



COB Vision

Our vision is to be a recognized leader in developing business talent and ideas that create growth and opportunity in Arkansas and globally.

COB Statement of Mission and Core Values

We educate a diverse population of current and future business professionals to successfully and ethically meet the challenges of the global business environment. Through active engagement with the local, regional, national, and global communities, our faculty strive to deliver a high-quality business education via experiential education, a relevant curriculum, and scholarly contributions. We pursue continuous improvement opportunities to add value for our College and its stakeholders.

In carrying out this mission, the College of Business is guided by the following core values and expects the following outcomes:

1. Intellectual Excellence.

- 1.1. Educate students: We promote intellectual and professional development of students by emphasizing communication, critical and analytical thinking, collaboration, information management and a broad exposure to key business disciplines.
- 1.2. Scholarship: We believe that faculty and students should engage in professional development and scholarly endeavors that promote and impact the application, creation and dissemination of knowledge through contributions to business practice, learning and pedagogical research, and discipline-based scholarship.
- 1.3. Cultural competence: We maintain and develop current and responsive curriculum that prepares students for the global business environment through broad exposure to key business disciplines.
- 1.4. Physical learning environment: We strive to provide a physical infrastructure with appropriate technology that provides an environment in which our students and faculty can thrive professionally and intellectually.

2. Community.

- 2.1. Collegiality: We encourage transparency in our decision making practice through a process of shared governance based on interactions among faculty, staff, and students.
- 2.2. Service: We pursue collaborative partnerships between our internal and external stakeholders to impact and promote life-long and experiential learning, research, service, and community engagement.

3. Diversity.

- 3.1. We value the opportunity to work, learn, and develop in a community that embraces the diversity of individuals and ideas.

4. Integrity.

- 4.1. Ethics: We are committed to ethical and responsible behavior in our own actions and to developing the same commitment in our students by promoting the awareness of professional ethical responsibilities.
- 4.2. Responsibility: We commit to being responsible and accountable in our operations at all levels, including assessment and continuous improvement of our academic programs and transparency in our fiscal and operational proceedings.

Learning Goals

Our graduates shall possess:

1. Critical Thinking & Analytical Thinking Skills;
2. Awareness of the Global Business Environment;
3. Ethical Reasoning Abilities;
4. Effective Communication Abilities;
5. Effective Collaborative Skills;
6. Understanding of a Broad Range of Business Disciplines.

Course Syllabus

Course Information

Course Number:	MIS-4390
Course Name:	Special Projects in Information System
CRN:	31413
Semester:	Spring 2019
Location:	College of Business: Room 302
Class Hours:	10:00 AM – 11:00 AM Mondays, Wednesdays & Fridays

Instructor Information

Name:	Dr. Jeff Hill
Office Location:	COB 305P
Work Email:	ghill@uca.edu
Phone:	501-450-5347
Office Hours:	8:30 AM – 10:00 AM & 1:00 PM – 2:30 PM Mondays & Wednesdays 8:30 AM – 9:30 AM & 1:30 PM – 2:30 PM Tuesdays & Thursdays

Prerequisites

By permission of the professor.

Textbook and Instructional Materials Required

Online reading assignment links in course schedule – additional readings assigned as needed by professor.

Course Description

MIS 4390 is an elective projects course open to all MIS majors with the permission of the professor. This course builds upon knowledge acquired in earlier courses within your major field of study. The prerequisite knowledge is not limited to technical skills, but also includes soft skills such as but not limited to: work ethic, team orientation, goal orientation, leadership, followership, and resource management. As this course is listed at the 4000 level, this course requires total commitment to the project regardless of your current class standing.

The overall project is a collaborative solution to a complex business problem. However, it will be provided via a series of individual and/or team developed components that must properly interoperate to achieve the larger purpose. It is imperative that all components be developed with complete conformity to industry and project standards. Individual contribution expectations will be determined by the project manager in coordination with the course professor. Students will be expected to expand their knowledge, skills, and abilities through a series of professor-led, applied learning exercises. As there are no traditional exams, quizzes, or homework assignments, individual self-motivation is crucial to overall team success.

Course Objectives

Provide intermediate and advanced hands-on application of information systems development using industry standard project management techniques, documentation procedures, programming languages, and development software. Projects must adhere to an industry standard Values, Vision, and Mission Statement / Syllabus

systems development lifecycle framework such as, but not limited to, traditional sequential design, Unified Process, or Agile. Projects will be accomplished in a team environment utilizing appropriate systems development, interpersonal communication and interaction, and project management techniques.

