Master of Science
Information Technology and Administrative Management

General Course Syllabus

IT 682	Enterprise Analytics	4 Credits

Course Description

This course covers the application of data-oriented analysis techniques for business intelligence and organizational decision-making. Students will examine a range of tools to enhance the managerial decision making process such as pivot tables, descriptive statistics, statistical process control for business process improvement, and data models to predict future trends.

Co- or prerequisite: ADMG 501 and ADMG 545

Learner Outcomes

Demonstrate an understanding of fundamental statistical terms and concepts.

Identify and apply proper statistical techniques.

Use descriptive measures and tools to describe and summarize sample and population data.

Properly apply probability distributions and theory to decision-making.

Assessments

Complete examinations, and assignments to demonstrate understanding of concepts.

Complete examinations, case studies and assignments to demonstrate understanding of concepts.

Complete examinations and assignments to demonstrate understanding of concepts.

Complete case studies to demonstrate understanding of concepts.

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Properly apply and explain correlation analysis in decision-making	Complete examinations and case studies to demonstrate understanding of concepts.
Properly apply and explain regression analysis in decision-making	Complete examinations and case studies to demonstrate understanding of concepts.

Specific course faculty and materials vary by quarter. Current information can be found on MyCWU and Canvas LMS.

ITAM classes are often offered in online, hybrid, or traditional formats. Visit my.cwu.edu for complete details.

University Policy on Academic Integrity

Academic Integrity is a standard set for this course. Students are expected to complete all of their coursework and assignments using their original words and ideas and will properly cite the words and ideas of others. Students are also expected to be honest in their interactions with the instructor. A student found to have not upheld these expectations is subject to failing this course and shall be subject to disciplinary action or sanction. WAC 106-125-020 defines the term "academic dishonesty" in all its forms including cheating, plagiarism, and fabrication. This can include:

- cheating on tests;
- copying from another student's test paper;
- using materials during a test not authorized by the person giving the test;
- collaboration with any other person during a test without authority;
- knowingly obtaining, using, buying, selling, transporting, or soliciting in whole or in part the contents of an un-administered test or information about an un-administered test;
- bribing any other person to obtain an un-administered test or information about an un-administered test; substitution for another student or permitting any other person to substitute for oneself to take a test;
- plagiarism, which shall mean the appropriation of any other person's work and the unacknowledged incorporation of that work in one's own work offered for credit;
- collusion, which shall mean the unauthorized collaboration with any other person in preparing work offered for credit.

University Policy on Special Needs

Central Washington University is committed to creating a learning environment that meets the needs of its diverse student body. If you anticipate or experience any obstacles to learning, contact Disability Services to discuss a range of available options. Student Disability Services is located in Hogue 126. Call 509.963.2214 or email ds@cwu.edu for more information. www.cwu.edu/disability-support

CWU Writing Center

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Central Washington University is a community of scholars and writers who are supported by the University Writing Center. Peer consultants guide students of all disciplines and all levels toward communication that will be effective in a global and diverse environment. http://www.cwu.edu/learning-commons/university-writing-center

Diversity at CWU

CWU expects every member of the university community to contribute to an inclusive and respectful culture for all in its classrooms, work environments, and at campus events.

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