

Editorial

A Letter to Chemical Engineering Seniors

This is the 12th Graduate Issue to be published by CEE and distributed to chemical engineering seniors interested in and qualified for graduate school. As in our previous issues, we include articles on graduate courses that are taught at various universities and ads of departments on their graduate programs. However, this year we have also included some papers from departments in the United Kingdom as well as papers on research being carried out by certain outstanding chemical engineering professors. In order for you to obtain a broad idea of the nature of graduate work, we encourage you to read not only the articles in this issue, but also those in previous issues. A list of the papers from recent years follows. If you would like a copy of a previous Fall issue, please write CEE.

Ray Fahien, Editor, CEE

AUTHOR	TITLE
Fall 1980	
Culberson	"Doctoral Level ChE Economics"
Davis	"Molecular Theory of Thermodynamics"
Frank	"Courses in Polymer Science"
Morari, Ray	"Integration of Real-Time Computing Into Process Control Teaching"
Ramkrishna	"Functional Analysis for ChE's"
Russel, Saville, Ollis, Schowalter	"Colloidal Phenomena"
Russell	"Structure of the Chemical Processing Industries"
Vannice	"Heterogeneous Catalysis"
Varma	"Mathematical Methods in ChE"
Yen	"Coal Liquefaction Processes"
Fall 1978	
Aris	"Horses of Other Colors—Some Notes on Seminars in a ChE Department"
Butt & Peterson	"Chemical Reactor Engineering"
Kabel	"Influential Papers in Chemical Reaction Engineering"
Middleman	"A Graduate Course in Polymer Processing"
Perlmutter	"Reactor Design From a Stability Viewpoint"
Rajagopalan	"The Dynamics of Hydrocolloidal Systems"
Wheelock	"Coal Science and Technology"
Carbonell & Whitaker	"Transport Phenomena in Multicomponent, Multiphase, Reacting Systems"
Fall 1977	
Dumesic	"Fundamental Concepts in Surface Interactions"
Jorne	"Electrochemical Engineering"
Retzloff	"Chemical Reaction Engineering Science"
Blanch, Russell	"Biochemical Engineering"
Chartoff	"Polymer Science and Engineering"
Fall 1976	
Alkire	"Electrochemical Engineering"
Bailey & Ollis	"Biochemical Engr. Fundamentals"
DeKee	"Food Engineering"
Deshpande	"Distillation Dynamics & Control"
Johnson	"Fusion Reactor Technology"
Klinzing	"Environmental Courses"
Lemlich	"Ad Bubble Separation Methods"
Koutsky	"Intro. Polymer Science & Tech."
Reynolds	"The Engineer as Entrepreneur"
Rosner	"Energy, Mass and Momentum Transport"
Fall 1975	
Astarita	"Modern Thermodynamics"
Delgass	"Heterogeneous Catalysis"
Gruver	"Dynamical Syst. & Multivar. Control"
Liu	"Digital Computations for ChE's"
Manning	"Industrial Pollution Control"
McCoy	"Separation Process"
Walter	"Enzyme Catalysis"
Fall 1974	
Corripio	"Digital Computer Control of Process"
Donaghey	"Solid-State Materials and Devices"
Edgar	"Multivariable Control and Est."
Gates, et al.	"Chemistry of Catalytic Process"
Luks	"Advanced Thermodynamics"
Melnik & Prober	"Wastewater Engineering for ChE's"
Tavlarides	"Enzyme and Biochemical Engr."
Theis	"Synthetic & Biological Polymers"
Hamrin, et. al.	"Energy Engineering"
Fall 1973	
Merrill	"Applied Chemical Kinetics"
Locke & Daniels	"Corrosion Control"
Moore	"Digital Computer Process Control"
Wei	"Economics of Chem. Processing Industries"
Hopfenberg	"Polymers, Surfactants and Colloidal Materials"
Fricke	"Polymer Processing"
Tierney	"Staged Separations"
Fall 1972	
Bell	"Process Heat Transfer"
Chao & Greenkorn	"Equilibrium Theory of Fluids"
Cooney	"Biological Transport Phenomena and Biomedical Engineering"
Curl & Kadlee	"Modeling"
Gainer	"Applied Surface Chemistry"
Slattery	"Momentum, Energy and Mass Transfer"
Kelleher & Kafes	"Process and Plant Design Project"
Douglas & Kittrell	"Engineering Entrepreneurship"
Fall 1971	
Reid & Modell	"Thermo: Theory & Applications"
Theofanous	"Transport Phenomena"
Weller	"Heterogeneous Catalysis"
Westerberg	"Computer Aided Process Design"
Kabel	"Mathematical Modeling . . ."
Wen	"Noncatalytic Heterogeneous Reaction Systems"
Beamer	"Statistical Analysis and Simulation"
Himmelblau	"Optimization of Large Scale Systems"