Title: Information Technology Research Seminar
Abbreviation and Number: CISB499  AB Paper No.: 13-138
School: Business
Department: Computer Information Systems
Credits: 3  Course Sequence: ( ) Fall  ( X ) Spring  ( ) Fall and Spring
Hours Per Week: ( ) Lecture  ( 3 ) Seminar  ( ) Laboratory  ( ) Studio  ( ) Kitchen
( ) Other (Specify)
Pre-requisite(s): BADM300; ENGW300 or ENG300 or ENG301 and Fourth Year Standing
Co-requisite(s): None

COURSE DESCRIPTION
Students use previously acquired knowledge, technologies, and research skills to conduct research in the area of Information Technology (IT). Students produce a research paper and make a presentation.

SPECIFIC OBJECTIVES
Upon successful completion of this course, students will be able to
1) plan a research project based upon an identified topic;
2) conduct a literature review on a chosen research topic;
3) critically evaluate existing literature identify advantages and disadvantages in their approach to a specific subject;
4) conduct research using the scientific method within the IT discipline;
5) apply research skills to explore a topic of interest in depth;
6) develop new ideas on a given research topic;
7) explore these ideas in relation to existing relevant literature;
8) formulate a hypothesis and a valid methodology to conduct an experiment to verify findings, and report on the results of the experiment;
9) write the research paper on the research subject; and
10) present the findings of the research in a scientific and concise manner.

COURSE CONTENT
I. Overview
II. Timelines
III. Research Paper Process
IV. Literature Review
   A. Validate the originality of research
   B. Introduce new perspectives to an existing problem
V. Final Research Paper
VI. Oral Defence

ASSESSMENT
Report..........................20%
Assignments....................20%
Project..........................40%
Oral Defence....................20%
Total............................100%
REQUIRED TEXT

SUPPLEMENTARY READINGS/MATERIALS

JOURNALS
Computer Science Magazine
Genetic Programming
IEEE Communications Magazine
Intelligent Enterprise
Scientific Computing & Automation

WEBSITES
http://ieee.com/
http://itresearch.forbes.com
http://lab.nap.edu
http://www.acm.org
http://www.techland.co.uk
http://www.computer.org