School of Computer and Information Sciences
COURSE SYLLABUS

Course Information

ITS832 - B02 InfoTech in a Global Economy
Fall 2021 Second Bi-Term
Course Format: Online
CRN: 11122

Instructor Information

Name: Dr. Jordon Shaw
Email: wendell.shaw@ucumberlands.edu
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Office Location: Virtual
Office Hours/Preferred Contact Times: Weekdays after 4PM
UC Directory URL: https://www.ucumberlands.edu/directory/dr-jordon-shaw

Course Description

This course covers theory, development and impacts of national and international policy on IT. It explores how frequent shifts in public policy require IT businesses to adjust rapidly to adhere to regulations. Students will develop sophisticated strategies to be able to adapt to the changing environment including new technologies, global transfer and analysis.

Course Objectives

Upon completion of this course:

- Students will be able to develop an understanding of public policy and how it impacts IT from a business and development standpoint

- Students will be able to demonstrate the ability to perform analyses related to

trade policy, standards, domestic and international regulatory policy, and the impacts of changes in policy on the IT structure of a business.

- Studetns wiull be able to describe an example of: (1) a public policy that had a positive impact on IT, and (2) a public policy that had a negative impact on IT

- Students will be able to discuss the current trends in the global IT arena ranging from technology, hardware, policy, software, and available services, including out-sourcing.

- Students will be able to define the activities and tools required to develop a sophisticated national and international strategy for IT.

- Students will be able to list and describe available tools to assist business organizations in the development of a competitive strategy

- Students will be able to understand how international and developing markets play an ever-changing role in IT; and integrate that understanding into an existing strategy to establish reasonable estimates of the effect of new products, services, and vendors

- Students will be able to describe an example of the effect of an emerging market on global IT competition

Learner Outcomes

- Learn how to perform research identifying and analyzing technological challenges

- Build critical thinking skills to develop and apply solutions that achieve strategic and tactical IT-business alignment

- Develop professional skills and expertise to advance knowledge in your chosen field or discipline within information technology

- Conduct research with professional and ethical integrity

- Address complex technical questions and challenge established knowledge and practices in the area

- Identify, comprehend, analyze, evaluate and synthesize research

- Communicate effectively and employ constructive professional and interpersonal skills

- Critically evaluate current research and best practices

- Demonstrate IT leadership skills at the team and enterprise levels following tenets of professional, social, and ethical responsibility

- Recommend IT strategies that support enterprise mission and objectives

Course Website

Access to the course website is required via the iLearn portal on the University of the Cumberlands website: http://www.ucumberlands.edu/ilearn/
or https://ucumberlands.blackboard.com/

Required Books and Resources

Title: Academic Writer
Website: http://ucumberlands.libguides.com/c.php?g=504168
About: This is APA's resource for APA format, style, citations, and document types (like how to write a literature review). UC has a dedicated link for students to create their Academic Writer account, and that link can be found here

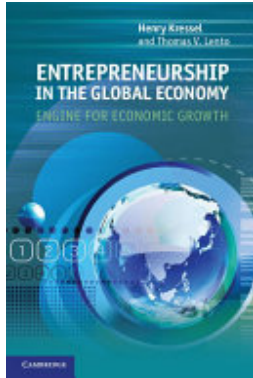**Title: Mastering Blockchain (Available in UC library)**
ISBN: 9781787125445
Authors: Imran Bashir
Publication Date: 2017-04-28
Edition: Available in UC library)

Title: Global Technology (Available in UC library)
ISBN: 9780309185059
Authors: Steve Olson, National Academy of Engineering
Publisher: National Academies Press
Publication Date: 2011-02-08

Title: Entrepreneurship in the Global Economy (Available in

UC library)
ISBN: 9781139536660
Authors: Henry Kressel, Thomas V. Lento
Publisher: Cambridge University Press
Publication Date: 2012-07-19

Title: Federal Cybersecurity (Available in UC library)
ISBN: 9781634853965
Authors: Cory Medina
Publication Date: 2016-01-01

Course Required text can be found and purchased via the UC Barnes and Noble
Bookstore: https://cumber.bncollege.com/shop/cumberlands/page/find-textbooks

Suggested Books and Resources

Writing Center
Subtitle: This website includes beginning information about the Writing Center. Look for
The Learning Commons in your class list in iLearn. Once you open The Learning
Commons "course", look for the Writing Center on the left menu bar.
Publisher: https://www.ucumberlands.edu/learningcommons/writingcenter

