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**Instructor:** Jae Choi, Ph.D, Professor  
**Hours:** 12:15-2:00 PM TTR, 11:00 AM-2:00 PM W  
**E-mail:** [jchoi@pittstate.edu](mailto:jchoi@pittstate.edu)  
**Office:** Kelce 223C

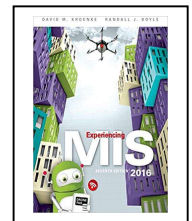
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### Course structure

- Weekly learning materials and activities will be posted at 9:30 AM on Tuesdays. Submission due is 10:45 AM on Thursdays in the same week.
- Your questions will be answered throughout the week (except evening times (after 5PM) and weekends). You may use Canvas email/messenger system.
- Technology requirements: Notebook or desktop PC with high-speed internet connection and Windows 10 operating systems. MS office (including MS Access). Google chrome browser.
- You may use computers at Kelce 103 and 105

### Textbook

We don't have any mandatory textbook. Course materials will be sourced from a variety of resources including the following books. Although you are NOT required to purchase any of these materials, they can be helpful when you need deeper understanding.



Recommended 1: Experiencing MIS, Kroenke and Boyle, Pearson 7th edition, 2016  
ISBN: 978-0134319063 or 8th edition is fine too

Recommended 2: Business Process Integration with SAP ERP, Magal and Word, Epistemy Press LLC, ISBN: 978-0-9856008-2-2

Recommended 3: The self-taught programmer: the definite guide to programming professionally, Althoff, Self-taught media, ISBN: 978-0999685907

### Catalog Course Description

Survey of the principle of management information system with emphasis on Business Process Integration with SAP ERP, Data Analytics, Business intelligence with Artificial Intelligence, Organizational impact of MIS, Systems Analysis, Blockchain, and Software Development.

### Prerequisites

"C" in CIS 130 Computer Information Systems, junior standing, or permission of instructor

### Course Objectives / Learning Outcomes



- Students will be introduced to Business Process Integration utilizing Enterprise Application Systems such as ERP and CRM
- Students will be introduced to contemporary IT topics including Data Analytics, Artificial Intelligence, and Blockchain technology

**General Education Goals**

N/A

**Course Outline**

The table below gives an approximate schedule for topics and activities. The instructor reserves right to modify or amend the course schedule whenever necessary.

| <b>Week</b>        | <b>Topics</b>                      | <b>Activity Submission Due</b> | <b>Resource</b>               |
|--------------------|------------------------------------|--------------------------------|-------------------------------|
| Week 1 (1/17-19)   | Introduction and Course Overview   | 10:45 AM on Thursday           | Syllabus and Intro Video clip |
| Week 2 (1/24-26)   | Business Process and BPMN activity | 10:45 AM on Thursday           | Kroenke Ch2 and other sources |
| Week 3 (1/31- 2/1) | Relational Database                | 10:45 AM on Thursday           | Kroenke Ch5                   |
| Week 4 (2/7-9)     | Access Activity                    | 10:45 AM on Thursday           |                               |
| Week 5 (2/14-16)   | Business Intelligence and AI       | 10:45 AM on Thursday           | Kroenke Ch9.                  |
| Week 6 (2/21-23)   | Exam 1                             | 10:45 AM on Thursday           |                               |
| Week 7 (2/28-3/2)  | Introduction of Python and repl    | 10:45 AM on Thursday           | Althoff                       |
| Week 8 (3/7-9)     | Python 1: The beginning            | 10:45 AM on Thursday           | Althoff                       |
| 3/14-16            | Spring Break                       |                                |                               |



| <b>Week</b>       | <b>Topics</b>                                       | <b>Activity Submission Due</b> | <b>Resource</b>                      |
|-------------------|---|--------------------------------|--------------------------------------|
| Week 9 (3/21-23)  | Python 2: Logics and conditions                     | 10:45 AM on Thursday           | Althoff                              |
| Week 10 (3/28-30) | Python 3: Loops                                     | 10:45 AM on Thursday           | Althoff                              |
| Week 11 (4/4-6)   | Python 4: Data Visualization with Python Matplotlib | 10:45 AM on Thursday           |                                      |
| Week 12 (4/11-13) | Python 5: Big Data Analysis with Python Pandas      | 10:45 AM on Thursday           |                                      |
| Week 13 (4/18-20) | Exam 2  | 10:45 AM on Thursday           |                                      |
| Week 14 (4/25-27) | ERP and Introduction to GBI                         | 10:45 AM on Thursday           | Kroenke Ch7., SAP UA, Magal and Word |
| Week 15 (5/2-4)   | SAP Navigation                                      | 10:45 AM on Thursday           | SAP UA, Magal and Word               |
| Week 16 (5/5-8)   | Final Exam  | 4:00 PM on 5/8                 |                                      |

### **Teaching Methods**

Reading materials, video clips, case analysis, and assigned labs.

### **Canvas**

Class announcements and assignments will be posted on Canvas. Private communication with your instructor will be done through email or Canvas messaging system. **You are expected to regularly visit Canvas course homepage to keep up with ongoing class discussion and information update.**

### **Submission**

All the weekly activities need to be submitted to Canvas. **It is your responsibility to confirm if your submission file is intact. Please, check out your file after each submission (by downloading your submitted file). In case your file is corrupted/not visible/empty, you will receive zero.**



### **Attendance Policy**

Students are expected to access Canvas regularly and participate fully in the activities of the class. **The instructor will drop students with excessive absence.**

### **Late Submission Policy**

- **Late submission is not allowed in principle**
- **Inform your instructor if you encounter an emergency situation**

### **Academic Integrity**

All Pitt State students are bound by the academic integrity policies of the university as described and outlined in the current Syllabus Supplement. Please familiarize yourself with these rules and guidelines. In addition, as a course offered through the Kelce College of Business, students in this class are obligated to adhere to the college's Student Code of Ethics as outlined below. Students pledge to:

- Arrive on time, remain until dismissed at all class sessions, and notify instructors in advance of anticipated absences, late arrivals, or early departures whenever possible.
- Turn off cell phones or other electronic devices while in class, unless permission to use them has been granted.
- Refrain from class disturbances.
- Refrain from use of profane or vulgar language in a threatening or disruptive manner.
- Treat fellow students, staff, faculty, administrators, and property with respect.
- Refrain from giving or receiving inappropriate assistance.
- Prepare assignment and exams honestly, refraining from such unacceptable conduct as plagiarism or unacknowledged appropriation of another's work in any academic work.
- Obey the policies, regulations, and laws of the United States of America, the State of Kansas, The Kansas Board of Regents, Pittsburg State University, and the Gladys A. Kelce College of Business.
- If a student observes someone committing dishonesty in connection with academic work, the student is encouraged to report that dishonesty to the appropriate individual (ex, faculty member, or administrator).



**KELCE**  
**COLLEGE OF BUSINESS**  
Pittsburg State University

**Course Syllabus:**  
Management Information Systems  
CIS 420-97  
Meeting time/place: Online  
Spring 2023

### **Students with Disabilities**

Please inform the instructor if you have a learning or physical disability that interferes with course requirements. Assistance and/or appropriate accommodations may be available through the contacts listed on the current [Syllabus Supplement](#).

### **Course Evaluation Methods**

- There will be three exams; each exam is 20% of the final grade (60% in total).
- There will be weekly activities on a variety of topics; 40 % of the grade in total.
- The maximum grade scale is 90% A, 80% B, 70% C, and 60% D.

### **Note**

The instructor reserves the right to amend and to reorganize this syllabus at any time.