



CHEMICAL ENGINEERING DIVISION ACTIVITIES

SUMMER SCHOOL 1982

The Summer School for Chemical Engineering Faculty is organized by the Chemical Engineering Division of the American Society for Engineering Education and is held every five years. The 1982 Summer School, ninth in a series begun in 1931, will be held August 1-6 at the University of California in Santa Barbara and has been generously supported by industrial concerns. Its purpose is to acquaint faculty with new developments in chemical engineering education and to provide for personal interaction with other faculty and representatives from industrial firms concerned with the educational process. The 1982 Summer School

is being co-chaired by T. W. Fraser Russell and Stanley I. Sandler of the University of Delaware.

In February of 1982, program and registration information was mailed to chemical engineering department chairmen in the United States, Canada and Mexico. Attendance at the Summer School must be limited due to constraints on both classroom space and living accommodations and the Chemical Engineering Division has elected to have each chairperson select an attendee from their department.

Summary information concerning the topics to be covered at the Summer School is shown in Figure 1 below.

FIGURE 1

PROGRAM SUMMARY CHART

BLOCK SESSION	BLOCK 1 NEW TECHNICAL DIRECTIONS IN CHEMICAL ENGR T. J. Anderson	BLOCK 2 EXPANDING ROLE OF COMPUTERS IN CHEMICAL ENGR EDUCATION T. F. Edgar	BLOCK 3 CHEMICAL ENGINEERING IN THE CLASSROOM AND LABORATORY & A SPECIAL POSTER SESSION ON CHEMICAL ENGR TEACHING G. M. Howard	BLOCK 4 INDUSTRIAL/UNIVERSITY INTERACTIONS W. S. Kemp	BLOCK 5 THE SOCIAL RESPONSIBILITIES OF THE ENGINEER B. J. Lubersoff P. V. Telo	BLOCK 6 CHEMICAL SCIENCES & CHEMICAL ENGR G. L. Schrader
SUNDAY EVENING	SOCIAL EVENT					
MONDAY 9:00 am	OPENING REMARKS					
MONDAY MORNING	Biomedical Engineering I	Computer Graphics & Modular Instruction I	Problem Solving I	The Senior Design Course I	Statement of the Problem	Catalytic Chemistry and Surfaces I
MONDAY EVENING	Biomedical Engineering II	Computer Graphics & Modular Instruction II	Problem Solving II	The Senior Design Course II	The Law and its Implementation	Catalytic Chemistry and Surfaces II
TUESDAY MORNING	Biotechnology	Use of Computers in Teaching Process Design I	Undergraduate Laboratory Instruction	University-Academic Personnel Interchange	Can Big Be Beautiful?	Applied Thermodynamics I
TUESDAY EVENING	Process Synthesis Development	Personal Computing	Managing Large Classes	Intern & Co-op Programs	Separate Together?	Applied Thermodynamics II
WEDNESDAY MORNING	Solid-State Processing	Use of Computers in Teaching Process Design II	Updating Process Dynamics and Control Education	Academic-Industrial Perceptions of Engr Education	Social Implication: Two Views	Industrial & Engineering Chemistry
WEDNESDAY AFTERNOON	3-M AWARD LECTURE					
WEDNESDAY EVENING	SOCIAL EVENT					
THURSDAY MORNING	Polymer Science and Engineering	Microcomputers in CHE Laboratories I	Oral & Written Communication Skills	Financial Aid	Relating to the Market	Food Processing & Food Science I
THURSDAY EVENING	New Separation Techniques	Teaching of Process Synthesis in Design	Course Design & Evaluation of Learning I	Role of Industrial Advisory Boards	Two Successful Courses	Food Processing & Food Science II
FRIDAY MORNING	Pulp and Paper Technology	Microcomputers in CHE Laboratories II	Course Design & Evaluation of Learning II	How to Conduct A Short Course	File-Up	Electrochemistry & Corrosion