

ATTACHMENT 2.

For information of the Senate - (courses will be taught spring 1979 only):

COLLEGE OF ENGINEERING

ENGR 500X INTRODUCTORY BIOMECHANICS. (3) (Prereq: ENGR 306 or equivalent) Applications of engineering concepts and analytical techniques to medical problems. Topics include equilibrium, vibratory motion, stress and deformation, material properties, flow of fluids, modeling of biological systems and illustrative examples from medicine.

ENGR 509X CHEMICAL ENGINEERING FLUID MECHANICS. (3) (Prereq: ENGR 306) Chemical engineering fluid mechanics covering single and multi-phase pressure drop in process equipment, phase contacting, Darcy's Law, flow through porous media, fluidization, introductions to rheology, mixing, and turbulence.

ENGR 551X ELEMENTS OF WATER AND WASTEWATER TREATMENT SYSTEMS. (3) (Prereq: ENGR 317, 318) An introduction to the unit operations and processes employed in the physical, chemical, and biological treatment of water and wastewater. Application of unit operations and processes in design of water and wastewater treatment plants.

ENGR 552X SANITARY ENGINEERING LABORATORY. (3) (Prereq: ENGR 317, coreq: ENGR 551) Physical, chemical, and biological analysis of and wastewater. One lecture period and six laboratory hours per week.

ENGR 572X ELECTRONIC ANALOG SYSTEMS. (3) (Prereq: ENGR 371 or consent of instructor) A study of the techniques used to process analog signals. Topics covered include characteristics of operational amplifiers, linear and non-linear circuit application of operational amplifiers, active filters, multiplexers, sample-hold devices, A/D, D/A converters, and waveform generators.

COLLEGE OF JOURNALISM

JOUR 534X ADVANCED RADIO & TELEVISION NEWSWRITING AND REPORTING. (3) (Prereq: JOUR 334 or JOUR 335, or JOUR 336) An intensive practicum for advanced journalism students in electronic newsgathering, reporting and presentation. Designed as a realistic newsroom situation for persons intending to work in radio and television news.