Master of Science
Information Technology Management

General Course Syllabus

| IT 684 | Approaches to Data Mining for IT Managers | 4 Credits |

Course Description

This course surveys a variety of data mining techniques used in the information technology field.

Co- or prerequisite: ADMG 501 or admission to an IT Management Department Graduate Certificate Program.

Learner Outcomes	Assessments
Evaluate a variety of data mining techniques used in the information technology field.	Class assignment graded by instructor using a rubric.
Evaluate models and algorithms in relation to data mining techniques.	Class assignment graded by instructor using a rubric.
Determine the value of data mining in solving problems related to an organization's strategy and/or operations.	Class project graded by both instructor and peer feedback using a rubric.
Apply algorithms to the process of data mining.	Class assignment graded by instructor using a rubric.

Information Technology Management
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Assess the role of machine learning in data mining	Graded exam.
Evaluate visualization techniques used in data mining in terms of their ability to support decision-making.	Class project graded by both instructor and peer feedback using a rubric.

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

IT Management 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 Bouillon Hall 205. Call 509.963.2214 or email ds@cwu.edu for more information. www.cwu.edu/student-life/student-support/disability-services/

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. www.cwu.edu/academics/academic-resources/learning-commons/tutoring/university-writing-center.php

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.