Date	Day	Time	Lecture Topics	Tutorial	Quiz
July, 31	Sunday	8:30-11:30	Introduction to Nanotechnology, Part 1 Presenting the course assignments, t MOODLE environment, and relevan resources of information		1
August, 1	Monday	8:30-11:30	Introduction to Nanotechnology, Part 2	Guided reading and working on Open- ended question 1	2
August, 2	Tuesday	8:30-11:30	Introduction to Sensors' Science and Technology	<i>Open-ended question 1</i> completion and submission	3
August, 3	Wednesday	8:30-11:30	Metal Nanoparticles-based Sensors (3 hours)		4
August, 7	Sunday	8:30-11:30	Quantum Dots Sensor	Guided reading and working on Mini Project	5
August, 8	Monday	8:30-11:30	Nanowire-based Sensors	working on Mini Project	6
August, 9	Tuesday	8:30-11:30	Carbon Nanotube-based Sensors	<i>Mini Project</i> completion and submission	7
August, 10	Wednesday	8:30-11:30	Sensors based on Nanostructures of Metal Oxide (3 hours)		8
August, 14	Sunday	8:30-11:30	Sensors based on Polymeric Nanostructures Lab tour		9
August, 15	Monday	8:30-11:30	Electronic Skin based on Nanotechnology Final project, (stages 1-2)		10
August, 16	Tuesday	8:30-11:30	Electronic Skin based on Nanotechnology and discussion Final project, (stages 3-4)		
August, 18	Thursday	8:30-10:30		Final project, (stages 4-5)	

August, 22	Monday	8:30-10:30		Working on the final project and open discussion
August, 24	Wednesday	TBD	Project Presentation (stage 6)	

Stages for designing a project

	Stage	Description		Implementation process
1	Project goal	Identifying a problem and its need for a solution.	1.	Discussing the problem among peers in small groups
			2.	Documenting meeting proceedings: creative, but yet applicable, ideas.
2	Problem	Defining and analyzing scientific, engineering, and	1.	Searching multiple information sources (based on the guided reading
	analysis	social aspects of the problem.		sessions and lab visits).
			2.	Documenting alternative ideas to solve the problem, emphasizing
				nanotechnology principles and considering innovations in nanosensors.
3	Design	Evaluating the different ideas and designing a	1.	Brainstorming to decide upon the best solution for the problem.
		solution to meet the defined problem.	2.	Documenting the design framework.
4	Preparation	Planning the project and assigning tasks for each	1.	Planning time schedule by setting milestones
		team member.	2.	Allocating roles and tasks to group members
		Discussing ways for monitoring work progress.	3.	Documenting all activities and decisions
5	Document	Constructing the first draft of the written project	1.	Writing the first draft of the document.
	construction	and the poster (PPT slide 70*100 cm).	2.	Developing the poster (PPT slide 70*100 cm)/ presentation.
			3.	Refining construction where necessary after redesigning.
6	Presentation	Presenting the poster and conducting peer	1.	Presenting projects' goal, design, and initial conclusions.
		evaluation.	2.	Providing comments and feedback according to scoring rubrics to improve
				peers' projects.
7	Final Report	Writing and submitting the final report.	1.	Writing the document according to the course requirements.
			2.	Summarizing the learning experience and writing conclusions.