



Course Syllabus:

Management Information Systems
CIS 420-03

Meeting time/place: 2PM TTH at Kelce 105
Spring 2023

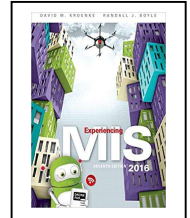
Instructor: Jae Choi, Ph.D, Professor
Hours: 12:15-2:00 PM TTR, 11:00 AM-2:00 PM W
E-mail: jchoi@pittstate.edu
Office: Kelce 223C

Course structure

- Tuesdays: Attendance is mandatory as your instructor will go over learning materials during the class meeting
- Thursdays: Work on weekly hands-on activities by yourself. Your instructor will be available at Kelce 223C during the scheduled class time (in case you need help). Just knock on my door or send me a Canvas message. Activities can be finished and submitted at Kelce 105 (your classroom/lab) or remotely
- Weekly activities will be posted on Tuesdays (at the class starting time) and due on Thursdays (by the class ending time) on Canvas

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



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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.

Week	Topics	Activity Submission Due	Resource
Week 1 (1/17-19)	Introduction and Course Overview	3:15 PM on Thursday	Syllabus and Intro Video clip
Week 2 (1/24-26)	Business Process and BPMN activity	3:15 PM on Thursday	Kroenke Ch2 and other sources
Week 3 (1/31- 2/1)	Relational Database	3:15 PM on Thursday	Kroenke Ch5
Week 4 (2/7-9)	Access Activity	3:15 PM on Thursday	
Week 5 (2/14-16)	Business Intelligence and AI	3:15 PM on Thursday	Kroenke Ch9.
Week 6 (2/21-23)	Exam 1	3:15 PM on Thursday	
Week 7 (2/28-3/2)	Introduction of Python and repl	3:15 PM on Thursday	Althoff
Week 8 (3/7-9)	Python 1: The beginning	3:15 PM on Thursday	Althoff
3/14-16	Spring Break		



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



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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).



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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.