Syllabus
Information Systems (BACS 300) – Summer 2019

This page contains the syllabus for Information Systems for Summer 2019. "The course syllabus contains important information regarding course requirements and the grading system utilized. It is the responsibility of the students to read the syllabus and consult the instructor if they have questions." (from UNC Undergraduate Catalog)

Course: BACS 300 203 - Information Systems, Summer 2019 – 3 credits

Class location: Room PT in the building of Via Università 1. https://maps.google.com/?cid=4238448045649586266

Class meeting times: June 10, 2019 to June 27, 2019 (three weeks), Monday to Thursday 9:00am – 12:30pm

Instructor: Mehrgan Mostowfi, Ph.D. (mer-gone mos-tow-fee)

Department: Accounting and CIS, Monfort College of Business

Email: mehrgan.mostowfi@unco.edu

Catalog course description: Topics include information systems technology, strategic uses of information, software, hardware concepts, networking and internet and e-commerce.


Additional readings will be assigned in the form of parts of other textbooks, articles and online pages.

Use of Computer: Each student needs to bring their own laptop to class and make sure they have Microsoft Excel installed and running on it. Note that outlets in Italy are 220v two (or three) round-prong sockets. While your laptop charger is likely compatible with the voltage (but read the label to make sure), you need to bring your own American flat-pronged plug to round-prong socket adapter to be able to plug in and charge.

Prerequisites: BACS 101 or CS 101. Business majors/minors and Software Engineering majors only. Juniors or above.

Course Objectives:

- Concepts, purposes design, and development of information systems in organizations.
- Strategic applications of databases and information systems for decision making.
- The requirements of an information system; for example, security, integrity, reliability, and flexibility.
- Deployment of networks, Internet, and e-commerce technologies in meeting corporate information goals.
- Technology required to implement networks, hardware, and Internet or e-commerce applications in the modern organization.
- Global and multinational issues which must be addressed in developing and utilizing information systems.

MCB Assurance of Learning Goals and Objectives:

<table>
<thead>
<tr>
<th>Learning Goal</th>
<th>Learning Objective</th>
<th>Course Coverage</th>
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<tbody>
<tr>
<td>Be knowledgeable of key concepts in core business</td>
<td>Students will demonstrate a firm understanding of core business concepts.</td>
<td>Objectives 1, 2, 3</td>
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<tr>
<td>curriculum</td>
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<td>Be effective communicators</td>
<td>Students will prepare and deliver quality presentations on a business topic.</td>
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<td>Students will prepare quality business documents.</td>
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<td>Demonstrate conceptual and analytical skills</td>
<td>Students will analyze data &amp; information to identify key problems, generate and evaluate appropriate alternatives, and propose a feasible alternative.</td>
<td>Objective 1, 2</td>
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<tr>
<td>Be proficient with technology</td>
<td>Students will demonstrate proficiency in common business software packages.</td>
<td>Objectives 1, 3</td>
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<tr>
<td>Demonstrate ethical awareness</td>
<td>Students will be knowledgeable about ethics and social responsibility. Students will identify the ethical issue or problem, analyze the consequences for various stakeholders, and develop an acceptable resolution.</td>
<td>Objective 4</td>
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<tr>
<td>Be proficient with discipline-specific knowledge</td>
<td>Students will demonstrate a firm understanding of discipline-specific knowledge within their emphasis. Students will demonstrate competency with advanced topics within their emphasis.</td>
<td>Objectives 1, 2, 3, 4, 5</td>
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**Course topics:** This course will cover the following topics:

- **Week 1, Monday, June 10:**
  - The Value of Information
  - Review of Spreadsheets, Elementary Functions
- **Week 1, Tuesday, June 11:**
  - Introduction to Information Systems
  - Essential Excel Functions: Constants, Operators, and References
- **Week 1, Wednesday, June 12:**
  - Evaluating Information
  - Essential Excel Functions: Constants, Operators, and References
- **Week 1, Thursday, June 13:**
  - Evaluating Information
  - Financial Functions and Goal Seek
- **Week 2, Monday, June 17:**
  - Gaining Strategic Value from Information
  - Case Study: Payback Period
- **Week 2, Tuesday, June 18:**
  - Case Study:
  - Gaining Strategic Value from Information
  - Payback Period, Mid-term Exam
- **Week 2, Wednesday, June 19:**
  - Storing and Organizing Information
  - Case Study: Payback Period
- **Week 2, Thursday, June 20:**
  - Storing and Organizing Information
  - Optimization with Solver
- **Week 3, Monday, June 24:**
  - Analyzing Information for Business Decision Making
  - Optimization with Solver, CSV Data Import
- **Week 3, Tuesday, June 24:**
  - Analyzing Information for Business Decision Making
  - Conditional Formatting, Pivot Tables and Charts
- **Week 3, Wednesday, June 24:**
  - Transmitting Information
  - Pivot Tables and Charts
- **Week 3, Thursday, June 24:**
  - Transmitting Information
  - Wrap-up and review, Final Exam
Grading: Students will earn a grade based on assignments, exams, and a comprehensive final exam. The breakdown is:

- Assignments: 25% (given after completing each major topic)
- Mid-term Exam: 35% (take-home)
- Comprehensive final exam: 40% (held in class on Thursday, June 24, open book and notes)

The grading scale is "no worse than":

- A = 90.00% through 100% and above
- B = 80.00% through 89.99%
- C = 70.00% through 79.99%
- D = 60.00% through 69.99%
- F = Less than 59.99%

Course policies:

- I expect you to make sure your UNCO email works and check your email regularly. Email will be the main means of communication between you and me. Not having checked your email will not be accepted as an excuse for missing due dates and other important information.
- If you must submit work late you need to talk to me at least one-week before the due date in question. Otherwise, late work cannot be accepted except in cases of verifiable emergencies.
- Attending class is mandatory and very important. I may choose to track attendance.
- Incomplete ("I") grades will only be given in the case of severe hardship including verifiable medical emergencies or legal troubles. Simply being "overloaded" and unable to complete your work is not grounds for an "I" grade.


- Assessment Statement
- Classroom Technology Guidelines
- Computer Utilization
- Ethical Dimension Coverage
- Food and Beverage Guideline
- Global Dimension Coverage
- Library Utilization
- MCB Statement
- Monfort College of Business Student Code of Professional Conduct
- Students with Disabilities

Last Update: May 23, 2019

Every part of this syllabus is subject to adjustment as the semester progresses.