

## The University of Jordan School of Engineering Industrial Engineering Department 1<sup>st</sup> 2020/2021

Course code: Credits hours  Contact hours/room:    Eng. Lamees Al-Durgham	Course name:	Measurements lab					
Course instructor's name, E-mail, and phone:  Course Coordinator:  Text book:  Course Description:  Providing Department:  Industrial Engineering  Prerequisite Course:  Method  Assessment Methods:  Reports + quizzes  Mid Exam Final Exam  After successful completion of this course, the student will be able to  An ability to function effectively on a team through conducting experiment and writing report.  An ability to conduct experiment  Course Learning Outcomes:  Course Learning Outcomes:  Course Learning Outcomes:  Eng. Lamees Al-Durgham  Laddurgham@ju.edu.jo  22942	Course code:	0906442					
Eng. Lamees Al-Durgham   Laldurgham@ju.edu.jo   22942	Credits hours	1 credit hours					
Course Instructor's name, E-mail, and phone:    Laldurgham@ju.edu.jo   22942	Contact hours/room:						
E-mail, and phone:    Course Coordinator:	Course instructor's name						
Course Coordinator:  Text book:  Course Description:  Experiments on alignment, angular measurements, diameters, surface roughness, out of roundness, screw, gears, thermocouples and oscilloscope.  Providing Department:  Industrial Engineering  Prerequisite Course:  Course type  Laboratory  Method  Weight %  Date  Assessment Methods:  Reports + quizzes  Mid Exam  Final Exam  40%  #  After successful completion of this course, the student will be able to  An ability to function effectively on a team through conducting experiment and writing report.  An ability to conduct experiment related to linear and angular  related to linear and angular  measurements, strain gauge, autocollimator, threads, and thermometers.	*	<u>l.aldurgham@ju.edu.jo</u>					
Course Description:   Experiments on alignment, angular measurements, diameters, surface roughness, out of roundness, screw, gears, thermocouples and oscilloscope.	, -	22942					
None   Experiments on alignment, angular measurements, diameters, surface roughness, out of roundness, screw, gears, thermocouples and oscilloscope.   Providing Department:	<b>Course Coordinator:</b>						
Course Description:  Experiments on alignment, angular measurements, diameters, surface roughness, out of roundness, screw, gears, thermocouples and oscilloscope.  Providing Department:  Industrial Engineering  Prerequisite Course:  O906441  Course type  Laboratory  Method  Weight %  Date  Reports + quizzes  30%  Weekly report  Mid Exam  Final Exam  40%  #  After successful completion of this course, the student will be able to  An ability to function effectively on a team through conducting experiment and writing report.  An ability to conduct experiment  related to linear and angular  measurements, strain gauge, autocollimator, threads, and thermometers.	Text book:	Lab manual					
roughness, out of roundness, screw, gears, thermocouples and oscilloscope.  Providing Department: Industrial Engineering  Prerequisite Course: 0906441  Course type Laboratory  Method Weight % Date  Reports + quizzes 30% Weekly report  Mid Exam 30% Final Exam 40%  # After successful completion of this course, the student will be able to  An ability to function effectively on a team through conducting experiment and writing report.  An ability to conduct experiment related to linear and angular  roughness, out of roundness, screw, gears, thermocouples and oscilloscope.  Method Weight % Date  SO  Assessment Methods:  # After successful completion of this course, the student will be able to  An ability to function effectively on a team through conducting experiment and writing report.  An ability to conduct experiment related to linear and angular  related to linear and angular  measurements, strain gauge, autocollimator, threads, and thermometers.	Other reference(s):	None					
Providing Department:  Industrial Engineering  Prerequisite Course:  O906441  Course type    Method   Weight %   Date	Course Description:	-	_				
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Final Exam  # After successful completion of this course, the student will be able to  An ability to function effectively on a team through conducting experiment and writing report.  An ability to conduct experiment related to linear and angular related to linear and angular  2 measurements, strain gauge, autocollimator, threads, and thermometers.	<b>Assessment Methods:</b>	1			Weekly report		
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autocollimator, threads, and thermometers.			_		6		
thermometers.							
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Analyze and interpret results, and draw			Analyze and interpret results, and draw				
		3	proper conclusions.		6		
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Brief list of topics	Week #	Topic
	1	Introduction

	2	Linear measurements				
	3	Block gauges				
	4	Angular measurements				
	5	Thread measurements				
	6	Surface roughness				
	7	Autocollimator				
	8	Strain gauge				
	9	RTD, thermistor, thermocouples.				
		<ul> <li>Do not hesitate to ask questions</li> <li>You are required to bring a notebook and take notes in classes.</li> </ul>				
Important Notes:	<ul> <li>Student response tec., description of the found signing for the faculty 15% of that an end of the faculty 15% of the f</li></ul>	<ul> <li>You are required to bring a notebook and take notes in classes.</li> <li>Students are expected to attend every class session and they are responsible for all material, announcements, schedule changes, etc., discussed in class.</li> <li>Discuss the assignments among yourselves</li> <li>Don't Cheat; direct copying of others work will NOT be allowed or tolerated and will result in a reduction of grade. If you are found to be cheating in any way, on an exam or assignment, even signing the roll sheet for another student, you will be given an "F" for the course. There will be no exceptions.</li> <li>All cases of academic dishonesty will be handled in accordance with university policies and regulations. JU policy requires the faculty member to assign ZERO grade (F) if a student misses 15% of the classes that are not excused, and 20% of the classes that are excused</li> <li>Students are expected to be ready to take a quiz any time they have a class. There will be no make-up quizzes or home works.</li> <li>Any students with disabilities who need accommodations in this course are encouraged to speak with the instructor as soon as possible to make appropriate arrangements for these accommodations.</li> </ul>				