Writing Center
Website: https://www.ucumberlands.edu/learningcommons/writingcenter
About: This website includes beginning information about the Writing Center. Look for
The Learning Commons in your class list in iLearn. Once you open The Learning
Commons "course", look for the Writing Center on the left menu bar

Academic Writer
Subtitle: This is APA's resource for APA format, style, citations, and document types (like
how to write a literature review). UC has a dedicated link for students to create their
Academic Writer account
Publisher: http://ucumberlands.libguides.com/c.php?g=504168

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The Learning Commons (TLC)
Subtitle: The Learning Commons (TLC) is here to help you succeed in your courses, from your first day at Cumberlands through completing your degree.TLC offers a variety of academic resources both virtually and in-person that are informal and with qualified Academic Fellows. ucumberlands.libguides.com
Publisher: http://ucumberlands.libguides.com/c.php?g=504168

The Learning Commons (TLC)
Website: http://ucumberlands.libguides.com/c.php?g=504168
About: TLC is here to help you succeed in your courses, from your first day at Cumberlands through completing your degree.TLC offers a variety of academic resources both virtually and in-person that are informal and with qualified Academic Fellows.

Zotero
Subtitle: Zotero is a free, easy-to-use tool to help you collect, organize, cite, and share research
Publisher: www.zotero.org

Grammarly
Website: https://www.grammarly.com/
About: Compose bold, clear, mistake-free writing with Grammarly's AI-powered writing assistant

Grammarly
Subtitle: Compose bold, clear, mistake-free writing with Grammarly's AI-powered writing assistant
Publisher: https://www.grammarly.com/

Zotero
Website: https://www.zotero.org/
About: Zotero is a great, easy to use reference management tool, and it's free

Requirements and Policies

Academic Dishonesty Policy

As a Christian liberal arts university committed to the pursuit of truth and understanding, any act of academic dishonesty is especially distressing and cannot be tolerated. In general, academic dishonesty involves the abuse and misuse of information or people to gain an undeserved academic advantage or evaluation.

The common forms of academic dishonesty include:

1. cheating – using deception in the taking of tests or the preparation of written work, using unauthorized materials, copying another person's work with or without consent, or assisting another in such activities;
2. lying – falsifying, fabricating, or forging information in either written or spoken presentations;
3. plagiarism – using the published writings, data, interpretations, or ideas of another without proper documentation.

Episodes of academic dishonesty are reported as appropriate to the Vice President for Academic Affairs. The potential penalty for academic dishonesty includes 1) a failing grade on a particular assignment, 2) a failing grade for the entire course, 3) suspension or expulsion, or (4) revocation of a degree.

Attendance Policy

Course enrollment and participation will be monitored and verified for all students during the first two weeks of classes. Lack of participation during this time may jeopardize enrollment status. Each student is expected to meet course expectations by completing the coursework required each week. Active participation and staying abreast of the material is essential to success. Program specific attendance policies may still apply.

Study after study has linked successful academic performance with good class participation. Those who assume positions of responsibility must "show up" in order to be effective. Therefore, students are expected to actively participate in intelligent discussion of assigned topics in all areas (Discussion Board Activities, Synchronous Sessions, Forums, Shared Papers, etc.) to help process course material and/or to demonstrate understanding of course content. Point adjustments will be taken for non-participation.

Course Evaluations

The course evaluation will be open during the last two weeks of the term. To access the evaluation (during that time), visit https://uofcumberlands.campuslabs.com/eval-home/ and log-in using your UC credentials. A reminder email notification will be sent when the evaluation is available.

We value your feedback. Every evaluation is confidential and anonymous. The anonymous results of the course evaluations are not available for faculty to see until

after final grades are submitted. Your thoughtful responses guide future improvements for the course and programs.

Disability Accommodations

University of the Cumberlands accepts students with certified disabilities and provides reasonable accommodations for their certified needs in the classroom, in housing, in food service or in other areas. For accommodations to be awarded, a student must submit a completed Accommodations Application form and provide documentation of the disability to the Disability Services Coordinator (Keely Peterson, Boswell Campus Center, Student Services Office Suite, accommodations@ucumberlands.edu). When all paperwork is on file, a meeting between the student and the Coordinator will be arranged to discuss possible accommodations before accommodations are formally approved. Students must then meet with the Coordinator at the beginning of each semester before any academic accommodations can be certified for that term. Certifications for other accommodations are normally reviewed annually.

