122. Office Services and Procedures (3)

Prerequisite: IS 121. Duties and responsibilities of executive secretarial positions. (2 lecture; 2 lab hours) (Former O Ad 121)

130. Office Systems for Business Teachers (3)

Prerequisite: IS 1 or equivalent. For students working toward a standard secondary credential in business and those wishing to teach business subjects in community colleges. Office organization and control; computers, word processors, duplicating, and production equipment for the modern business office. (2 lecture; 2 lab hours) (Former O Ad 116)

142. Information in Health Care Organizations (3)

Prerequisite: Acct 4A, IS 50. Design, implementation, and evaluation of comprehensive information systems for planning and controlling the operations of health care organizations. (Former QM 105)

150 A-B-C Statistical Computer Applications (1)(1)(1)

Prerequisites: IS 50, DS 73, 173 (may be concurrent). 150A: Structuring sample surveys for computer analysis. Selection of statistical measurements. Selection of computer programs and interpretation of output. 150B: Use and interpretation of the Statistical Package for the Social Sciences (SPSS). 150C: A survey of available statistical computer packages with applications, including BMDP, FSUSTAT, and MINITAB.

152. Advanced Computer Programming (3)

Prerequisite: IS 53, 54. Algorithmic and procedure-oriented languages; arrays, graphs, sorting, merging, symbol tables, searching, list processing, simulation techniques, disk and tape program segmentation and linkage. (Former QM 162)

159. Machine Language Programming (3)

Prerequisite: IS 53 or 54. Machine assembler and symbolic languages; report generators; development of macro instructions. Requires development of programs in several languages. (Former QM 169)

163. Business Models and Simulation (3)

Prerequisite: IS 53 or 54 and DS 73, DS 173 desirable. Computer modeling of inventory, queueing, network, financial and planning problems. (Former QM 163)

164. Computer Configurations (3)

Prerequisite: IS 53 or 54 (a basic electronics course (Ia 151) desirable). In-depth study of selection and installation of hardware and software of various computers; feasibility studies, comparisons of self-managed versus service bureau operations; comparison of competitive systems; costs of reprogramming; distributed systems and microcomputers. (Former QM 173)

165. File Organization and Data Base Systems (3)

Prerequisite: IS 53 or 54. Data and storage structure; file design; approaches to data base management system design; use of generalized data base management systems. (Former QM 165)

166. Applied Computer Systems (3)

Prerequisite: Acct 4A-B, IS 54 (IS 53 and DS 181, 182 desirable) Development and programming of management information systems; accounting subsystems for external reporting and for internal control; techniques and methods used in systems analysis. (Former QM 166)

168. Data Processing Management (3)

Prerequisite: Acct 4A-B, 128, or 132; IS 53 or 54; Mgt. 124 desirable. Theories, cost, and problems of operation of a computer center; standards; flow of work, scheduling, batching, spooling, multiprogramming and multiprocessing techniques as methods of control and operation. (Former QM 168)

189T. Topics in Information Systems (1-3; max total 6 if no topic repeated)

Prerequisite: permission of instructor. Theory or application of information systems or information management as applied to current developments in the field. (Former O Ad 189T and QM 189T)

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