Syllabus
LIS 636-203: Foundations of Information Technology
Fall Semester, 2019 (26 August – 20 December)
Revised: 11 August 2019

Instructor
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Office Hours
Most issues can be handled through email. I will frequently respond to emails as soon as possible, usually within 24 hours, weekdays. You may also schedule an online appointment via Zoom, or by other means.

COURSE OVERVIEW

Course Description
A study of the computing fundamentals needed for the understanding and use of information technology, which is essential to information professionals. Focus is on examining computer systems in concept and practice. Topics include how computers represent, process, store and retrieve information; how operating systems control these processes, interpret commands, present the user interface, and run applications; how databases are designed and created; and how a general understanding of programming processes and productivity software skills is important in a variety of professional contexts. Activities include work with Internet applications, web publishing, and database management systems.

Student Learning Outcomes
To introduce basic computer and IT concepts including hardware, software, operating systems, Internet protocols and HTML, database design and implementation, and IT security issues.

At the end of this course, students will:
- Have developed a conceptual and practical understanding of the computing fundamentals essential to information technology systems, including how computers represent, process, store, and retrieve information, present the user interface, run useful applications, and interact in a networked world.
- Understand the function and role of operating systems in the management of computer processes and data.
- Have developed a knowledge base regarding computer hardware and software sufficient to make informed selection decisions and perform routine troubleshooting.
- Be familiar with general programming processes and develop basic script programming skills.
- Be familiar with database systems, systems analysis and modeling techniques (ERD and DFD), and normalization and build a relational database in Microsoft Access.
- Understand markup language concepts and basic web publishing and successfully upload them to a UNIX based web server.
- Be familiar with cloud computing applications.

Course Materials

Textbook: *New Perspectives Computer Concepts 2018: Comprehensive*, Parsons (ISBN 13: 978-1305951495).

Additional Web Resources: Students may utilize various other materials are on the web as directed in each module. There is also a University of Kentucky's web-based training page at http://www.uky.edu/hr/training/technology-software-training.

Course Expectations
Each week you will be expected to:
- Log into the Canvas course homepage to access course announcements, course information, review the week's learning objectives, and communicate with your fellow classmates.
- Complete all assigned readings.
- Read and understand any additional supplementary material that may be provided from time-to-time.
- Participate in the discussion boards and any other online assignments.
- Complete and submit all assignments and quizzes by their due date.

Course Format and Schedule
This is an online, asynchronous course. The course includes online lectures (PPT slides), online discussions, exercises, quizzes, assignments (i.e. small projects), and exams. **For the purpose of this course, the week starts on Monday and ends on Sunday.** You will be expected to complete all required readings and assignments during the time frame given.

The Canvas course management system will be used to facilitate this class. Please see the "Technical Requirements" section of this syllabus to learn about this system and the login requirements. Teaching materials (syllabus, course notes, discussions, assignments, resources, etc.) will be made available in Canvas. All assignments should also be submitted via Canvas. You can check your grading status and progress in Canvas. Please visit the Canvas information pages at for more information. (See below.) For technical support, call the UKIT Service Desk at (859) 218-HELP (4357) or email helpdesk@uky.edu.

Communications
All course related communications (online discussions, queries on assignments, etc.) should occur within Canvas. Please post course-related questions on the Canvas discussion board because other students may have the same questions and receive the benefits from answers. Important announcements will be made through Canvas so it is essential that you check Canvas on a regular basis. Failure to receive such announcements cannot be used as an excuse for not being informed.

I prefer using the Canvas Inbox for email correspondence so that I can keep all course-related emails in one place; however, should it be necessary you may also email me at matthew.noe@uky.edu. **Please include the course number in brackets [LIS636] in the subject line for all messages sent to this address**. I have an email filter that routes all course-related correspondence to a special in-box. **If you do not put [LIS636] in the subject line of your email I may not get to it for several days.** In ordinary circumstances, I will respond within 24 hours on weekdays, but you can expect a delay during weekends and holidays. I am also happy to meet with students online, but you should set up the appointment in advance via email. Please note that class communication is done via your official UK email address. You must check this frequently.

ASSIGNMENTS AND GRADING

Your final grade is determined by your performance on the items below.

Description	Points
Assignment #1: Operating Systems	5
Assignment #2: Basic HTML	10
Assignment #3: Script Programming	5
Assignment #4: Databases	10
Assignment #5: Library IT Plan	15
Quizzes (12 @ 2 pts each)	24
Class Participation (1.5 pts/week)	21
Final exam	10
Total Points	100

Final grades will be calculated as follows:

A = 90 points and above (Exceptional achievement)
B = 80-89 points (Average achievement)
C = 70-79 points (Below average achievement)
E = below 70 points (Fail)

I do not assign incompletes.

Assignments

All assignments will be posted at the beginning of the semester. Please submit your assignments through Canvas. Assignments are due by 11:59 p.m. (Eastern) on the due date. Submission dates will be based on the time stamp provided by Canvas. Assignments may be turned in early, though no extra credit is received for this. I will return graded assignments to you in a timely fashion via Canvas. An overdue assignment will get a penalty of 20% of total points for each day late. No assignment or project will be accepted after five days.