Academic Appeal

Both undergraduate and graduate students have the right to challenge a grade. If discussions with the course instructor and department chair do not lead to a satisfactory conclusion, students may file a formal written appeal with the Vice President for Academic Affairs, who will forward the appeal to the chair of the Academic Appeals Committee. This formal written appeal must be filed by the end of the 4th week of classes in the next regular term following the term in which the course in question was taken. The Academic Appeals Committee then gathers information from the student, the instructor, and any other relevant parties. The Committee will deliver its recommendation on the complaint to the Vice President for Academic Affairs. After reviewing this recommendation and concurring or amending it, the Vice President for Academic Affairs will inform the student and instructor of the disposition of the complaint no later than the last day of classes of the term in which the complaint was filed. Records of all actions regarding academic grade appeals, including their final disposition, are maintained by the Vice President for Academic Affairs and the Academic Appeals Committee. ([Undergraduate Catalog/Graduate Catalog](#))

Student Responsibilities

Students should:

- Use University of the Cumberlands email system for all academic, administrative, and co-curricular communication between faculty, staff and peers.

- Check for email and class announcements using iLearn (primary) and University of the Cumberlands webmail (secondary) daily.
- Demonstrate Cumberlands Character in and outside the classroom per the University Mission & Vision
- Ensure you have consistent required technology for the course
- Participate in courses regularly to:
  - Find announcements and updates
  - Complete assignments on time. Keep in mind that all deadlines use Eastern Standard Time (EST).
  - Engage in discussion
  - Connect with fellow students and faculty
- Present written work in an academic and professional manner.
- Take examinations on the designated dates and times. Students should make arrangements with faculty before the designated date for any needed accommodations.
- Contact faculty or student success coordinator with questions or concerns.

Students are expected to:

- Review any assigned reading material and prepare responses to homework assigned.
- Actively participate in activities, assignments, and discussions.
- Evaluate and react to each other's work in a supportive, constructive manner.
- Complete specific assignments and exams when specified and in a professional manner.
- Utilize learned technologies for class assignments.
- Connect content knowledge from core courses to practical training placement and activities.

Links to Support
UC Academic Catalog: https://www.ucumberlands.edu/academics/academic-catalog
UC Student Handbook: https://www.ucumberlands.edu/student-handbook
Academic Resources & Writing Center: www.ucumberlands.edu/learningcommons
Library: http://www.ucumberlands.edu/library/
Bookstore: https://cumber.bncollege.com/shop/cumberlands/home
About University of the Cumberlands:
https://www.ucumberlands.edu/about/presidents-welcome
Instructions for Accessing, Downloading, and Activating Office 365 Pro Plus (free for UC Students):
https://helpdesk.ucumberlands.edu/support/solutions/articles/7000045435

Course Evaluation

8 week course

- **Weekly Discussions (8 @ 20 points each) 160pts**
- **Weekly Research Papers (3 @ 100 points each) 300pts**
- **Practical Connection Assignment 100 points**
- **Midterm Research Paper 200 pts.**
- **Final Research Paper 200 points**
- **Plagiarism Pledge 40pts**

  - **Discussions 16%**
  - **Papers 30%**
  - **Practical connection 10%**
  - **Midterm paper 20%**
  - **Final paper 20%**
  - **Plagiarism pledge 4%**

Total = 1,000 points

Grading Scale

Graded work will receive a numeric score reflecting the quality of performance as given above in evaluation methods. The overall course grade will be determined

according to the following scale:

A= 90 – 100 (90% - 100%)
B= 80 – 89 (80% - 89%)
C = 70 – 79 (70% - 79%)
F $\leq$ 69 (Below 69%)

Course Schedule

Week	Readings/Topics
1 **10/18-****10/24**	Global Technology: Changes and Implications: Summary of a Forum Chapter 1: Perspectives on Global Technology Scherz, C., Hahn, J., & Ladikas, M. (2019). Technology Assessment in a Globalized Systems in Production Engineering, 27(3), 149. Retrieved from http://search.ebscohost.com/login.aspx?direct=true&AuthType=shib&db=edb&AN=138411290&site=eds-live Chapter 2: Charting a Path into the Future Lynn, L., & Salzman, H. (2007). The Real Global Technology Challenge. Change, 39 from http://search.ebscohost.com/login.aspx?direct=true&AuthType=shib&db=edsjsr&AN=edsjsr.40178051&site=eds-live **All assignments are due starting on the first Unit by Sunday night 11:59**

