Master of Science
Information Technology Management

IT 632	Sustainable IT	4 Credits

Course Description

Explores ways that green IT can help an organization reduce its carbon footprint, utilize environmentally friendly materials, and accomplish effective reuse/recycling. How to use IT in a way that maximizes positive environmental benefits and minimizes negative impacts.

Co- or prerequisite: ADMG 501

Learner Outcomes

Demonstrate comprehension of green IT basic concepts: history, definitions, measurements, standards, tools, technologies, materials, and operations.

Apply a repeatable, accepted process to assess the carbon footprint of an organization's IT operations

Assess the comparative impact of materials used in the design, manufacture and reuse/recycling of IT equipment

Develop a strategy to reduce the environmental impact of IT operations, taking into account power distribution, displays, processing units, cooling, thin clients, blade servers, virtualization, and cloud computing.

Assessments

The student will complete examinations, case studies and assignments to demonstrate comprehension of concepts.

Complete examinations and an applied case study to demonstrate comprehension and application of concepts.

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Develop a strategy to reduce the environmental impact of other organizational operations as part of deploying effective IT, taking into account telecommuting, recycling, green buildings, and organization processes.

Complete examinations, assignments and an applied case study to demonstrate comprehension and application of concepts.

Achieve sufficient preparation to obtain internationally recognized Green IT certification.

Complete examinations. The student may additionally sit for the CompTIA Green IT examination at own expense.

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.

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