دات	ندگاه سیستان و یلوچستان		شماره درس:۱۰_۱۶۵۴	
نشكده: مهندسا	ي شهيد تيكيخت	فرم طرح درس دکتري Course Plan	تام درس: مباحث ویزه ۱	
	مهندسی سَیِمی		تام استاد: صميمي عبدالر	ضا
HIRLE	oduce all aspects of researches	The main objective of the module is to int	تحو	ارزيابي
بدف از ارائه درس	that have been carried out so far in the Prof. Samimi's research team, preparing the PhD student to decide for his/her research subject. Most of researches are related to particles technology and fields from nano to		میان نرم	4/
			پایان ترم	7/
		macro scales. A number of subjects	آزمون (QUIZ)	./
		including interface phenomena, membras	THE PROPERTY OF THE PROPERTY OF	٣/٠٠
	fabrication methods, adsorption phenomena and synthesizes of nano- and bio-sorbents, nanocatalysts' synthesize, etc. Study the characteristics and		<u>ب</u> روڙه	٧/٠٠
	their applications, specifically,			
	in water and wastewater treatments, are of our prime attentions. During the term, the student must review the related papers and articles, and present a number of seminars. This course would be a good chance for			
	ng a systematic research with	the PhD student to practice in performi	5-4-1	
	· 新· 图 · · · · · · · · · · · · · · · · ·	learning how to do literature review, how		
	[25] 在 6 · 6 · 6 · 6 · 6 · 7 · 7 · 7 · 7 · 7 ·	how to present a research outcome in or presentations. At the end of the term, the	THE THEFT	
	his/her PhD research proposal			
تابع و مراجع درس	Rhodes, John Wiley & Son Ltd. © 2008	Introduction to particle technology Martin		
	A SARATA A SARARA SA	Membrane technology and application, F		
	2 4 7 4 7 1 1 1 6 8 4 5 1 4 4 7 5 6 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	Physics and Chemistry of Interface Hans-		
	THE RESIDENCE OF THE RESIDENCE OF THE PARTY AND ADDRESS OF THE PARTY.	. اول) خواص ذرات جامد عبدالرضا صميمي ،		
	ndover papers and files &			
In the same of the	THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON OF THE PE	للك و زمانيدي ارائه درس تيمسال دوم <mark>سال تحصيلي</mark>	1	
جلسه		حقوان جلسات		
	Introducing the module and scheduling the course presenting by the lecturer and the student		TEST TAXA	
7	Membrane phenomena and processes			
٣	membrane fabrication methods			
THE PERSON NAMED IN COLUMN		atest Technologies of Desalination (FO, M	La	n 15 to 18 i
۵	ces-reverse osmosis (ERD-RO)			
101131111111	er and wastewater managements	THE STATE OF THE S		
TW S D S H T T I I I			D	
	Water and wastewater managements (application of microalgae processing) Seminar by PhD student, presenting latest papers in membrane technologies			
		emmai by FmD student, presenting latest p	30	
	Mid-term exam			
	Liquid Surfaces (surface tension)			
	Thermodynamic of Interfaces			
	Surface Forces			
17	Electric Double Layer			
14	Contact Angle and Wetting			
10	Adsorption			
19	ses (Metal Organic Framework)	Adsorbents synthes		

17	Application of nanosorbents in environmental issues
14	Seminar by PhD student, presenting latest papers in adsorption processes
۱۹	Introduction to particle technology (particle size distribution, prosity, poresize distribution)
۲.	Mechanical properties of particulate solids
۲1	Size enlargement processes (fluidized bed granulation)
**	Size enlargement processes (high shear mixing granulation)
۲۳	Seminar by PhD student, presenting latest papers regarding synthesises of nanoparticle assemblies and their application
14	Electrophoretic and electroosmosis
۲۵	Nanoparticles characteristics
۲۶	Nanoparticle synthesizes (bottom-up and top-down methods)
۲۷	Nanocatalysts characteristics
۲۸	application of nanocatalysts in different processes (i.e. photcatalystics)
۲۹	Seminar by PhD student, presenting latest paper regarding catalytic processes especially in environmental issues
٣.	Summarizing all subjects presented by the lecturer and PhD student
۳۱	Determining the probable cutting edge research areas for study by the PhD student
77	Seminar by PhD student, presenting a review of the desired research subject field