course Specifications**

**General Information**

<b>Course name</b>	Practical Clinical Chemistry(2)
<b>Course number</b>	AMSL4127
<b>Faculty</b>	
<b>Department</b>	
<b>Course type</b>	Major Needs
<b>Course level</b>	4
<b>Credit hours (theoretical)</b>	0
<b>Credit hours (practical)</b>	1
<b>Course Prerequisites</b>	

**Course Objectives**

1 - The student should train how to apply safety rules and handling hazar materials in medical lab. also the must fameiarize the basic techniques of mesusing pateint samples. and how to use lab. facilities and instruments , and finally how to write medical reports.
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**Intended Learning Outcomes**

<b>Knowledge and Understanding</b>	<ul style="list-style-type: none"> <li>* Knowing safety rules and other lab tools.</li> <li>* Identify hazardous samples</li> <li>* Use lab. facilities and other tools.</li> <li>* Knowing quality control inside the lab.</li> <li>* Write medical reports.</li> <li>* Decide suitable samples for true analysis</li> <li>* Gain knoledge about different methods of mesuring blodd and other body fluids samples</li> <li>* Communicate with other medical staff regarding the obtained results</li> </ul>
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**Course Contents**

<ol style="list-style-type: none"> <li>1 - Mesuring blood glucose and possibly glycosylate hemoglobin</li> <li>2 - Mesuring triglycerides, cholesteroll, HDL, LDL</li> <li>3 - Mesuring blood iron, transferrin, TIBC</li> <li>4 - Assessing pancreatic and gastrointestinal function upon avilability on reagents</li> </ol>
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**Teaching and Learning Methods**

1 - Experiments will be done in groups for known values and comparing stuedents results with true values
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**Students Assessment**

<u>Assessment Method</u>	<u>TIME</u>	<u>MARKS</u>
Quizes and reports		30%
Final Exam	End of term	70%

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**Books and References**

Course note	Wendy Arneson and Jean Brickell . (2007) Clinical Chemistry A Laboratory Perspective. ISBN-10: 0-8036-1498-5
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