Learning objectives

- Students will collect, assemble, and organize information system requirements from a variety of stakeholders (*Synthesis*)
- Students will assess alternative solutions to select an appropriate project course of action informed by appropriate problem analysis (*Evaluation*)
- Students will manage resource allocation determinations using industry standard project management techniques such as PERT/CPM, Gantt Charts, and WBS (*Synthesis*)
- Students will utilize in an industry standard development framework by planning, analyzing, and designing an appropriate information system satisfying all identified requirements using an accepted development approach such as, but not limited to, waterfall, Rational Unified Process, or Extreme Programming (*Synthesis*)
- Students will demonstrate mastery of industry standard modeling techniques by creating appropriate UML documentation for the project (*Apply*)
- Students will use knowledge from prerequisite courses to formulate the determined solution based upon the design documentation while adhering to resource allocation determinations (*Synthesis*)
- Students will demonstrate their ability to successfully manage and overcome dynamic challenges such as communication and time management inherent to any team project (*Apply*)
- Students will demonstrate an ability to summarize project plans, designs, and prototypes by presenting a project overview suitable for upper level managerial stakeholders (*Apply*)

Bloom's Taxonomy Score: (8 LO) 4.38 |

Course Delivery Method

[Lecture and lab.]

Grading

Grades will be assigned according to the following scale: (Your percentage would depend upon what you do.)

- A. ≥ 89.5
- B. ≥ 79.5 and < 89.5
- C. ≥ 69.5 and < 79.5
- D. ≥ 59.5 and < 69.5
- F. < 59.5

Grade Based on:

Professionalism – 50%
 Quality of contributions – 25%
 Achievement of expectations – 25% |

DESCRIPTION OF MAJOR DELIVERABLES/COURSE REQUIREMENTS

Class Schedule: Refer to last page. |

Evaluations (Fall & Spring) Student evaluations of a course and its professor are a crucial element in helping faculty achieve excellence in the classroom and the institution in demonstrating that students are gaining knowledge. Students may evaluate courses they are taking starting on the Monday of the thirteenth week of instruction through the end of finals week by logging in to myUCA and clicking on the Evals button on the top right.

POLICIES AND PROCEDURES

Attendance and Drop policies

Attendance during class meetings is crucial due to the nature of this project. The scheduled time for this course was selected to not conflict with any other course to allow for enrollment of any and all interested students. The actual class meeting schedule will be determined during the first day of class. ***All class absences must be discussed with the professor in a face-to-face meeting to discuss continued enrollment in the course.*** Unexcused absences will at a minimum negatively impact the professionalism portion of your final grade.

Additional team meetings will be necessary throughout the semester at times and days to be determined by the team. The team will form sub-teams to work on specific components of the overall project, therefore all team meetings may not need to be attended by all team members. It is your responsibility to know which meetings you need to attend as well as their location and time. The project manager will track attendance at all team meetings and will report all absences to the professor. ***All team meeting absences must be discussed with the professor in a face-to-face meeting to discuss continued enrollment in the course.*** Unexcused absences will at a minimum negatively impact the professionalism portion of your final grade.

Two unexcused class or team meetings will result in you being dropped from the course for non-attendance.

Tardiness is disrespectful and highly unprofessional, be on time for all class and team meetings. The project manager will track tardiness and will report to the professor as necessary. Tardiness will at a minimum negatively impact the professionalism portion of your final grade.

FINAL DATE TO WITHDRAW IS: March 29, 2019 – after this date, only grades of A, B, C, D, F will be received.

Students are expected to pay attention and engage fully in class and team meetings. At the professor's discretion, students will be marked absent (unexcused) for tardiness, surfing the web, checking email, working on homework, or working on activities not related to this course. No use of cell phones, iPods, tablets, or other electronic devices are allowed in class. |

Assignment Submission

There will be no traditional assignments throughout the semester. However, there will be deadlines and deliverable due dates that will be determined by the team's timeline. The timeline

will be the benchmark for timely task completion. Timeline slippage may reduce the professionalism portion of your final grade although this is not certain in all cases. The project manager must discuss all timeline slippages with the professor. |

Makeup Exams

There are no exams for this project based course. |

Classroom Policies

Computer Lab Rules:

- No Food, Drink, or Tobacco Allowed. Please properly dispose of these items before entering the lab.
- Clean Up Your Work Area. Throw away trash, straighten equipment, and push in your chair. Keep work area neat.
- Talk Quietly. Others around you are trying to work.
- The Printer Is Not A Copy Machine. If you need more than one copy, print one copy and use a copy machine for the others.
- Log Out And Turn Off Your Computer. This ensures that you are logged out of the system and the next student can use the computer. It also ensures you can get back into the system from somewhere else on campus. |

Plagiarism

This course involves writing programming source code as an academic and creative exercise. As intellectual property, programming source code is granted the exact same protections as any other form of creative composition. These protections extend not only to explicit duplication of programming source code, but also to creative components such as the logical flow, structure, and control(s) associated with a program. These creative components are considered intellectual property and are afforded protections against unethical or unlawful use.

