I. CATALOG DESCRIPTION AND CREDIT HOURS OF COURSE: IS 481, 482, 483. PROBLEMS IN INFORMATION SYSTEMS. Directed study of special topics in information systems and applied computing through classes, laboratories, seminars, workshops, forums, etc. Varying title. Prerequisites: departmental placement based on topic. (1-3)

II. PREREQUISITE(S): departmental placement based on topic

III. PURPOSE OR OBJECTIVES OF THE COURSE: The rapid changes in the discipline of Computer Science are reflected in the similarly fast evolution of information systems and applied computing. Not every interesting and important aspect of these application areas can be incorporated in depth into the curricula. New topics and technologies can arise quickly while older topics and technologies become obsolete. These courses allow the faculty and the student to explore special topics in information systems and applied computing in a timely manner. The course will be offered based on timeliness of the topic, availability of the faculty, and student demand. The course title can vary, and the specific topic will be recorded on the student’s transcript. The manner in which the courses will be taught will require that students participate in manner in which they will need to find and interpret information on their own, work with the topic in an investigative mode since many aspects may not have been well documented, and document and report the results of their work. For these reasons, these courses will be considered examples of experiential learning.

IV. EXPECTATIONS OF STUDENTS: Depending on the topic, students may find themselves working in different formats ranging from the traditional lecture to working in small project teams in a computational laboratory. The student will be expected to attend class, to find and interpret information related to the topic, exercise diligence in working with the software, and be an effective member of a team when project groups are employed.

V. COURSE CONTENT OR OUTLINE: The content of the course will depend on the topic selected. An appropriate number of class periods will be scheduled commensurate with the credit hour load and content of the course.

VI. TEXTBOOK(S) AND/OR OTHER REQUIRED MATERIALS OR EQUIPMENT: Appropriate textbooks, software, and equipment will be identified for each topic.
VII. **BASIS FOR STUDENT EVALUATION:** The basis for student evaluation will vary depending on the topic. Normally, it will be based on some combination of examinations and programming projects.