

# Information Systems Courses: Summer 2024

**ISYS664501**

**Data Visualization**

**Karpovsky, Anna**

**Summer 2024**

This course covers foundations of data visualization and best practices to help students effectively analyze data and present their insights clearly in a way that will engage their audience. The course provides discussions and presentations on topics such as visual perception, the various chart types and when to use them, the effective use of colors, typography, maps, and other visualization techniques for incorporating analytics and storytelling, and teaches through many examples of compare and contrast. The conceptual discussions will be integrated with hands-on experience using Tableau.STEM-designated.

**Credits:** 3

**Room and Schedule:** On-line Asynchronous

**Satisfies Core Requirement:** None

**Prerequisites:** None

**Corequisites:** None

**Cross-listed with:** None

**Frequency:** Every Spring

**Student Level:** Both

**Comments:** None

**Status:** Offered

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**ISYS770001**

**Data Analytics 2: Data Management for Analytics**

**Evenchik, Leonard N**

**Summer 2024**

Information Technology (IT) and Data Analytics now permeate the strategy, structure, and operations of modern enterprises, and new business practices have led to an orders of magnitude increase in the amount of data available for analysis and decision-making. It is essential that managers develop a deep understanding of how data can be structured, captured, and queried in order to support operations, decision-making, and strategic insight. At the same time, managers must become fluent with IT so that they can promote innovative strategic initiatives that are increasingly data and IT dependent. In this course, students will develop an understanding of IT theory and practice, study key emerging technologies, and develop their ability to identify new opportunities made possible by IT. This course will also provide students with a deep understanding of data and analytics by exploring how business processes are analyzed, data is modeled (using entity relationship diagrams), databases are designed, and data is queried using SQL. This combination of theory and practice will allow students to develop their ability to identify and take advantage of the new opportunities now made possible by data analytics and Information Technology. The on-campus section of this course (ISYS7700) will meet weekly on campus. Please note that the online asynchronous section of this course will also include two or three synchronous web conferences during the semester. Please review the course syllabus for the schedule for these web conferences, or contact the instructor. STEM-designated

**Credits:** 3

**Room and Schedule:** On-line Asynchronous

**Satisfies Core Requirement:** None

**Prerequisites:** None

**Corequisites:** None

**Cross-listed with:** None

**Frequency:** Every Fall, Every Spring

**Student Level:** Graduate

**Comments:** None

**Status:** Offered

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**ISYS770501**

**Data Analytics 3: In Practice**

**Beebe, Jonathan R**

**Summer 2024**

Modern information systems now generate massive volumes of data. Organizations everywhere struggle to aggregate, analyze, and monetize the growing deluge of data. Business Analytics capitalizes on this data by combining statistical and quantitative analysis, explanatory and predictive modeling, and fact-based management. Managers can explore patterns, predict future trends and develop proactive, knowledge-driven decisions that affect all parts of modern organizations. This course provides students with a pragmatic familiarity with the capabilities and limitations of emerging analytics techniques, an introduction to Python, an overview of methods and tools, and a core understanding required to be an intelligent manager, designer, and consumer of analytics models.STEM-designated

**Credits:** 3

**Room and Schedule:** On-line Asynchronous

**Satisfies Core Requirement:** None

**Prerequisites:** BZAN7706 and BZAN7703

**Corequisites:** None

**Cross-listed with:** None

**Frequency:** Every Fall, Every Spring

**Student Level:** Graduate

**Comments:** None

**Status:** Offered

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## Information Systems Courses: Fall 2024

**ISYS320601**

**TechTrek**

**Doyle, Jeremiah T**

**Fall 2024**

The TechTrek course is a 1-credit professional development course that introduces students to the entrepreneurial mindset and is open to and intended for undergrads enrolled in any undergraduate program at BC (e.g. CSOM, MCAS, LSOE). An entrepreneurial mindset is a critical component for new ventures, innovation within large companies, starting social initiatives, and developing a rewarding and impactful career in an ever-changing world. The course combines 4 traditional classroom lectures with a series of meetings with entrepreneurs, venture capitalists, and other executives throughout the semester. In the past year, students have met with senior leaders at companies like Google, Facebook, Airbnb, Uber, Salesforce, Goldman Sachs, Tesla, Dropbox, Fanatics, Twitter, numerous venture capital firms, and startups of all shapes and sizes. Course work and visits have an entrepreneurial focus, covering topics such as venture capital, entrepreneurial management, social media and platform strategies, and the social/ ethical implications of digital technologies. We spend class time reflecting on our visits with entrepreneurs, discussing what implications the visit has for our understanding of business strategy and our own careers. The class is intended to help students identify and explore their own interests and what these interests mean for their career trajectory. This class is required for students from the class of 2025 and forward who wish to co-concentrate in Entrepreneurship.

**Credits:** 1

**Room and Schedule:** Stokes Hall 195S W 03:00PM-05:15PM

**Satisfies Core Requirement:** None

**Prerequisites:** None

**Corequisites:** None

**Cross-listed with:** MGMT3206

**Frequency:** Every Fall

**Student Level:** Undergraduate

**Comments:** None

**Status:** Offered

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**ISYS331501**

**Managing Digital Innovation**

**Fichman, Robert**

**Fall 2024**

The steady march of Moore's Law has accelerated the introduction of new products, processes, and business models enabled by digital technology. These digital innovations are transforming how we live and work, how companies compete, and the structure of entire industries. This course will provide students with the concepts and frameworks they will need to: (1) understand the nature of digital innovations and the factors affecting their emergence and diffusion, (2) identify and evaluate digital innovation opportunities (and threats), (3) manage the digital innovation process in organizations, and (4) evaluate the effects of digital innovation on business and society.

**Credits:** 3

**Room and Schedule:** Fulton Hall 260 TuTh 03:00PM-04:15PM

**Satisfies Core Requirement:** None

**Prerequisites:** None

**Corequisites:** None

**Cross-listed with:** MGMT3315

**Frequency:** Every Fall

**Student Level:** Undergraduate

**Comments:** None

**Status:** Offered

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## Information Systems Courses: Spring 2025

No records found