In this course, duplication of creative components from any source will be considered plagiarism and offenders will be subject to the provisions of the university's Academic Integrity Policy. Per university policy, at the discretion of the course professor, any appropriate course-related sanction may be imposed up to and including dismissal from the course with a grade of F. Additional sanctions may be imposed by the university as specified by university policy. Continued enrollment in this course affirms a student's acceptance of this course policy. |

Academic Integrity Statement

The University of Central Arkansas affirms its commitment to academic integrity and expects all members of the university community to accept shared responsibility for maintaining academic integrity. Students in this course are subject to the provisions of the university's Academic Integrity Policy, approved by the Board of Trustees as Board Policy No. 709 on February 10, 2010, and published in the Student Handbook. Penalties for academic misconduct in this course may include a failing grade on an assignment, a failing grade in the course, or any other course-related sanction the instructor determines to be appropriate. Continued enrollment in this course affirms a student's acceptance of this university policy.

Disabilities Act Statement

The University of Central Arkansas adheres to the requirements of the Americans with Disabilities Act. If you need an accommodation under this Act due to a disability, please contact the UCA Office of Disability Services, 450-3613.

Sexual Harassment and Academic Policies

All students are required to familiarize themselves with the University of Central Arkansas policy on sexual harassment and on academic policies. These policies are printed in the Student Handbook.

Title IX

If a student discloses an act of sexual harassment, discrimination, assault, or other sexual misconduct to a faculty member, the faculty member cannot maintain complete confidentiality and is required to report the act and may be required to reveal the names of the parties involved. Any allegations made by a student may or may not trigger an investigation. Each situation differs and the obligation to conduct an investigation will depend on those specific set of circumstances. The determination to conduct an investigation will be made by the Title IX Coordinator. For further information, please visit: <http://uca.edu/titleix>.

Emergency Procedures Summary (EPS)

An Emergency Procedures Summary (EPS) for the building in which this class is held will be discussed during the first week of this course. EPS documents for most buildings on campus are available at <http://uca.edu/mysafety/bep/>. Every student should be familiar with emergency procedures for any campus building in which he/she spends time for classes or other purposes.

Other Required Materials/Competencies/Resources:

None.

ACCREDITATION & ASSURANCE OF LEARNING

Learning Goal(s) Assessed in this Class

There is no formal assessment activity scheduled in this class.

There is formal assessment activity scheduled in this class.

Learning Goals

[N/A]

Learning Objective

[N/A]

Measure

[N/A]

Benchmark

[N/A]

**MIS 4390 Special Projects in Information Systems
Course Schedule
Spring 2019**

Date	Topic	Topic
1/14		Course introduction & syllabus overview Preliminary project scope, description & expectations
1/16	#1	Eclipse, Jetty (Servlets & Scheduled Tasks) uca.mis4390.db (not used in examples, for use on this project) uca.mis4390.web
1/23	#2	Syslog, SNMP & JSON webservice statuses uca.mis4390.snmp uca.mis4390.syslog uca.mis4390.webservice
1/28	#3	JSON & GSON uca.mis4390.json
1/30	#4	ICMP & Application service polling uca.mis4390.icmp Email & SMS messaging uca.mis4390.email https://en.m.wikipedia.org/wiki/SMS_gateway Open-source network monitor dashboards: https://geekflare.com/best-open-source-monitoring-software/ https://demo.cachethq.io/ Example university IT status dashboards: https://alerts.it.ufl.edu/ https://drexel.edu/it/help/status/metrics/ https://its.uiowa.edu/alerts https://itstatus.uark.edu/ https://servicestatus.msu.edu/ https://status.dal.ca/services.php https://uofu.status.io/ https://www.drake.edu/its/ http://www.uh.edu/infotech/about/performance/dashboard/
2/4		Project architecture determination Final project scope & description determination
TBD		Topics TBD by team needs
TBD		College of Business Student Research Day
4/25		Final project due-date