2 **10/25** **-** **10/31**	Mastering Blockchain Chapter 1PDF (see iLearn for document) Norberg, H. (2019). Unblocking the Bottlenecks and Making the Global Supply Ch... Blockchain Technology Can Update Global Trade. The School of Public Policy Publi... https://doi.org/10.11575/sppp.v12i0.61839 Kshetri, N. (2017). Will blockchain emerge as a tool to break the poverty chain in ... Third World Quarterly, 38(8), 1710–1732. https://doi.org/10.1080/01436597.2017... Varghese, J. J., Sharma, D., & Singh, N. K. (2019). Analysing the Impact of Blockch... India's Digital Economy. Global Journal of Enterprise Information System, 10(3), 9... https://doi.org/10.18311/gjeis/2019 Chapter 11 Blockchain Outside of Currencies PDF (see iLearn)
3 **11/1 -** **11/7**	Entrepreneurship in the Global Economy: Engine for Economic Growth Chapter 1: Government: Boss, financial partner, regulator – Entrepreneurs in mix... Datz, G. (2008). Governments as Market Players: State Innovation in the Global E... International Affairs, 62(1), 35. Retrieved from http://search.ebscohost.com/login.... direct=true&AuthType=shib&db=edsjsr&AN=edsjsr.24358143&site=eds-live Chapter 3: Electronic innovation and the government: David Sarnoff creates the F... Wai Mui YU, C. (2014). The Meaning and Role of Entrepreneurship Education for S... Global Economy. International Journal of Vocational Education & Training, 22(2), 7... http://search.ebscohost.com/login.aspx? direct=true&AuthType=shib&db=eue&AN=102004521&site=eds-live
4 **11/8 -** **11/14**	Entrepreneurship in the Global Economy : Engine for Economic Growth Chapter 5: Speeding voice and data traffic worldwide: Network microprocessors f... Rallet, A., & Torre, A. (2000). Is geographical proximity necessary in the innovatio... of global economy? GeoJournal, 49(4), 373. Retrieved from http://search.ebscoho... direct=true&AuthType=shib&db=edsjsr&AN=edsjsr.41147437&site=eds-live Chapter 7: Implementing information technology across the globe Ives, B., & Jarvenpaa, S.L. (1991). Applications of Global Information Technology: I... Management. MIS Quarterly, 15(1), 33. https://doi.org/10.2307/249433

5 11/15 - 11/21	Entrepreneurship in the Global Economy : Engine for Economic Growth Chapter 9: Kressel, H., & Lento, T. V. (2012). *Entrepreneurship in the Global Econc* *Economic Growth*. Cambridge, UK: Cambridge University Press. (Included through Study: 5G to account for 15% of global mobile industry by 2025. (2019). *EE: Evalu* *58*(4), 6. Retrieved from http://search.ebscohost.com/login.aspx? direct=true&AuthType=shib&db=a9h&AN=135592104&site=eds-live 5G Mobile Broadband Technology--America's Legal Strategy to Facilitate Its Contir Superiority of Wireless Technology. Retrieved from http://search.ebscohost.com/lo direct=true&AuthType=shib&db=buh&AN=136211903&site=eds-live Chapter 10: Kressel, H., & Lento, T. V. (2012). Entrepreneurship in the Global Ecor Economic Growth. Cambridge, UK: Cambridge University Press. (Included through Davis, M. A. (2018). Plan Strategically to Work Globally. Physician Leadership Jourr Retrieved from http://search.ebscohost.com/login.aspx? direct=true&AuthType=shib&db=f5h&AN=130201638&site=eds-live The Growth and Evolution of India's Software Industry. Retrieved from http://eds.b.ebscohost.com/eds/detail/detail?vid=7&sid=e7dcbd41-8f49-4f5d-99b b3d3a07e77b8%40pdc-v- sessmgr01&bdata=JkF1dGhUeXBlPXNoaWImc2l0ZT1lZHMtbGl2ZQ%3d%3d#AN=
6 **11/22** **-** **11/28**	Global Technology Trends: Big Data and Extreme Info Processing Arora, P. (2016). The Bottom of the Data Pyramid: Big Data and the Global South. , of Communication (Online), 1681. Retrieved from http://search.ebscohost.com/log direct=true&AuthType=shib&db=edsglr&AN=edsgcl.595027004&site=eds-live Bischof, C., & Wilfinger, D. (2019). Big Data-Enhanced Risk Management. Transac 43(2), 73–84. https://doi.org/10.21278/TOF.43206. Retrieved from http://eds.b.ebscohost.com/eds/detail/detail?vid=7&sid=5351a66e-6847-4029-8a 6d963d5c93c6%40pdc-v- sessmgr05&bdata=JkF1dGhUeXBlPXNoaWImc2l0ZT1lZHMtbGl2ZQ%3d%3d#AN= Global Technology Trends: Big Data and Extreme Info Processing

