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For additional information please contact Mrs. M. Rafferty, Data Processing Management Association, 505 Busse Highway, Park Ridge, Illinois 60068.

EDUCATIONAL NEWS

Union College and GE Program

Union College and the General Electric Company have recently made an agreement that will allow the Company to teach nearly half the courses for a Union master of science in industrial administration degree.

Such an extensive sharing arrangement between a college and a corporation is virtually without precedent, according to Professor Alfred Thimm, director of Union's industrial administration program.

The agreement, signed by G.E.'s Manufacturing Services Division, will extend company-wide, with details left up to interested G.E. locations and the College.

The courses which G.E. will supply are those which make up its Manufacturing Problems Analysis (MPA) program. Extending over a two-year period, the program involves an employee first in a series of lectures, and then in a manufacturing project.

Thirty-one hours of credit are required for a Union master of science degree in industrial administration. The College will administer tests on the material covered by the MPA lecture series, and will award up to 12 hours of credit on the basis of the test results. Another 13 hours of credit must be earned by taking courses at the College.

The final 6 hours of credit are earned by preparing a thesis. If the employee desires he may submit a report of his MPA manufacturing project to fulfill the thesis requirement.

For more information about the new program, write: Prof. Alfred Thimm, Union College, Schenectady, New York 12308

New Program at UCLA

The Graduate School of Business Administration, University of California, Los Angeles, California, will offer, beginning in Fall 1967, a program in Socio-technical Systems leading to a Master of Science degree and providing a field for doctoral study. The program provides a strong background in the analysis and design of organizations through joint consideration of technological, social, personal and ecological variables. By drawing upon engineering, social and psychological sciences and mathematics, the student develops conceptual and practical skills for dealing with the problems of design of productive systems in complex environments. Preparation in at least one of these disciplines will enable students to acquire in one or two additional quarters of work the breadth of knowledge that is prerequisite for the Master's program.

The senior faculty for the program includes Professors Louis E. Davis,

Robert Tannenbaum, and Eric L. Trist, who has recently joined the UCLA faculty from The Tavistock Institute in London.

Short Courses at Michigan

The University of Michigan announces the following seven short courses of interest to managers and management scientists:

Advances in the Applications of Computers in Hospital Management. This course will describe how the computer can now be used to process and synthesize a wealth of data and information, providing a powerful tool for the hospital management team. Dates: May 15–19, 1967. Fee: $175.

Foundations and Tools for Operations Research and the Management Sciences. Presents a picture of new developments in the use of mathematics and statistics in the managerial process, together with a study of the underlying mathematical and statistical concepts. Dates: May 22–June 2 1967. Fee: $300.

Operational Analysis in the Management of Health Services. This course will present recent applications of operational analysis directed toward the management of health services, including topics relating to manpower determination, planning, scheduling, and allocation of resources. Date: June 5–9, 1967. Fee: $175.

Recent Mathematical Advances in Operations Research and the Management Sciences. This course emphasizes optimization theory and includes linear and nonlinear programming, integer programming, dynamic programming, search procedures, and combinatorial techniques. Dates: June 5–16, 1967. Fee: $300.

Probability Theory and Random Processes for Engineers and Scientists. This introductory course will provide engineers and scientists with methods for analysis of random behavior. Selected Applications to engineering problems will illustrate basic concepts. Dates: July 10–21, 1967. Fee: $300.

Topics in Military Operations Research. Provides an understanding of the concepts and methods used in assessing the worth of military weapon systems, including models of weapon capabilities on military actions, methods of cost estimation, and integration of cost-effectiveness information. Dates: July 24–August 4, 1967. Fee: $300.

Quality Control by Statistical Methods. This is a basic course in the use of statistical methods in the control of quality and acceptance inspection. Dates: August 7–17, 1967. Fee: $225.

For complete information write: Engineering Summer Conferences, West Engineering Building, The University of Michigan, Ann Arbor, Michigan 48104.

University of Massachusetts Summer Institute

The University of Massachusetts department of industrial engineering will present a summer institute for college engineering teachers entitled Computer Simulation of Engineering Systems, supported by a grant to the University from the National Science Foundation.

The object of the eight-week UMass institute is to train the college engineering teacher to teach computer simulation techniques in his own classroom.

Subject matter will include FORTRAN programming, with programs run on

the UMass CDC 3600 computer; basic probability theory; the study of Monte Carlo simulation, stochastic systems and other simulation methods; the study of large-scale engineering systems using simulation techniques; and current developments and applications of simulation.

Faculty for the institute include Frank C. Kaminsky, assistant professor of industrial engineering at UMass; William A. Moy, associate professor of industrial engineering at the University of Wisconsin; and Valdemars Punga, mathematician and professor at Rensselaer Polytechnic Institute.

Participation is limited to those who are or who will be teaching undergraduate courses in engineering. Tuition, stipends, dependency, and other allowances will be paid. Graduate credit may be possible. Further information is obtainable from Prof. Richard W. Trueswell, department of industrial engineering, University of Massachusetts, Amherst, Mass., 01002.

M.I.T. Summer Programs in Marketing

The Massachusetts Institute of Technology offers the following three short courses in marketing during the summer:

Computer Simulation of Market and Competitor Response, June 13–June 23, 1967.

Management Science in Marketing, August 21–Sept. 1, 1967.

Marketing Information Systems, August 21–Sept. 1, 1967.

The *Simulation* program is aimed at the manager and presents an intensive introduction to the conceptual development and structuring of management-oriented market simulations. No technical background is required. The *Management Science* program emphasizes new models and applications in marketing. Topics include adaptive control models, new product planning models, micro-analytic simulation of competitive environments, stochastic models of consumer behavior, and on-line interactive use of models. The course is intended for management scientists and those with strong technical backgrounds. The *Information Systems* program is concerned with current progress toward meeting the marketing information needs of management through computer-based systems of data and models. The technical level is intermediate.

For further information, write: Director of the Summer Session, E19-356, M.I.T., Cambridge, Massachusetts 02139.

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In the list that follows the address of the person usually contributing to the BULLETIN section is given. Addresses of other officers can be found in the **TIMS** directory. Please help the BULLETIN Editor keep this listing up-to-date and complete. Explanation of abbreviations: **C** = Chairman, **VC** = Vice-chairman, **S** = Secretary, **T** = Treasurer, **ST** = Secretary-treasurer, **PC** = Program Chairman, **AST** = Assistant Secretary-treasurer, **RS** = Recording Secretary.

Boston Chapter, C: Stanley I. Buchin, **VC:** Leon S. White, **ST:** Warren Briggs, 33 Bancroft Road, Wellesley Hills 81, Massachusetts. (6-66)