Class Participation

Participation is measured by your contributions to the discussion boards. At the start of each week several discussion topics and online exercises will be posted in the discussion forum. The topics will relate to the course readings and any supplementary material assigned; online exercises are designed to give you hands-on experience using the concepts discussed.

Postings to the discussion forum can earn up to one-half point (0.5) for each posting for a maximum of one and a half (1.5) points per week. You are expected to make at least one original posting on the topic of your choice and two responses to other students' postings per week. This is the minimum requirement. Postings will be evaluated based on the substance, facts, ideas, opinions, tone, and style of your responses to the discussion board topic. **"I agree with the author" will not be deemed a credit-worthy response.**

Quizzes

There will be one quiz per week based the chapters of our textbook. Quizzes are ONLY derived from textbook chapters and include matching, multiple choice, and true-false questions. Please see the course calendar to check the specific chapters for each week's quizzes. Quizzes will be available at the

start of each week and can be taken at any time until the close of the designated week. Quizzes cannot be taken late.

Final Exam

The final exam will be posted at least one week before its due date. This will be a test to evaluate your mastery of basic information and concepts covered throughout the semester. It is worth 10% of your final grade.

COURSE POLICIES

Academic Integrity
According to Senate Regulation 6.3.1: "All academic work, written or otherwise, submitted by students to their instructors or other academic supervisors, is expected to be the result of their own thought, research, or self-expression. In cases where students feel unsure about a question of plagiarism involving their work, they are obliged to consult their instructors on the matter before submission." For specific information regarding the University's code and regulations on plagiarism and cheating, visit:

> http://www.uky.edu/StudentAffairs/Code/
> http://www.uky.edu/StudentAffairs/Code/part2.html
> http://www.uky.edu/Ombud/Plagiarism.pdf

Academic Accommodations Due to Disability
If you have a documented disability that requires academic accommodations, please contact me as soon as possible. In order to receive accommodations in this course, you must provide a Letter of Accommodation from the Disability Resource Center (Room 2, Alumni Gym, 257-2754) for coordination of campus disability services available to students with disabilities.

Classroom Behavior, Decorum, and Civility
Please be respectful to others in the class and engage in civil discourse when we discuss topics that have a diversity of perspectives. Please help me maintain the most courteous environment by using a little peer pressure if necessary.

TECHNICAL REQUIREMENTS, INFORMATION & RESOURCES

This course will be conducted asynchronously via the Canvas course management system. Please visit the links below to learn about this system and the login requirements:

> https://uk.instructure.com/courses/1096339

To have a successful educational experience in distance learning courses, there are minimum technology requirements that should be met. You can review the minimum recommendations and guidelines for your computer at:

> http://www.uky.edu/ukit/hardwareguide

The UKIT Service Desk is available to help with any computer or technical issue you encounter, 24 hours per day, seven days per week. Contact them at:

> http://www.uky.edu/its/customer-support-student-it-enablement/customer-services
> Phone: 859-218-4357
> Email: 218help@uky.edu

Library and Distance Learning Services

http://www.uky.edu/Libraries/DLLS
Carla Cantagallo, DL Librarian
Local phone number: (859) 218-1240
Long-distance phone number: (800) 828-0439 (option #6)
Email: carla@uky.edu
DL Interlibrary Loan Service: http://libraries.uky.edu/page.php?lweb_id=8&ltab_id=702

LIS 636-203 COURSE SCHEDULE, Fall 2019
(Schedule is subject to change. Changes will be posted in the Announcements.)
Revised: 11 August 2019

Week	Dates	Readings, Quizzes, and Assignments
0	**August 26 – September 1**	• Introduce yourself to the class in the discussion forum.
1	**September 2* – 8** ***Labor Day, September 2**	• Introduction • Quiz 1
2	**September 9 – 15**	• Chapter 2: Digital Devices • Quiz 2
3	**September 16 – 22**	• Chapter 6: Software • Quiz 3 • Assignment #1: Operating Systems (9/22)
4	**September 23 – 29**	• Chapter 3: Networks • Quiz 4
5	**September 30 – October 6**	• Chapter 1: Digital Content • Quiz 5
6	**October 7 – 13**	• Chapter 4: The Web • Quiz 6
7	**October 14 – 20**	• Chapter 7: Digital Security • Quiz 7 • Assignment #2: Basic HTML (10/20)
8	**October 21* – 27** ***Midterm October 21** ****Fall Break, October 21 - 22**	• Chapter 5: Social Media • Quiz 8
9	**October 28 – November 3**	• Chapter 11: Programming • Quiz 9
10	**November 4 – 10**	• Chapter 9: Information Systems • Quiz 10 • Assignment #3: Script Programming (11/10)
11	**November 11 – 17**	• Chapter 10: Databases • Quiz 11
12	**November 18 – 24**	• Chapter 8: The ICT Industry • Quiz 12 • Assignment #4: Database Exercise (11/24)

13	**November 25 – December 1**	• Thanksgiving Holiday
14	**December 2 – 8**	• Course summary & reflections
15	**December 9 – 15**	• Assignment #5: Library IT Plan (12/15)
16	**December 16 – 20**	• Final exam (no later than 12/20)