



الجامعة التكنولوجية  
قسم الهندسة الكيماوية



المواضيع الدراسية المشمولة بالامتحان التنافسي للمتقدمين للدراسات العليا  
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دراسة الماجستير (هندسة العمليات الكيماوية / هندسة تكرير النفط والغاز/ هندسة التلوث الصناعي والنفطي)		
المصادر	اسم الموضوع	
Basic Principles and Calculations in Chemical Engineering Eighth Edition, By David Mautner Himmelblau, James B. Riggs	Principles of Chemical Engineering	١
Coulson and Richardso, Chemical Engineerin, Volume 2, Fifth Edition Fluidization, Liquid filtration, Distillation, Absorption, Liquid-Liquid Extraction	Mass Transfer	٢
Heat Transfer by Holmann	Heat Transfer	٣
Fluid flow for chemical Engineering, by Holland Chemical Engineering Vol.1, by Coulson	Fluid Flow	٤
Fogler, H.S., Elements of Chemical Reaction Engineering Smith J.M., "Chemical Engineering Kinetics	Reactor Design	٥
J. M. Smith,H.C.Van Ness, Introduction to chemical engineering thermodynamics, 8th edition (International Edition), Mc-Graw Hall, 2008	Thermodynamics	٦
دراسة الدكتوراه (هندسة كيميائية )		
المصادر	اسم الموضوع	
Basic Principles and Calculations in Chemical Engineering, Eighth Edition, By David Mautner Himmelblau, James B. Riggs	Principles of Chemical Engineering	١
Coulson and Richardso, Chemical Engineering, Volume 2, Fifth Edition Fluidization, Liquid filtration, Distillation, Absorption, Liquid-Liquid Extraction Transport Phenomena, R. Byron Bird, Mass transfer, Ch.16, Ch.17, Ch.18	Mass Transfer	٢
Heat transfer by Holman and chemical Eng. vol. 1	Heat Transfer	٣
Fluid flow for chemical Engineering, by Holland Chemical Engineering Vol.1, by Coulson Transport Phenomena, by Bird	Fluid Flow	٤
Fogler, H.S., Elements of Chemical Reaction Engineering Levenspiel, Chemical Reaction Engineering	Reactor Design	٥
J. M. Smith,H.C.Van Ness, Introduction to chemical engineering thermodynamics, 8th edition (International Edition), Mc-Graw Hall, 2008	Thermodynamics	٦

للمزيد من المعلومات يرجى متابعة التعليمات على موقع القسم الرسمي وعلى قناة التكرام