	GASTAUD MAÇADA, A. C., ALFONSO BRINKHUES, R., & DA SILVA FREITAS JUNIOR, J. Information Management Capability and Big Data Strategy Implementation. RAE: Administração de Empresas, 59(6), 379–388. https://doi.org/10.1590/S0034-7590 BARIKA, M. et al. Orchestrating Big Data Analysis Workflows in the Cloud: Resear Survey, and Future Directions. ACM Computing Surveys, [s. l.], v. 52, n. 5, p. 1–41 10.1145/3332301. Disponível em: http://search.ebscohost.com/login.aspx?direct=true&AuthType=shib&db=buh&AN=138804337&site=eds-live..
7 **11/29** **- 12/5**	Policy practice and digital science: Integrating complex systems, social simulatior administration in policy research. Federal Cybersecurity: Strategy and Implementation for Research and Developme Federal Cybersecurity Research and Development Li, J. (2017). Educational Policy Development in China for the 21st Century: Ratior in a Globalizing Age. Chinese Education & Society, 50(3), 133–141. Retrieved fron http://search.ebscohost.com/login.aspx?direct=true&AuthType=shib&db=eric&AN=EJ1159585&site=eds-live KOZLOV, A.; NOGA, N. The Method of Assessing the Level of Compliance of Divisic Network for the Corporate Information Security Policy Indicators. 2019 Twelfth Int Conference "Management of large-scale system development" (MLSD), "Manager system development" (MLSD), 2019 Twelfth International Conference, [s. l.], p. 1– 10.1109/MLSD.2019.8911052. http://search.ebscohost.com/login.aspx?direct=true&AuthType=shib&db=edseee&AN=edseee.8911052&site=eds-live.. STOYKOV, S.; DIMITROVA, S.; MARINOV, R. The Development of Educational Capac Resources in the Field of Security - Main Priority of National Security. 2019 Interna Creative Business for Smart and Sustainable Growth (CREBUS), Creative Business Sustainable Growth (CREBUS),2019 International Conference on, [s. l.], p. 1–5, 20 10.1109/CREBUS.2019.8840062. http://search.ebscohost.com/login.aspx?direct=true&AuthType=shib&db=edseee&AN=edseee.8840062&site=eds-live.. KUHN, M. L. 147 Million Social Security Numbers for Sale: Developing Data Protec Mass Cybersecurity Breaches. Iowa Law Review, [s. l.], v. 104, n. 1, p. 417–445, 2 http://search.ebscohost.com/login.aspx?direct=true&AuthType=shib&db=a9h&AN=133413551&site=eds-live.
Week 8 12/6 - 12/10	Federal Cybersecurity: Strategy and Implementation for Research and Developme Chapter 2: Trustworthy Cyberspace: Strategic Plan for the Federal Cybersecurity F Development Programs.

Shaverdian, P. (2019). Start With Trust: Utilizing Blockchain to Resolve the Third-Pa
Problem. *UCLA Law Review*, *66*(5), 1242–1288. Retrieved from
http://search.ebscohost.com/login.aspx?
direct=true&AuthType=shib&db=a9h&AN=139877910&site=eds-live

CHATFIELD, A. T. *et al.* Crowdsourced cybersecurity innovation: The case of the Pe
vulnerability reward program. Information Polity: The International Journal of Gove
Democracy in the Information Age, *[s. l.]*, v. 23, n. 2, p. 177–194, 2018. DOI 10.32
http://search.ebscohost.com/login.aspx?
direct=true&AuthType=shib&db=eue&AN=130475517&site=eds-live.

SHORT WEEK

All assignments must be completed by 12/9 11:59pm EST

Last day of the term (final grades submitted) by 12:10 11:59pm EST

Syllabus Disclaimer

This syllabus contains important information critical to your success in this course. It includes guidelines for this course and the instructor's current expectations about content, schedule, and requirements necessary for each student to achieve the best educational results. While you must review and become familiar with the contents of this syllabus, the instructor reserves the right to make adjustments or change in the syllabus from time to time. Any changes to the syllabus will be discussed with the students.